

User Manual

Document Version

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Abbreviations

PI Patient Innovation

Chapter 1

Presentation

The Patient Innovation (PI) platform was launched online in February 2014 and is a social network (international, multilingual and non-profit) that aims to facilitate the sharing of innovative solutions developed by patients, caregivers and collaborators of any disease. The premise of this initiative is that in each patient and caregiver there is a significant innovative potential. In fact, we have found that patients and caregivers often develop very innovative solutions when dealing with the daily challenges of their pathologies. These innovations often end up "lost" and do not benefit other patients. The solutions can be new or modified devices or aids, strategies, behaviors, treatments, adaptations or low-cost alternatives to existing solutions. The solutions may be fully or partially developed, or still just an idea.

There are two biggest advantages of this platform compared to other health-related websites. The first is its network effect: the more patients, caregivers and/or collaborators that share their solutions, more information will be available to those who are looking for answers for their problems and the higher the potential value of each solution proposed is. The second is the safety character of the content shared or all the innovations shared online are previously analysed by PI's medical team. The screening process aims to identify and remove posts that are considered offensive or inappropriate, for commercial trade, that do not qualify as a solution proposal, that involve drugs, chemicals or biologics, that consist of non-approved

invasive devices, or that are visibly and intrinsically dangerous. The platform and its promoters do not scientifically or in any other way test and validate the proposed solutions.

1.1 Important concepts

Classify the post as a solution or a forum topic:

- A **solution** is a product, combination of products, services, or a mix of products and services that a patient, caregiver or collaborator develops to address a specific need. Solutions that involve drugs, chemicals or biologics that consist of invasive devices are not accepted.
- A **forum topic** is a type of post through which users can start their discussions about any topic related to health. The forum topic needs to be approved by the medical team before it becomes public.

Tags: list of keywords assigned by the PI team to the posts published on the platform that ensure correct indexing and help showcase the solution to interested groups. This in turn will increase the chances of the solution being found on the PI's platform search tool and online search motors. The labels are organized in 6 categories:

- Condition check what other conditions could benefit from the solution described (e.g. the solution of suspending balloons with different heights to stimulate kids with Angelman syndrome can be also applied as a stimulus to kids with autism).
- **Symptom** identify the symptom perceived by the patient. Symptoms are common to many diseases, and there are solutions to overcome specific symptoms, which can be used by patients with different conditions (e.g. stress, back pain).

- Activity there are several solutions developed to improve an activity performance (e.g. several diseases have a direct consequence on walking and each patient develops his/her own solution to overcome this consequence. However, all those solutions have one activity in common: walking).
- Location several solutions, despite their usage purpose, can be associated to a specific part/organ of the body (e.g. arm).
- **Device** several devices can be grouped in sets that share some commonalities and that describe the type of solution provided (e.g. crutches, 3D printed, DIY, Software).

Innovator's relation with the need, the innovator can be classified as:

- Patient The innovator is a person who is under health care or treatment or has a disability (impairment, activity limitation, and/or participation restriction) and he/she developed a solution in order to overcome his/her own health need.
- Caregiver The innovator is a caregiver who must not be a professional or paid caregiver and he/she developed a solution in order to overcome a health problem of a relative (spouse, partner, friend).
- Collaborator The innovator is a collaborator who helped or was asked to help a patient and/or caregiver on the development of a solution to cope with a patient's need. The collaboration in the development process cannot be based of financial benefits or self-interests in the result obtained, irrespective of their profession.

1.2 Users

There are 3 types of users, that do not belong to the PI team or neither are volunteers:

- Visit User a user that accesses PI platform, but he/she does not have a registered account.
- Innovator users those who created a solution to cope with a health condition or disorder. Innovator users can be either a Patient; a Caregiver; or a Collaborator.
- Active users those who did not create any solution to cope with a health condition but are possible adopters of the solutions shared. They interact with the innovator user giving feedback about the solution's performance.

Chapter 2

Screens of the platform

There are features available in the **Header** and **Footer**, which are present on all pages of the site:

- **Header** (Figure 2.1):
 - Post a solution
 - Search a solution
 - Login/Register (User is not logged in)/ Profile (User is logged in)
 - Menu
 - Idiom list



FIGURE 2.1: Header

- Footer (Figure 2.2):
 - Logos
 - Newsletter
 - Terms of Service

- Privacy Police

- Contacts - Facebook - Twitter - Youtube - Orange Bird Health FUNDAÇÃO CALOUSTE GULBENKIAN Carnegie Mellon Portugal MORAIS LEITÃO Newsletter Terms of Service Privacy Policy Contacts Copyright © 2020 Patient Innovation. Powered by Orange Bird

Figure 2.2: Footer

The content of the **Body**, depends on the option selected in the Header or Footer:

- Home
- About PI
- How it works
- Who we are

- PI Awards
- Bootcamp (temporarily)
- Beyond the lab
- FAQs
- In the media

The site is available in 4 languages (Portuguese, English, German and Mandarin). However in the Mandarin version only the PI Awards page is translated.

In the following figures are the platform's sitemap (figure 2.3, 2.4, 2.5 and 2.6).

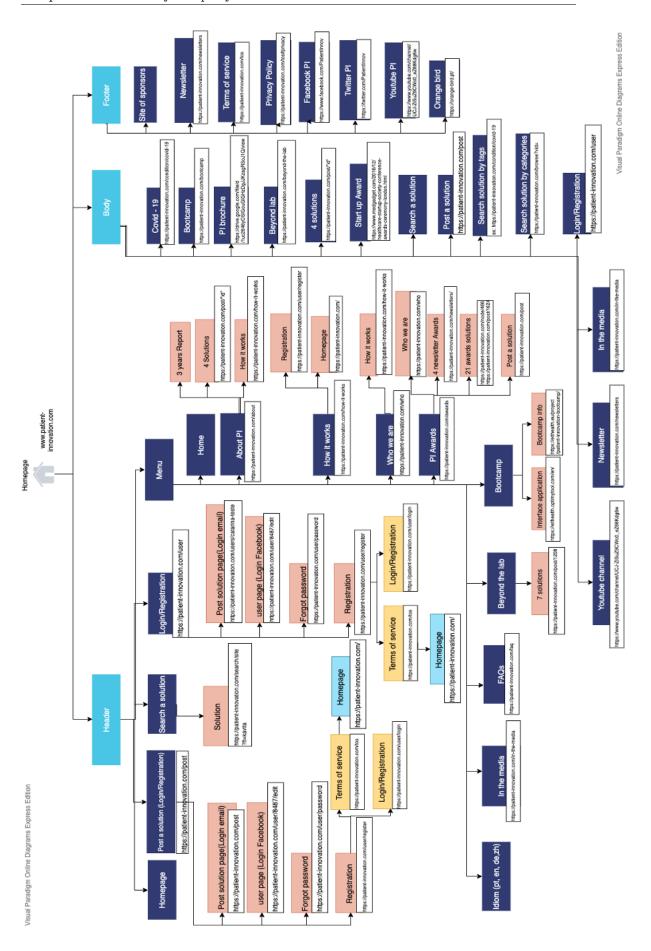


FIGURE 2.3: Sitemap of a user without session open (part1)

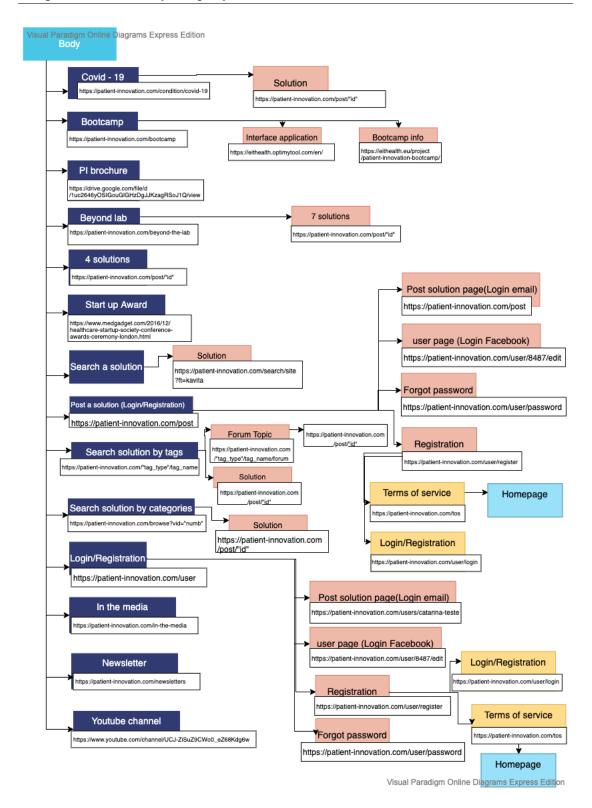


FIGURE 2.4: Sitemap of a user without session open (part2)

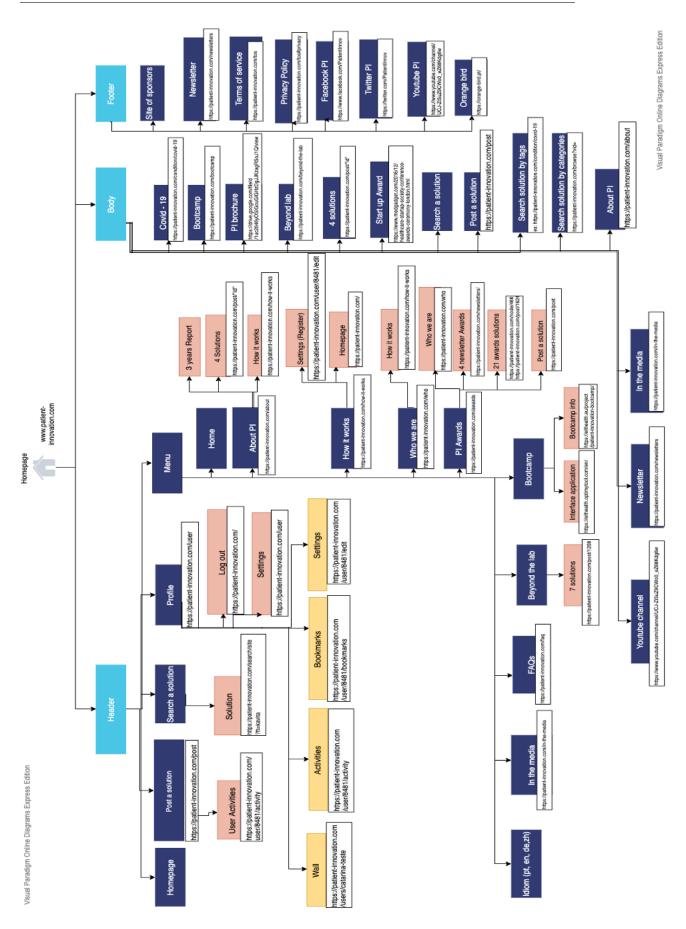


Figure 2.5: Sitemap of a user with session open (part1) $10\,$

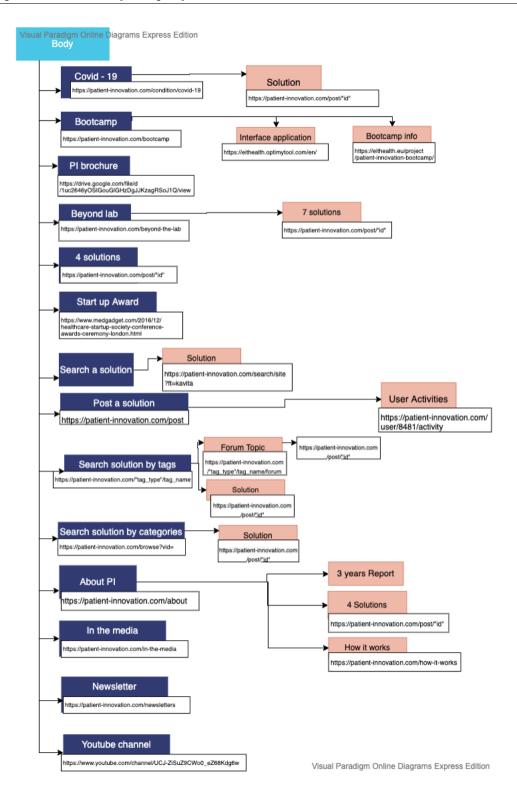


FIGURE 2.6: Sitemap of a user with session open (part2)

2.1 Registration page

2.1.1 Access to the page

Please note that the description of this operation is written from a user's perspective.

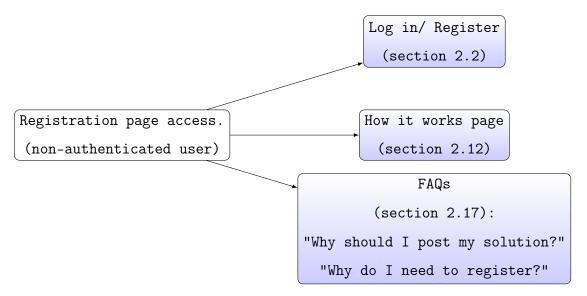


Figure 2.7: Registration page access

URL: https://patient-innovation.com/user/register

2.1.2 Page description

This page allows the user to register on the platform through his/her Facebook account or e-mail address.

The registration process allows the user to post solutions on the platform and comment the solutions available.

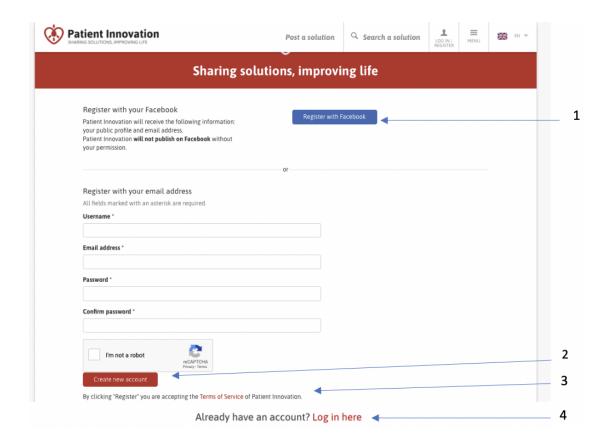


FIGURE 2.8: Registration page

Table 2.1: Features from Registration page (Figure - 2.8).

Name	Type	Description
1. Register with Facebook	Button	To register with Facebook account.
2. Create new account	Button	To create an account after filling the fields above the button.
3. Terms of Service	Hyperlink	Redirects the user to the Terms of Service page (section 2.21).
4. Login in here	Hyperlink	Redirects the user to the Login page (section 2.2).

To find out how the **registration process** is done, go to the section 3.1.

2.2 Log in page

2.2.1 Access to the page

Please note that the description of this operation is written from a user's perspective.

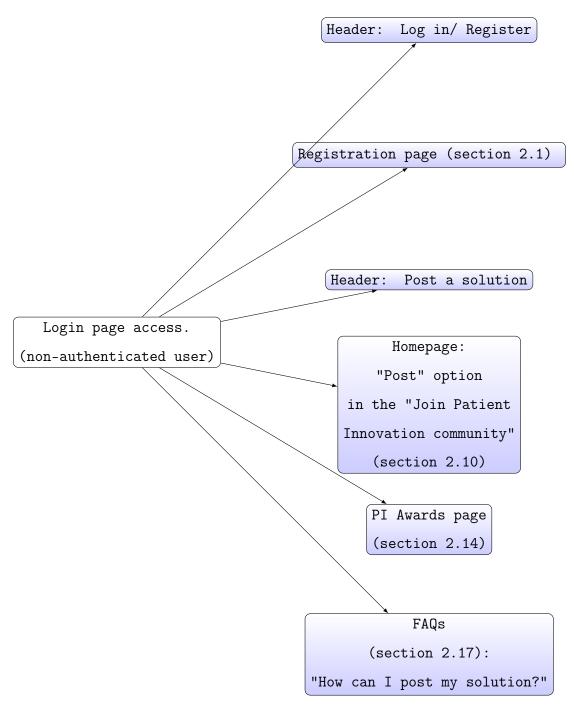


FIGURE 2.9: Login page access

URL: https://patient-innovation.com/user

2.2.2 Page description

This page allows the user to log in through his/her Facebook or e-mail address, depending on the data provided in the registration process.

After log in, the user can post solutions on the platform and comment the solutions available (these features are not available for visit or non-autheticated users).

The user has two pages available for the procedure (Figure 2.10 or 2.11).

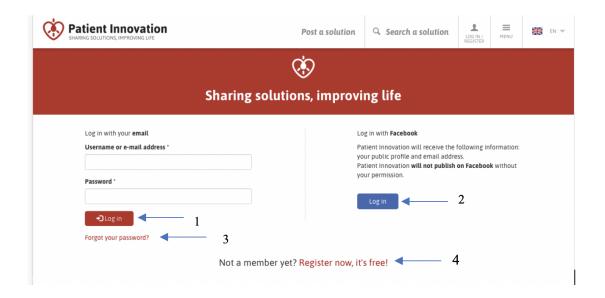


FIGURE 2.10: Log in page by clicking on "Log in/Register"

Table 2.2: Features from Log in page (Figure - 2.10).

Name	Туре	Description
1. Log in	Button	Log in with username/e-mail and password,
	Dutton	if the user registered with the email account.
2. Log in	Button	Log in if the user registered with the Facebook account.
3. Forgot your password?	Hyperlink	Redirects to the Recovering Password page (section (2.3).
4. Register now, it's free!	Hyperlink	Redirects the user to the Registration page (section (2.1).

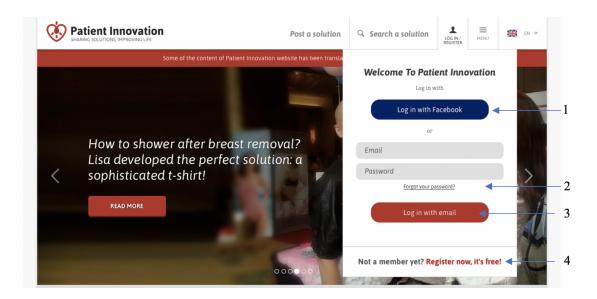


FIGURE 2.11: Login page by passing the mouse on "Login/Register" icon

Table 2.3: Features from Login page (Figure - 2.11).

Name	Type	Description
1. Log in with Facebook (blue button)	Button	Log in if the user has registered with the Facebook account.
2. Forgot your password?	Hyperlink	Redirects to the Recovering Password page (section 2.3).
3. Log in with email (red button)	Button	Log in if the user has registered with the email account.
4. Register now, it's free!	Hyperlink	Redirects the user to the Registration page (section 2.1).

To find out how the **Log in process** is done, go to the section 3.2.

2.3 Recovering password page

2.3.1 Access to the page

Please note that the description of this operation is written from a user's perspective.

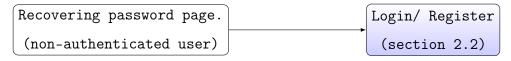


Figure 2.12: Recovering password page access

URL: https://patient-innovation.com/user/password

2.3.2 Page description

This page allows the user to redefine a new password.

The user only needs to insert his/her username or e-mail address and an e-mail from PI is sent to the e-mail associated with the user's account (if the registration was done with the Facebook, an e-mail will be sent to the e-mail account associated with his/her Facebook account).

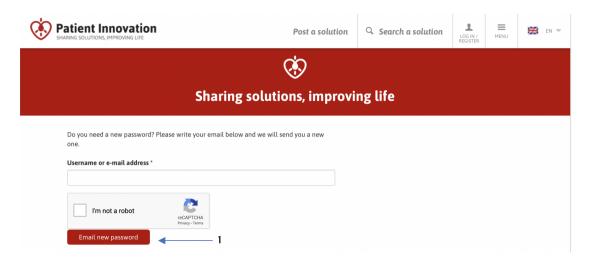


FIGURE 2.13: Redefine password page

Table 2.4: Features from Redefine password page (Figure - 2.13).

Name	Type	Description
1. Email new password	Button	An email to redefine the password will be sent
		to the email account of the user.

To find out how the **Recovering password process** is done, go to the section 3.3.

2.4 User Profile page

2.4.1 Access to the page

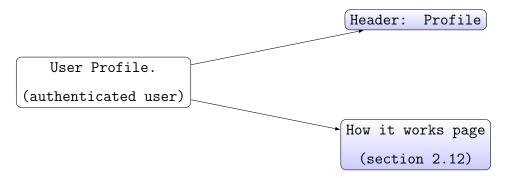


FIGURE 2.14: User profile page access

URL: https://patient-innovation.com/user

2.4.2 Page description

The Profile section is divided in 4 menus related to the user activity and account settings:

• Wall: information about how long the user is a member of PI; number of solutions submited; number of comments. If the user has added bookmarks (Tags that the user added to his/her collection), it will appear solutions related to the bookmarks added (Figure 2.15).

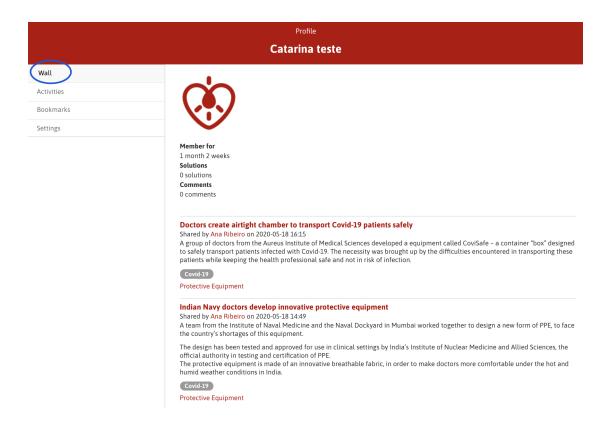


Figure 2.15: Profile page - Wall

• Activities: Solutions posted by the user and their state: published or not published. (Figure 2.16).



Figure 2.16: Profile page - Activities

• Bookmarks: Tags that the user added to his/her bookmarks list. This procedure customize the solutions suggested to the user (on the Wall). In this menu the user can also remove the bookmarks added by clicking on the "Unfollow group" button (Figure 2.17).



Figure 2.17: Profile page - Bookmarks

• Settings: the user can edit the username, e-mail, password, profile picture, Notifications settings, Language settings (predefine idiom for the platform) and Locale settings (user time zone) (Figure 2.18).

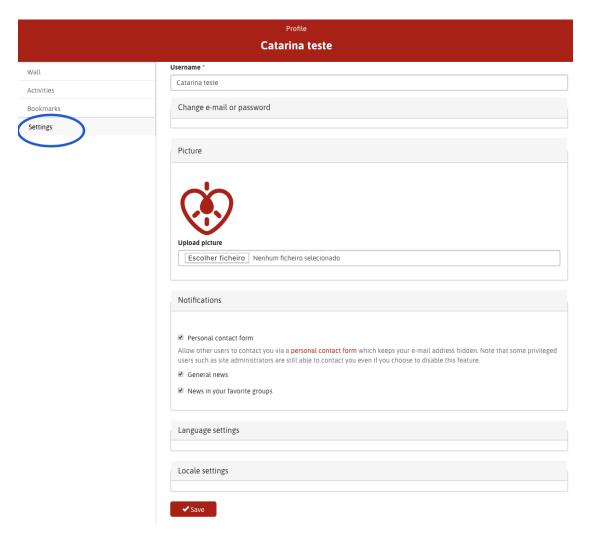


Figure 2.18: Profile page - Settings

To find out how can change the **Settings**, go to the section 2.4.

2.5 Search a solution by search motor

2.5.1 Access to the page

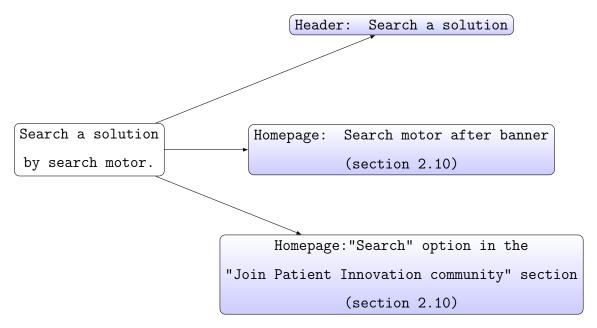


FIGURE 2.19: Search a solution by search motor - access to page

2.5.2 Page description

This page allows the user to search for a solution, health condition or a life challenge (Figure 2.20 and 2.21).

The search engine works as follows:

- Each term makes an "OR" (union of results).
- You can add a "+" (or AND) before mandatory words or a "-" (or NOT) before prohibited words. Example: +kefir innovator: gives all solutions with kefir and ideally with innovator. That is, if you have innovator it appears first than if not.
- You can use the "-" as in the example: innovator -diabetes. This returns results with innovator but excludes those with diabetes.

• You can use the quotes for mandatory words. Example: "3d printing".



Figure 2.20: Search motor through header

Table 2.5: Features from search motor (Figure - 2.20).

Name	Type	Description
1. Search a solution (Header)	Button	It will appear a section where the user
	Dutton	can insert the text to search.

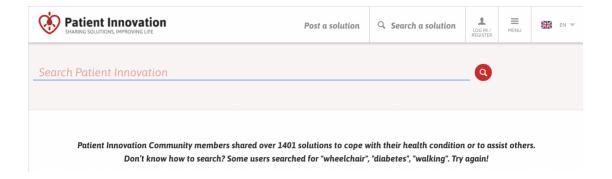


FIGURE 2.21: Search motor through "Search" in the "Join Patient Innovation community" section

The results are presented in a list format (Figure 2.22). Every solution that appears in the list includes: an image of the solution; the title of the solution; the text about the author; the type of post (solution or forum topic); the username of the person that shared the solution and the date which the solution was published.

On the left side of the page the user can filter the results retrieved by the tags (see Tags) associated to the solutions presented within the categories: disease; symptom; location; activity; device or therapy or type: solution or forum topic.

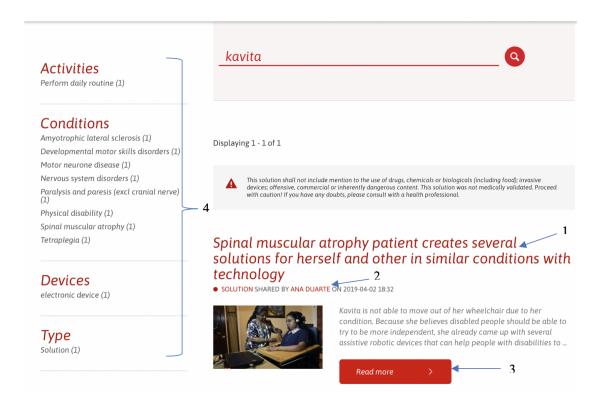


FIGURE 2.22: Results from search motor

Table 2.6: Features from search motor results (Figure - 2.22).

Name	Type	Description	
1. "Solution title"	Hyperlink	Redirects the user to the solution page. (example: section 2.8).	
2. "Author's name"	Hyperlink	Redirects the user to the profile page of the author (wall).	
3. Read more	Button	Redirects the user to the solution page.(example: section 2.8).	
4. Tags	Button	To filter the results by the tags. This section	
4. Tags Dutton		has all the tags that are linked to the solutions retrieved by the search motor.	

2.6 Search a solution by categories

2.6.1 Access to the page

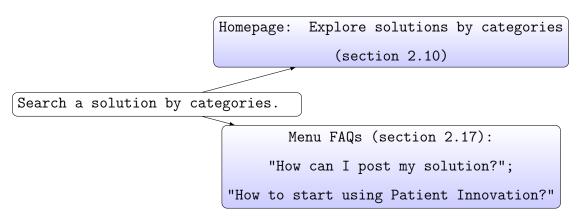


FIGURE 2.23: Search a solution by categories - access to page

2.6.2 Page description

The user can choose solutions by selecting one of the following categories: disease; symptom; location; activity; device or therapy (Figure 2.24).

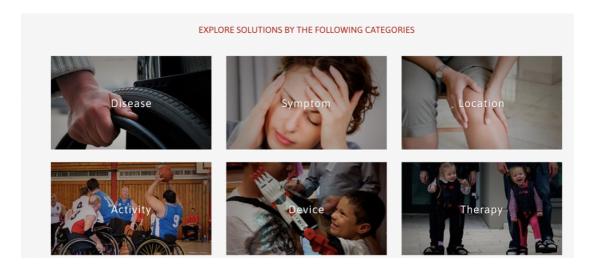


FIGURE 2.24: Search a solution by categories

Table 2.7: Features from categories search (Figure - 2.24).

Name	Type	Description
1. Tags category (disease, symptom)	Button	The user is redirected to a page with
1. Tags caregory (disease, symptom)		all the solutions from that category.

For the category chosen the user can view all the solutions that have tags (see Tags) related to that category (Figure 2.25). The user can also filter the solutions by specific terms (present in the tags list) of that category.

Only the posts from the solution type will appear.

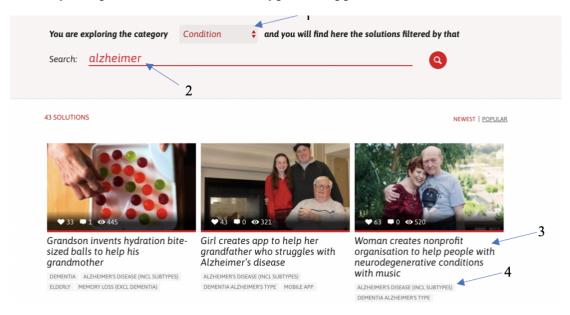


FIGURE 2.25: Results from searching by category

Table 2.8: Features from the results page by searching by categories (Figure - 2.25).

Name	Туре	Description
1. "Tag category"	Select list	The user can change the category type.
2. Search motor	Open camp	The user can search for a specific term
		(present in the tags list of the category chosen).
3. "Solution title"/ image	Hyperlink /image	Redirects the user to the solution page (section 2.8).
4. "Tag name"	Hyperlink	Redirects the user to the tags page (section 2.7).

2.7 Search a solution by tags

2.7.1 Access to the page

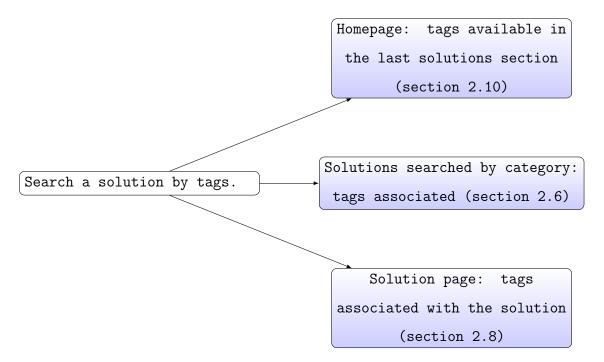


FIGURE 2.26: Search a solution by tags - access to page

2.7.2 Page description

This page presents all the solution, as well as, forum topics related with the tag chosen (Figure 2.27).

Wheelchair INNOVATIVE SOLUTIONS (187) FORUM TOPICS (2) 1 Follow group 187 SOLUTIONS 2 Genny ** - a Segway adapted wheelchair Mother creates clothing line for wheelchairs for wheelchairs a solution of the hot-rod wheelchair Man develops portable shower for hot-rod wheelchair Paraplegic invents Do-It-Yourself Handcycle combining a bycicle and a wheelchair

Figure 2.27: Results from searching by tags

Table 2.9: Features from tags results (Figure - 2.27).

Name	Туре	Description
1. "Post classification"	Button	The user can choose between solutions or
1. Tost classification	Button	forum topic related to the tag.
2. Follow group	Button	Adds the tag to the Bookmarks of the User profile (section 2.4).
3. "Solution title"/ image	Hyperlink /image	Redirects the user to the solution page (section 2.8).

2.8 Solution page

2.8.1 Access to the page

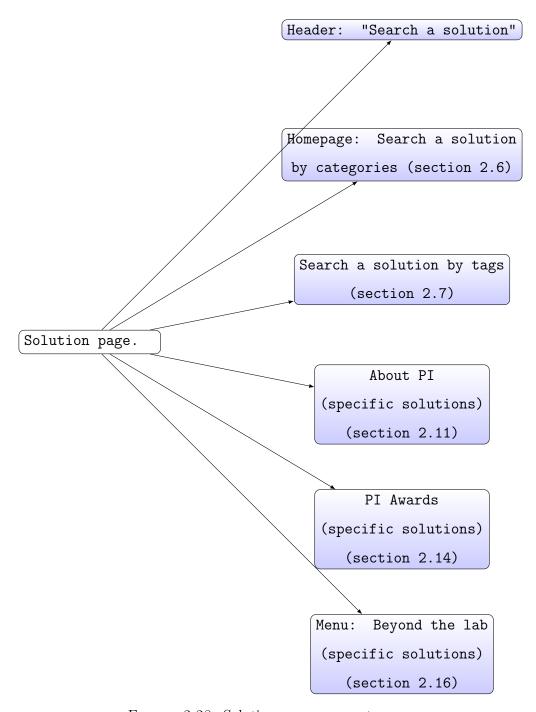


Figure 2.28: Solution page - access to page

2.8.2 Page description

On the solution page (Figure 2.29), the user has available:

- Photos about the creator, solution and a person using the solution;
- Title of the solution;
- Description of the solution: where it is explained the patient/innovator situation and what was invented to overcome the problem. It is also available links where the user can get more information about the solution;
- About the solution creator: where the user can describe a short story of the author's solution;
- Tags associated to the solution: is a label, that describes some aspect of the content of a post. The information one provides in a meta tag is used by the search engine implemented in the platform to index a page so that someone searching for the kind of information the post contains will be able to find it. The tags are placed under the post description. The list of tags is called Taxonomy and can only be edited (add/delete tags) by the Patient Innovation medical and management team.

Additionally, the user has available some features for interaction through buttons, comment and reply to comments from others. The comment feature is only available for authenticated users (Figure 2.30).

At the end of the page is also available solutions related to the solution topic.

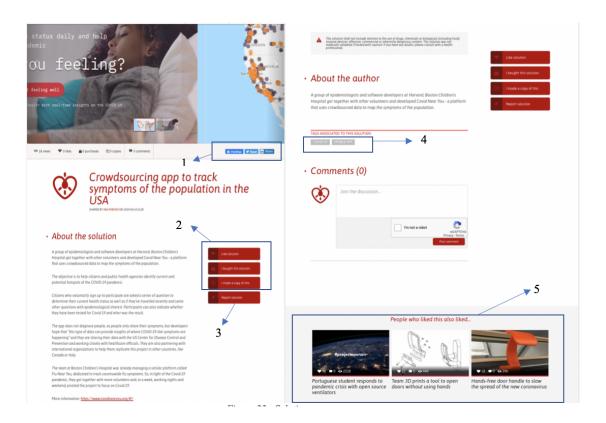


FIGURE 2.29: Solution page



FIGURE 2.30: Comments section without login (on the right) or with login (on the left)

Table 2.10: Features from solution page (Figure - 2.29 and 2.30).

Name	Type	Description
1. Share/Tweet/Share	Button	To share the solution in Facebook,
1. Share/ Tweet/ Share	Dutton	Twitter or Linkedin
2. Like Solution/ I		The user can interact with the solution
bought this solution/ I	Button	through the buttons. He/She can reverse this action
made a copy of this		by clicking again in the button
		The user can report the solution
3. Report solution But	Button	in case he/she consider the solution dangerous,
		duplicative and/or offensive (only available for authenticated users) .
4. "Tag name"	Hyperlink	Redirects the user to the tag page
4. Tag name	Пуренни	(section 2.7)
5. Solutions related	Image	Redirects the user to the solution page
6. Log in or register	Hyperlink	Redirects the user to the login page (section 2.2) or registration page (section 2.1)
7. Post comment	Button	To post a comment (only available for authenticated users).
8. Reply	Hyperlink	To reply to a comment (only available for authenticated users).

2.9 Post a solution page

2.9.1 Access to the page

Only available for authenticated users.

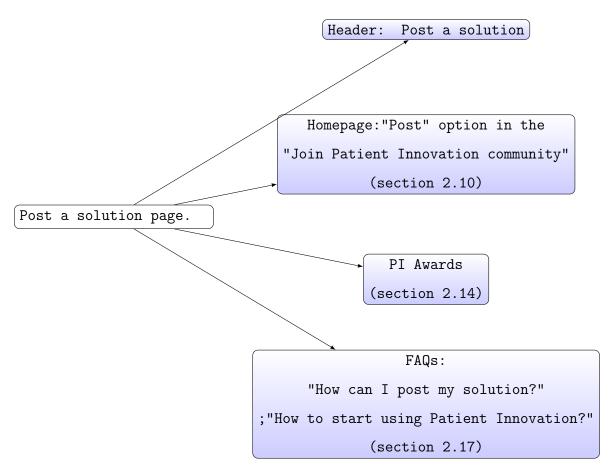


Figure 2.31: Post a solution - access to page

URL: https://patient-innovation.com/post

2.9.2 Page description

A user must fill in the following fields to publish a solution:

- Solution Title (mandatory text field) where the user can indicate what the solution is about and that distinguishes it from other solutions.
- Solution Description (mandatory text field) where the user can describe the solution. In the case of a solution, the description must include a short story of the author's solution.
- About the solution's creator (mandatory text field) where the user can describe a short story of the author's solution.

- You are a (mandatory triple choice field) where the user can describe his/her situation as user on the platform. The user can be a patient, caregiver or collaborator.
- Images (non mandatory file upload field) a user can add images to illustrate a solution (png, gif, jpeg and jpg, under 20M)
- Videos (non mandatory file upload field) a user can add links of videos to illustrate a solution – (from Youtube, Vimeo and Dailymotion)
- Documents (non mandatory file upload field) a user can add images to illustrate a solution (txt, pdf, pps, ppt, doc, xls. under 20M)

Before going online, all the solutions will undergo a screening process, made by the PI medical team, that will identify and remove posts that are considered offensive or inappropriate, of commercial intent, that do not qualify as a solution proposal, that involve drugs, chemicals or biologics, that consist of invasive devices, or that are visibly and intrinsically dangerous. The PI team will also define if the post is consider a solution or a forum topic.

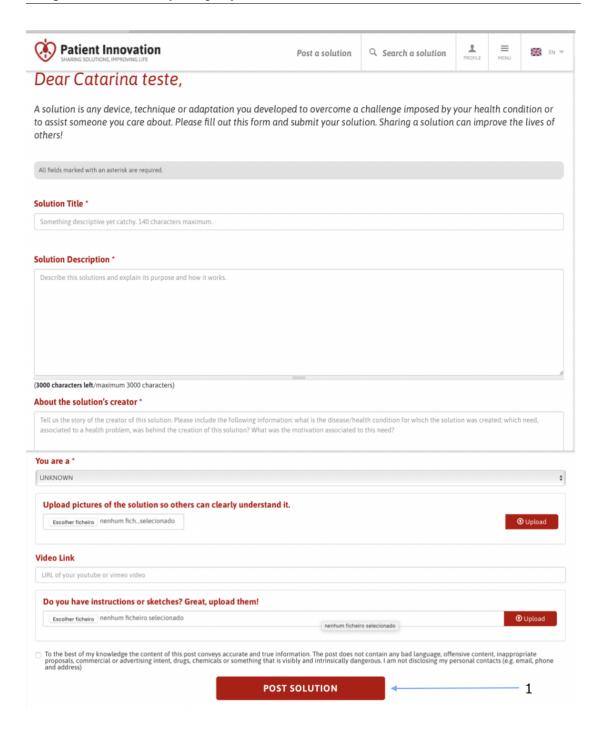


FIGURE 2.32: Post a solution page

Table 2.11: Features from post a solutiomn (Figure - 2.32).

Name	Type	Description
1. Post solution	Button	To submit the solution on the website

2.10 Homepage

2.10.1 Access to the page

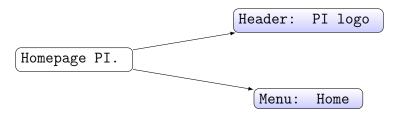


Figure 2.33: Homepage - access to page

URL: https://patient-innovation.com/

2.10.2 Page description

On the homepage the user can find important news at the banner, features for searching solutions and information about the PI project.

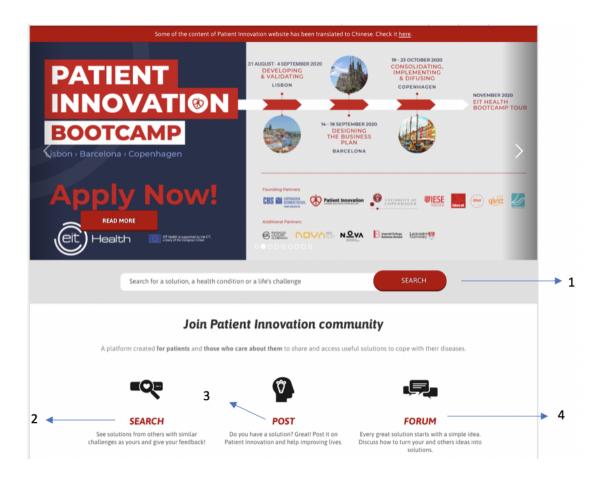


Figure 2.34: Homepage - part 1

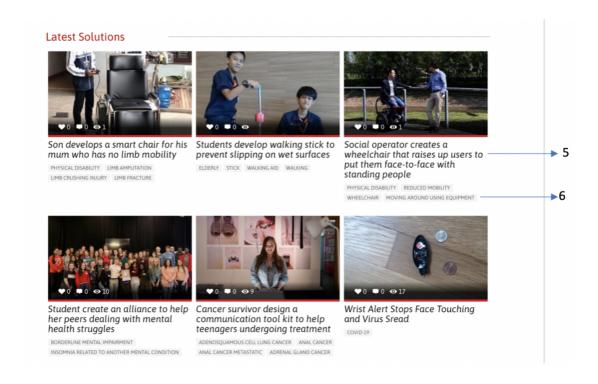


FIGURE 2.35: Homepage - part 2

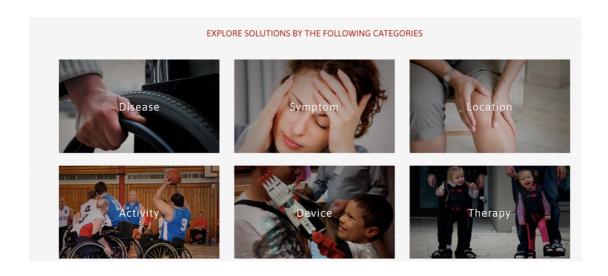


FIGURE 2.36: Homepage - part 3

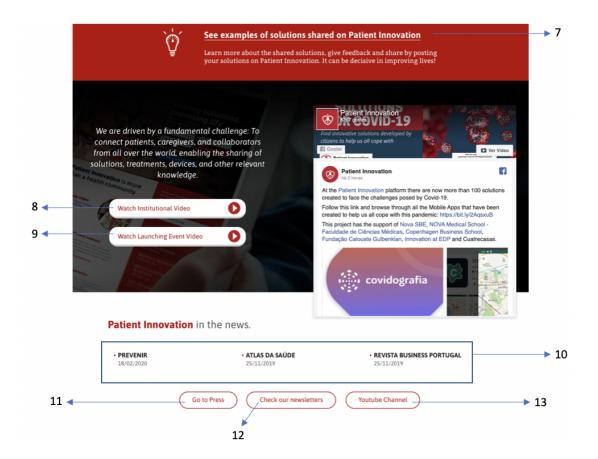


FIGURE 2.37: Homepage - part 4

Table 2.12: Features from Homepage (Figure - 2.34, 2.35 and 2.37)

•

Name	Туре	Description
1 County (Firmure 9.24)	Button	The user is redirected to the page with the solutions
1. Search (Figure 2.34)	Button	related with the terms searched. (section 2.5).
2. Search (Figure 2.34)	Button	Redirects the user to a search motor (figure 2.21 from section 2.5).
3. Post (Figure 2.34)	Button	If the user is logged in, the user is redirected to the post a solution page (section 2.9).
5. 1 ost (Figure 2.54)	Button	Otherwhise the user is redirected to the login page (section 2.2).
4. Forum (Figure 2.34)	Button	Redirects the user to a page with the solutions sorted by categories. (section 2.6).
5. Image/Title (Figure 2.35)	Image/Hyperlink	The user is redirected to the page of the selected solution.
		The user can select one of the tags from the lastest solution section
6. Tags (Figure 2.35)	Hyperlink	and he/she will be redirected for a page with all the solutions related to that tag
		(section 2.7).
7. See examples of solution shared on		The first hyperlink redirects the user to the About PI page (section 2.11).
Patient Innovation (with login)	Hyperlink	The list hypermix reduceds the user to the About 11 page (section 2.11). The second one the user is redirected to the login page.
/ Join Patient Innovation Community	Пурстнік	(section 2.2).
(without login)		(section 2.2).
8. Watch Institutional Video	Button	Video about PI
9. Watch Launch Event Video	Button	Video about PI
10. "Media articles"	Hyperlink	Redirects the user to the In the media page (section 2.18).
11. Go to Press	Button	Redirects the user to the In the media page (section 2.18).
12. Check our newsletters	Button	Redirects the user to the newsletter page (section 2.20).
13. Youtube Channel	Button	Redirects the user to the PI youtube page.

2.11 About PI page

2.11.1 Access to the page



Figure 2.38: About PI - access to page

 $\mathbf{URL} \colon \texttt{https://patient-innovation.com/about}$

2.11.2 Page description

On this page the user can get information about the PI project, the goals and examples of solutions in each category (patients, caregiver or collaborator).

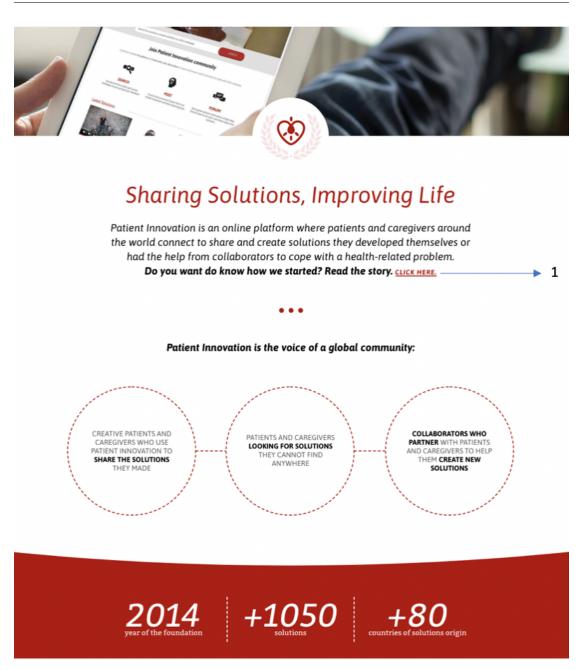


FIGURE 2.39: About PI page - part 1

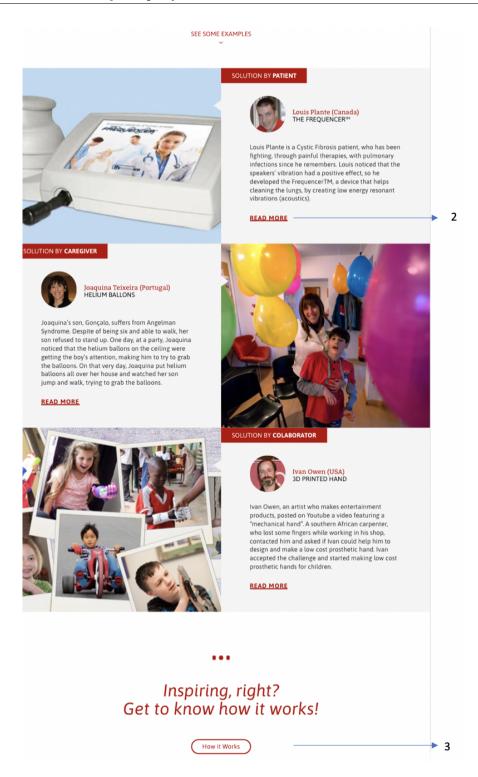


FIGURE 2.40: About PI page - part 2

Table 2.13: Features from About PI page (Figure - 2.39 and 2.40).

Name	Type	Description
1. Click here (Figure 2.39)	Hyperlink	Redirects the user to the book
1. Click here (Figure 2.59)	пуреник	about the first 3 years of PI.
2. Read more (Figure 2.40)	Hyperlink	Redirects the user to each solution page present.
3. How it works (Figure 2.40)	Button	Redirects the user to the How it works page (section 2.12).

2.12 How it works page

2.12.1 Access to the page

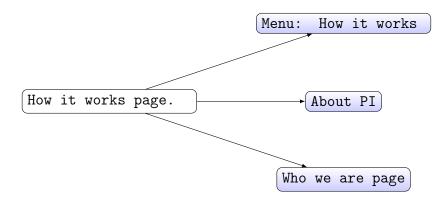


Figure 2.41: How it works - access to page

URL: https://patient-innovation.com/how-it-works

2.12.2 Page description

On this page the user can get information about registration and how to get involve in the platform (Figure 2.43); the features related to the user account (Figure 2.43), and technologic acnd security aspects about the platform (Figure 2.44).

Patient Innovation

is a platform and social network that allows patients and caregivers to share their health solutions with other people.



FIRST STEPS

USER FEATURES

TECHNOLOGY

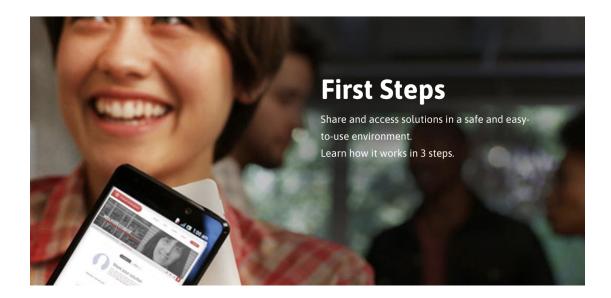


FIGURE 2.42: How it works page - part 1

Register in Patient Innovation Search solutions Find solutions or Forum topics related to the topics searched The user can find solutions developed by patients, caregivers and/or collaborators by searching for keywords in the search motor at the top right corner of each page, via "Search a solution". The platform also has available a search by categories, where the user can find all published solutions grouped by condition,

Start by registering with your email or Facebook

You can register right in the Homepage or at the top-right corner of every page, via "Log in/Register", "Register now, it's free!". Registration can be done using either your email address and user name or with your Facebook log-in information. You can then start sharing with the community and comment the solutions available.



3 Share your Solutions



symptom, location, activities, devices or therapy.

Sharing solutions, improving life

Once you are logged in, you can write down your ideas or solutions for dealing with your condition in your daily life, at the top-right corner of every page, via "Post a solution". You can improve your post by adding pictures, and links to videos. Even the simplest solutions can change the day-to-day lives of others!

FIGURE 2.43: How it works page - part 2

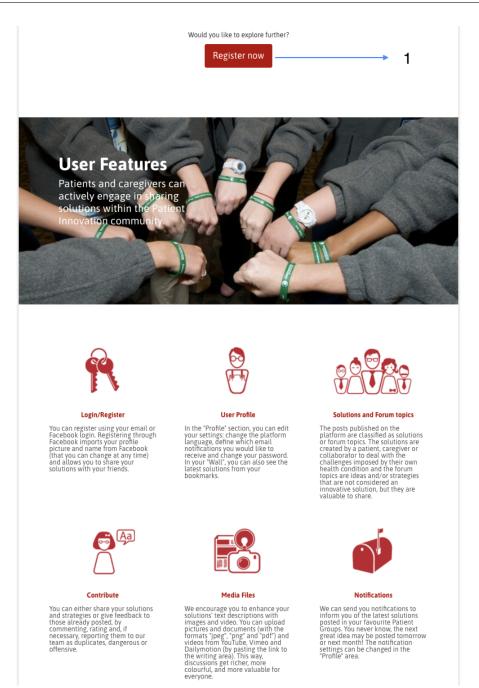


FIGURE 2.44: How it works page - part 3

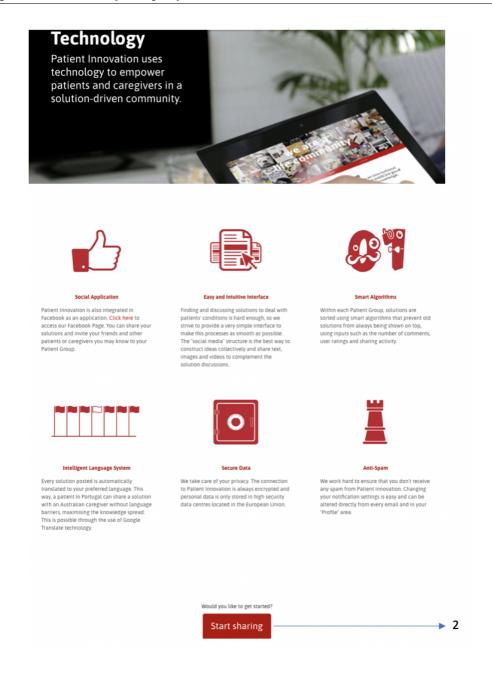


Figure 2.45: How it works page - part 4

Table 2.14: Features from How it works page (Figure - 2.44 and 2.45).

Name	Type	Description
		If it is a visit user, the user is redirected
1. Register now (Figure 2.44)	4) Button	to the registration page (section 2.1).
		If the user is logged in, he/she is redirected to his/her profile page.
2. Start sharing (Figure 2.45)	Button	Redirects the user to the Homepage (section 2.10).

2.13 Who we are page

2.13.1 Access to the page

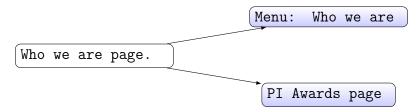


FIGURE 2.46: Who we are - access to page

 \mathbf{URL} : https://patient-innovation.com/who

2.13.2 Page description

On this page, the user has information about the PI team members, the advisory board and supporters (Figure 2.47 and 2.49). Also, the users can view the partnerships and chapters of PI (Figure 2.50).

On the team, advisory board and partnership separators, if the user clicks on the image a short bio is available (example: Figure 2.48). An open platform for patients and caregivers of any disease and geography to share solutions they developed to help them cope with the challenges imposed by their disease or health condition.



· Team

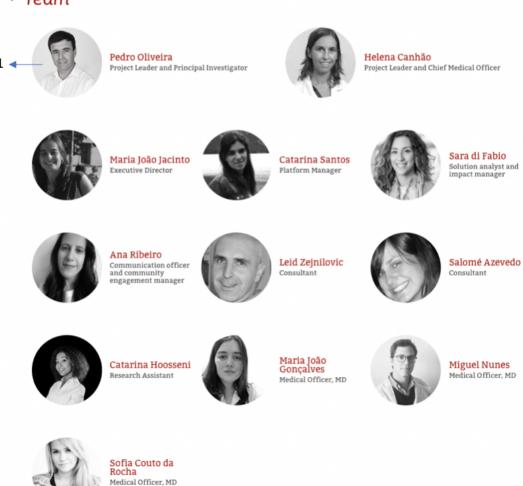


FIGURE 2.47: Who we are page - part 1

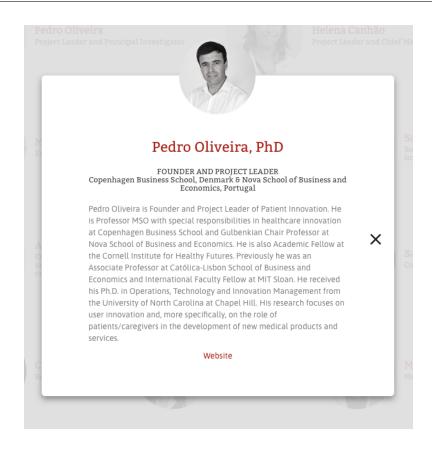


Figure 2.48: Who we are page - part 2

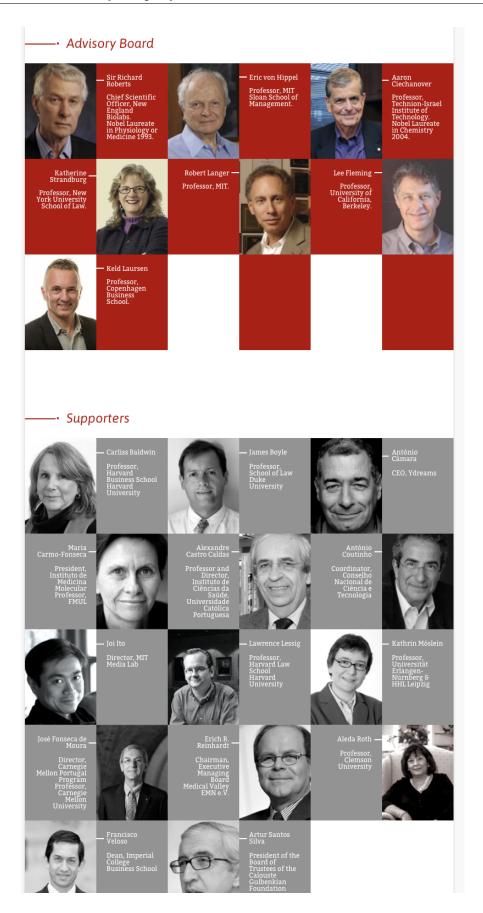


FIGURE 2.49: Who we are page - part 3

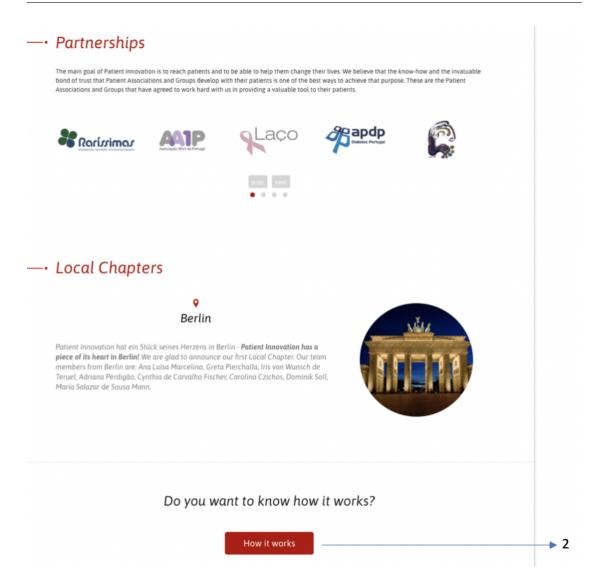


Figure 2.50: Who we are page - part 4

Table 2.15: Features from Who we are page (Figure - 2.47 and 2.50).

Name	Type	Description
1.Image	Image	If the user clicks on the image,
(Team and Advisory Board section)		a short bio is available (example Figure 2.48).
2. How it works (Figure 2.50)	Button	Redirects the user to the How it works page (section 2.12).

2.14 PI Awards page

2.14.1 Access to the page

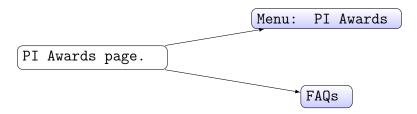


FIGURE 2.51: PI Awards - access to page

URL: https://patient-innovation.com/awards

2.14.2 Page description

PI is all about empowering patients, caregivers and collaborators, by showing how their knowledge and experience is valuable. We want to keep motivating our community to get creative and innovative, and to share their solutions with each other. That is why we have created the PI Awards, where, each year, the PI team celebrates the achievement and contribution of patients, caregivers and collaborator innovators. These awards provide the opportunity to recognize any patient, caregiver or collaborator who developed a solution to help him/her deal with a health condition or disease and posted it on the PI platform. The PI Awards honor innovators in three separate categories, according to their solutions' novelty and relation with need:

- Patient Innovation Award
- Caregiver Innovation Award
- Collaborator Innovation Award

On this page the user has information about the PI Awards (Figure 2.52 and 2.54); the winners of each edition of PI Awards (Figure 2.52 and 2.53); videos and

newsletters related to each edition (Figure 2.53) and the sponsors associated to the PI Awards (Figure 2.55).



Patient • Caregiver • Collaborator

"Patient Innovation (PI) launched the PI Awards with the objective of honoring all patients, caregivers and collaborators who have developed innovative solutions to cope with the challenges of their health condition, to help others they care about, or in some cases, people they don't even know.

Thank you for that. Warm congratulations to all those who participated."

Who we are

---- The four winners of the 4th PI Awards



FIGURE 2.52: PI Awards page - part 1

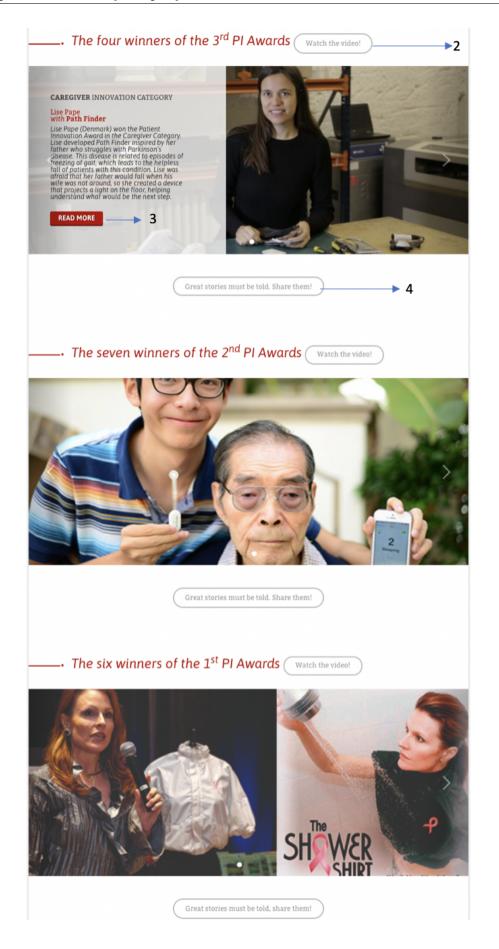


FIGURE 2.53: PI Awards page - part 2

Do you want to apply for the 5th Patient Innovation Awards?



· The Challenge

Once you post and share a solution on Patient Innovation, you are eligible for that year's Patient Innovation Awards.



Figure 2.54: PI Awards page - part 3

Sponsors

We are thrilled to announce that **Patient Innovation** has signed a collaboration and sponsorship agreement with **EIT Health**.



EIT Health is a consortium of over 140 partners including companies, research centres and universities from 15 EU countries. The goal of EIT Health is to contribute to increasing the competitiveness of European industry, improve the quality of life of Europe's citizens and the sustainability of healthcare systems. In line with Patient Innovation's goals, EIT Health promotes entrepreneurship and innovation in healthy living and active ageing, providing Europeans with new opportunities and resources.

EIT Health is one of the largest healthcare initiatives worldwide and we are super happy with this opportunity and look forward to working with EIT Health and its partners.

→ Sponsors of PI Awards

These are entities that have agreed to work hard with us in providing a valuable way to honor patients, their caregivers and collaborators spread all around the world.











prev next

Figure 2.55: PI Awards page - part 4

TABLE 2.16: Features from PI Awards page (Figure - 2.52, 2.53 and 2.54).

Name	Type	Description
1. Who we are (Figure 2.52)	Hyperlink	Redirects the user to the PI team page (section 2.13).
2. Whatch the video (Figure 2.53)	Button	Opens the PI Awards video.
3. Read more (Figure 2.53)	Button	Redirects the user to the solution page.
4. Great stories must be told.Share them! (Figure 2.53)	Button	Redirects the user to the newsletter of the respective awards edition.
5. Post a solution (Figure 2.54)	Button	If it is not authenticated, this button redirects to the login page (section 2.2). Otherwhise the user is redirected to the post page (section 2.9).

2.15 Bootcamp (temporary page)

2.15.1 Access to the page

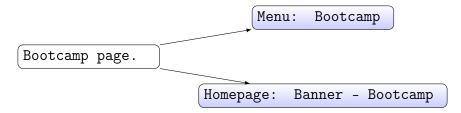


FIGURE 2.56: Bootcamp - access to page

URL: https://patient-innovation.com/bootcamp

2.15.2 Page description

The PI Bootcamp is an acceleration program aimed at supporting patients, informal caregivers and collaborators to implement and scale up the innovative solutions they developed to help them cope with a need imposed by their health condition.

It is available information about what is PI bootcamp 2020, the timeline (Figure 2.57 and 2.58), the selection process of the teams (Figure 2.58), and the partnerships associated to the Bootcamp (Figure 2.59).



Boosting Patient Entrepreneurship

The Patient Innovation (PI) Bootcamp is an **acceleration program** aimed at supporting patients, informal caregivers and collaborators to **implement and scale up the innovative solutions they developed** to help them cope with a need imposed by their health condition.

The PI Bootcamp will be delivered in a blended way, with 3 weeks on-site (in Lisbon, Barcelona and Copenhagen) over an 7 months period, and supported by e-leaning materials designed to help teams of patients and informal caregivers to further develop and launch their device, diagnostic and digital health innovations.



We will select 10 teams and european citiziens will be sponsored by EIT Health for travel and accommodation (up to 10.000€ per team). There is not registration fee.

In light of the current events we have decided to postpone the deadline for submission of applications. The new deadline is now April 30.

FIGURE 2.57: Bootcamp page - part 1

LISBON, PORTUGAL

What does it consist of?

3 weeks on site will help to learn about and develop:







Also, all teams will participate in the EIT Health Bootcamp Tour in November 2020, which consists in two events where all EIT Health sponsored bootcamp participants will meet and participate in different workshops and network moments. In the end, the teams will be able to validate their clinical, technological and business concept. The teams will benefit from specialized mentoring.



Is this for me?

The PI Bootcamp accepts **teams constituted by at least one patient or one informal caregiver**, who have developed an innovative solution to deal with a personal health condition (including diagnostics, wearable devices, telehealth, telemedicine, big data, apps, electronic health records, health information technology, personalised medicine, etc).

The teams must consist of three members with different roles, focusing on:



Overall business objectives and responsible for coordinating the team's work



Medical and healthcare delivery issues



Available technology options, requirements and architectural issues

FIGURE 2.58: Bootcamp page - part 2



Figure 2.59: Bootcamp page - part 3

2.16 Beyond the lab

2.16.1 Access to the page

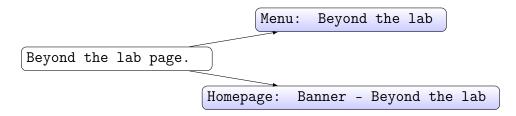


Figure 2.60: Beyond the lab - access to page

 $URL: \ https://patient-innovation.com/beyond-the-lab$

2.16.2 Page description

The user can have all the information related to the participation of PI in the "Beyond the Lab: The DIY Science Revolution", an exhibition that was toured around 29 European countries, from July 2016 to May 2018.

It is available information about the exhibition, the solutions presented by PI, the timeline of the exhibition and some photos about it (Figure 2.61 and 2.62).

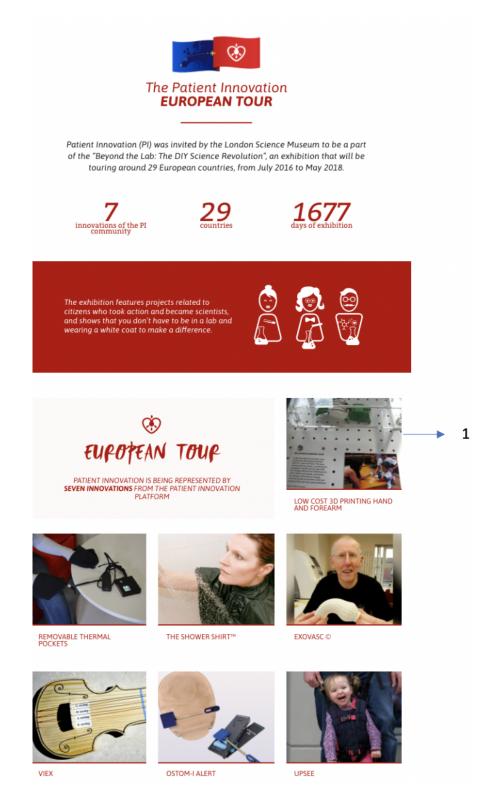


FIGURE 2.61: Beyond the lab page - part 1



Beyond the lab — Timeline

<			
DATE	LOCATION	VENUE	STATUS
▼ JULY, 6 2016 ► AUGUST, 28 2016	BONN, GERMANY	BONN SCIENCE SHOP	CONCLUDED
▼ JULY, 7 2016 ► SEPTEMBER, 4 2016	LONDON, UK	SCIENCE MUSEUM LONDON	CONCLUDED
▼ JULY, 14 2016 ► SEPTEMBER, 11 2016	WARSAW, POLAND	COPERNICUS SCIENCE CENTRE	CONCLUDED
▼ AUGUST, 16 2016 ► SEPTEMBER, 17 2016	LJUBLJANA, SLOVENIA	USTANOVA HIŠA EKSPERIMENTOV	CONCLUDED
▼ SEPTEMBER, 17 2016 ► NOVEMBER, 11	LUXEMBOURG, LUXEMBOURG	LUXEMBOURG SCIENCE CENTER	

Show more



Use these hashtags to help the world to get know us:

#PatientInnovation #BeyondTheLab



FIGURE 2.62: Beyond the lab page - part 2

Table 2.17: Features from Beyond the lab page (Figure - 2.61).

Name	Type	Description	
1. Image/Title	Image/Hyperlink	Redirects the user to the solution page	
		(all the solutions presented in the exhibition are represented on this page).	

2.17 FAQs

2.17.1 Access to the page

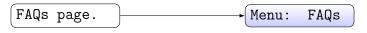


FIGURE 2.63: FAQs - access to page

 \mathbf{URL} : https://patient-innovation.com/faq

2.17.2 Page description

In this page is available the answers for the most frequently asked questions. The user can expand each of the questions to see the PI response.

Frequently Asked Questions

Please find answers to the most frequently asked questions below.

[expand all]

What is Patient Innovation platform?

Who are Patients, Caregivers and Collaborators?

What is a solution at Patient Innovation?

Why should I post my solution?

How can I post my solution?

Why do I need to register?

How to start using Patient Innovation?

Can I edit my solutions?

What kind of media content may illustrate the solutions?

How open is the Patient Innovation platform?

How can I receive notifications?

What are bookmarks?

How can I get a new password?

How do you prevent the misuse of the platform?

What happens if a solution seems dangerous?

In which situations should a solution be reported?

How is users' personal information protected?

How are the proposed solutions medically validated?

Who is responsible for any damage caused by use or experimentation with a proposed solution?

Where can I find the Terms of Service for the Patient Innovation platform?

How can I request account closure?

Who manages the platform?

How can I help the project?

What languages is this site offered in?

Who does the translation of the posts?

Who created Patient Innovation?

How is the project financed?

Are you supported by health professionals or institutions?

What are the Patient Innovation Awards?

What's Patient Innovation Advisory Board?

How can I interact with other users?

FIGURE 2.64: FAQs page

2.18 In the media

2.18.1 Access to the page

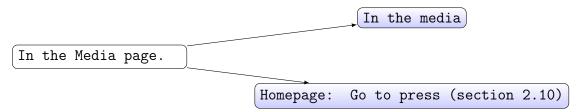


Figure 2.65: In the media - access to page

 $URL: \ https://patient-innovation.com/in-the-media$

2.18.2 Page description

User can see the PI publications in the media.

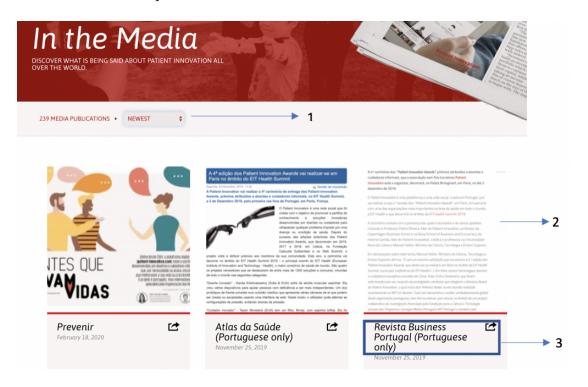


FIGURE 2.66: In the media page

Table 2.18: Features from media page (Figure - 2.66).

Name	Type	Description	
1. Newest/oldest	Select list	Sort publications by date.	
2. Image	Image	Expand image.	
3. "Title"	Hyperlink	Redirects the user to the original source of the publication.	

2.19 Footer

The footer is available at the end of every page.

2.19.1 Page description

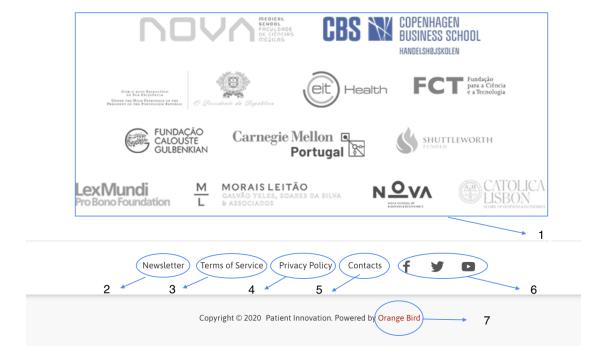


FIGURE 2.67: Footer

Table 2.19: Features from Footer page (Figure - 2.67).

Name	Type	Description	
1. Logos	Hyperlink	A new tab opens in the browser	
1. Logos		with the sponsor's website link.	
2. Newsletter	Hyperlink	The user is redirected to the	
2. Newsletter		Newsletter page (section 2.20).	
3. Terms of Service	Hyperlink	The user is redirected to the	
5. Terms of Service		Terms of Service page (section 2.21).	
4 D : D !:	Hyperlink	The user is redirected to the	
4. Privacy Policy		Privacy Policy page (section 2.22).	
5. Contacts	Hyperlink	The user is redirected to the	
5. Contacts		Contacts page (section 2.23).	
	Hyperlink	The user is redirected to following URLs, respectively:	
6. Facebook/ Twitter/ Youtube		https://www.facebook.com/PatientInnov	
		https://twitter.com/PatientInnov	
		https://www.youtube.com/channel/UCJ-ZiSuZ9CWoO_eZ68Kdg6w.	
	Hyperlink	A new tab opens in the browser	
6. Orange Bird		with the sponsor's website link:	
		https://orange-bird.pt/	

2.20 Newsletter page

2.20.1 Access to the page

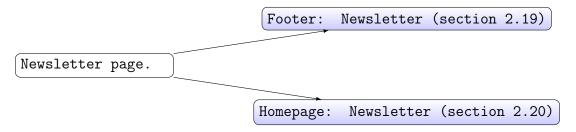


FIGURE 2.68: Newsletter page access

URL: https://patient-innovation.com/newsletters

2.20.2 Page description

On this page the user can see all the PI newsletters. The newsletters sigal important PI events, such as PI Awards.



FIGURE 2.69: Newsletter page

Table 2.20: Features from Newsletter page (Figure - 2.69).

Name	Type	Description	
1. Sign up	Hyperlink	To subscribe the PI newsletter.	
1. "Title"	Hyperlink	To open the newsletters available.	

2.21 Terms of Service page

2.21.1 Access to the page



Figure 2.70: Terms of Service page access

URL: https://patient-innovation.com/tos

2.21.2 Page description

On this page the user can find the PI Terms of Service, Privace Policy and Netiquette.

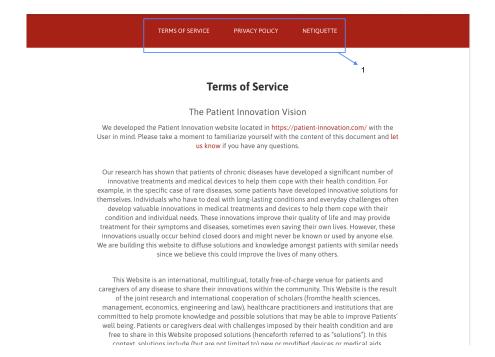


FIGURE 2.71: Terms of Service page

Table 2.21: Features from Terms of Service page (Figure - 2.71).

Name Type		Description	
1. Terms of Service/	Hyperlink	When the user pushes one of this button he/she is redirected to	
Privace Policy/ Netiquette	пуреник	the Terms of Service, Privace Policy or Netiquette section.	

2.22 Privacy Policy page

2.22.1 Access to the page

```
Privacy Policy page. Footer: Privacy Policy (section 2.19)
```

FIGURE 2.72: Privacy Policy page access

URL: https://patient-innovation.com/tos#privacy

2.22.2 Page description

On this page the user is redirected to the Privacy Policy section of the Terms of Service page (Figure 2.71).

2.23 Contacts page

2.23.1 Access to the page

```
Contacts page. Footer: Contacts (section 2.19)
```

FIGURE 2.73: Contacts page access

URL: https://patient-innovation.com/contactus

2.23.2 Page description

On this page the user has all the information to contact PI: address, phone number, e-mail and social media contacts.

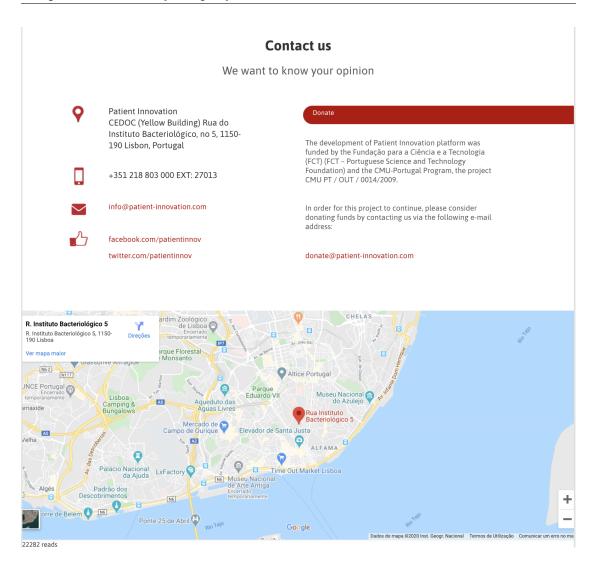


FIGURE 2.74: Contacts page

Chapter 3

Processes: Access operations

This section aims to explain in detail all the processes that the user can perform on the platform regards to the access to the PI platform:

- Register;
- Login;
- Edit information:
 - Recover password;
 - Change password;
 - Change email

3.1 Registration process

3.1.1 Prerequisite

None.

3.1.2 Process

To simplify the description of the registration process we will only consider the case of a user registering from the option **Login/Register** on the Header.

- 1. Click/Pass the mouse on Log in/ Register:
 - (a) Case 1: Click on Log in/Register icon →Redirects to a page for Login/ Registration (Figure 3.1).

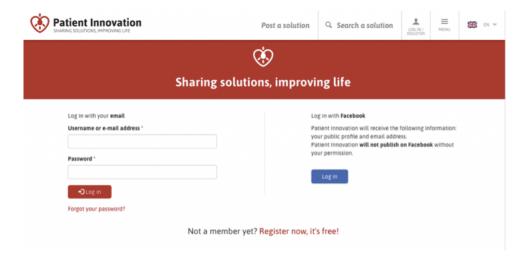


FIGURE 3.1: Registration/login page after clicking on Log in/Register icon

(b) Case 2: Pass on Log in/Register icon \rightarrow Menu with information about Login/Registration (Figure 3.2).

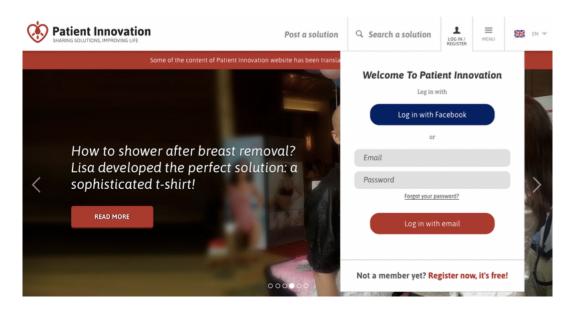


FIGURE 3.2: Registration/login page after passing the mouse on Log in/Register icon

- 2. Click on **Register now**, **it's free!**, the hyperlink redirects the user to Registration Page (Figure 3.3).
- 3. On the registration page there are two options of registration, with Facebook or with email address (Figure 3.3):
 - (a) Registration with Facebook: click on the **Register with Facebook** button. It will open a new tab with Facebook login. If the user is not connected on Facebook, it is necessary to do the login or to create an account on Facebook.
 - Registering through Facebook imports the user profile picture, username amd e-mail from Facebook (it can be change at any time).
 - (b) Registration with email address: the user must fill the following camps: username, email address, password, confirm password and check on "I'm not a robot" (all the camps are required, so if the user does not fill all the camps, an error message will appear at the top of the page). After that the user must click on the **Create new account** button.

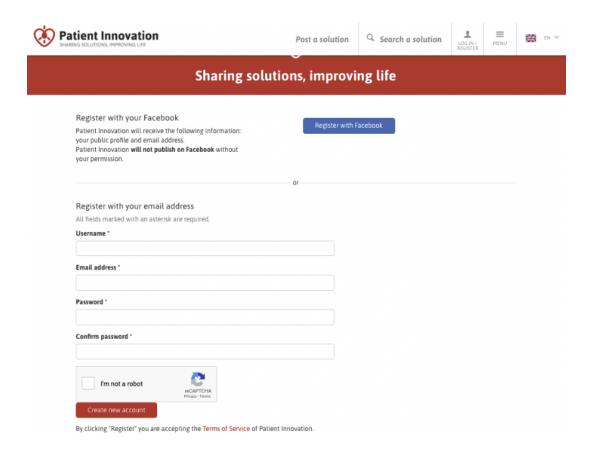


FIGURE 3.3: Registration page

If the procedure is correct, the user will be redirect to the Homepage. At the top of the page it will appear the following message: "A validation e-mail has been sent to your e-mail address in order to gain full access to the site, you will need to follow the instructions in that message"

4. Open the email "Account details for (username) at Patient Innovation" from PI. This e-mail is sent to the email account used at the registration form or the email associated with the Facebook account (Figure 3.4).

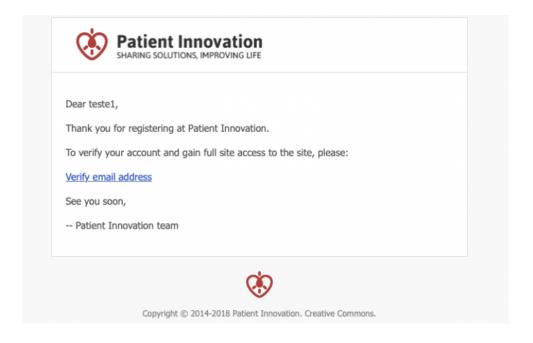


FIGURE 3.4: E-mail from Patient Innovation to validate e-mail registration.

5. In the e-mail click on the "Verify email address" hyperlink. This step will open a new tab of PI Homepage with a success message: "You have successfully validated your e-mail address". The page already has the user 's session open.

3.1.3 Restrictions

- If any of the registration camps are not correct or filled, the respective alert message will appear on the top of the Registration page:
 - "Username field is required."
 - "Email address field is required."
 - "Password field is required."
 - "The name (username) is already taken."
 - "The specified passwords do not match."
 - "The e-mail address (email) is already registered. Have you forgotten your password?"

- If the user has already an account:
 - If the user tries to register with a username and/or an e-mail that already exists, it will appear an alert message on the top of the registration page, informing that the username and/or e-mail already exists. The user has available a hyperlink "Have you forgotten your password". This hyperlink redirects the user to a page to request a new password. (See section: 3.3.2 the user will start from step 3 of the process).

The registration page has also available a hyperlink "Log in here" (Figure 3.5), that redirects the user to the Login page. See section: 3.2.

Already have an account? Log in here

FIGURE 3.5: Hyperlink if the user already has an account.

• If the user clicks again on the hyperlink "Verify email address" in the registration e-mail:

It will open a new tab with an error message on the login/Register page (Figure 3.6) or on the user setting's page (if the user session is already open) (Figure 3.7).



FIGURE 3.6: Error message when the user tries to open again the hyperlink.

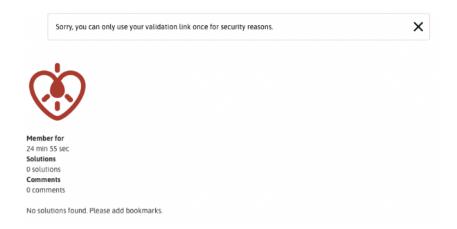


FIGURE 3.7: Error message when the user tries to open again the hyperlink with an open session.

3.1.4 Input information

Despite the registration option the user has chosen, the following information is required:

- Username: visible to everyone who accesses the platform and registered as a new user entry in the user's database (visible in the backoffice).
- Email: not visible to anyone, except platform managers. This email address enables the validation of the respective user's account, and it is registered in the user's database, next to the respective username.
- Password: not visible to anyone and not stored anywhere.

3.1.5 Output information

Every time a user registers at the platform a new entry is created in the user's database (visible in the back office). The following features about a new user are automatically addressed in the database:

- ID: each user account created into the platform is assigned with an ID number. Due to the data migration from innosabi to PPL the list of user's identification numbers starts at number 2493.
- Name: username name chosen by the user to identify him/herself.
- E-mail: user's email address user's email address used to validate his/her account.
- Active: user's status in the platform after creating his/her own account, he/she can decide to delete the account. This feature can take up two values:
 - Yes the user has authenticated his/her own account;
 - No the user either did not authenticate his/her own account or decided to delete his/her own account.
- Roles user's role in the platform. This feature can take up the following values:
 - manager the user is a PI team member;
 - non-authenticated the user created a user account but did not validate his/her own account through email.
 - authenticated the user created a user account and validate his/her own account through email.
- Created date date and time the account was created by the user.
- Last access date and time user logged in to the platform.

3.2 Log in process

3.2.1 Prerequisite

The user needs to be registered on the platform (see section 3.1).

3.2.2 Process

To simplify the description of the login process we will consider only the case of a registered user logging in from the Header.

- 1. Click/Pass the mouse on Log in/ Register:
 - (a) Case 1: Click on Log in/Register icon →Redirects to page about Login/ Registration (Figure 3.8).

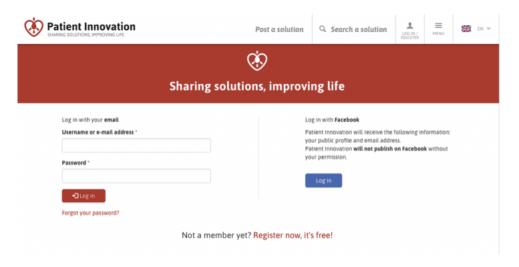


FIGURE 3.8: Registration/login page after clicking on Log in/Register icon

(b) Case 2: Pass on Log in/Register icon \rightarrow Menu with information about Login/ Registration (Figure 3.9).

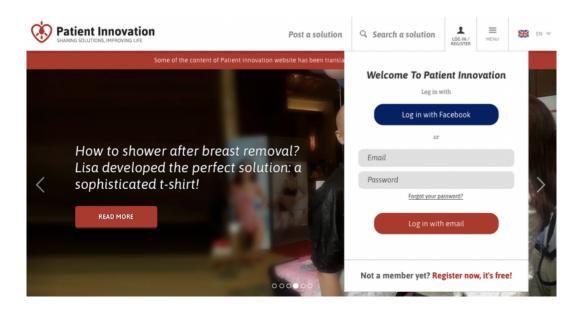


FIGURE 3.9: Registration/login page after passing the mouse on Log in/Register icon

2. Insert the data for login:

(a) If the registration process was done by Facebook account: log in with user's Facebook account.

Click on the blue **Log in** button (Figure 3.8) or **Log in with Facebook** button (Figure 3.9).

A new tab is opened with Facebook page. If the Facebook session is not opened, it is necessary to log in. After that, it will appear a message saying that the user already has an account in PI with Facebook and asking if the user wants to continue. If the user wants to continue, he/she needs to press on **ok** button (Figure 3.10). The user is redirected to his/her profile page on PI website.

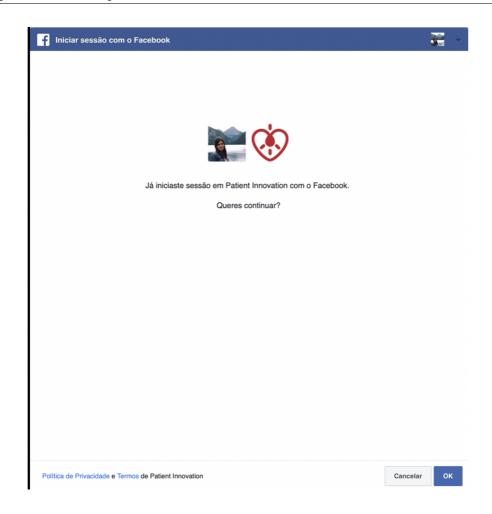


FIGURE 3.10: Log in with Facebook account

(b) If the registration process was done by e-mail account: log in with user's e-mail account.

Insert username or e-mail address and password.

Click on the red **Log in** button (Figure 3.8) or **Log in with email** button (Figure 3.9).

3.2.3 Restrictions

• If the user enters the wrong username/e-mail address or password:

It will appear the following message: "Sorry, unrecognized username or password. Have you forgotten your password?" at the top of the Login/Registration page (Section 2.2). If the user forgot the password, he/she can recover

it by click on the "Have you forgotten your password?" hyperlink in the previous message (see section 3.3).

3.2.4 Input information

The information required depends on the registration option:

- Facebook: e-mail account and password of Facebook account.
- E-mail account: username or e-mail and password.

3.2.5 Output information

Date and time he/she logged in to the platform (register in the database).

3.3 Recovering password process

3.3.1 Prerequisite

The user needs to be registered on the platform (see section 3.1).

3.3.2 Process

- 1. Click/Pass the mouse on Log in/ Register.
- 2. Click on "Forgot your password?" hyperlink near to the red Log in button (Figure 3.8, 3.9). This hyperlink redirects the user to a page to request a new password (Figure 3.11).

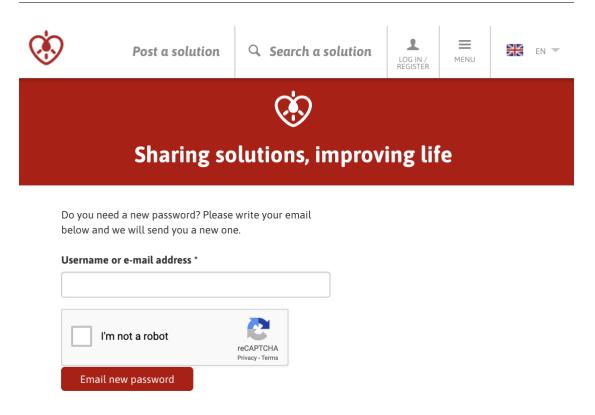


FIGURE 3.11: Recover password page

- 3. The user needs to enter the username or e-mail address registered and click on "I'm not a robot".
- 4. Press the **Email new password** button.

When the username/email is already registered, the user will be redirected to the Login/Registration page. At the top of this page it will appear a message informing the user to follow the instructions sent to the email address.

- 5. The user needs to go to the email and open the email "Replacement login information for (username) at Patient Innovation" (Figure 3.12).
- 6. Click on the link in the email.
- 7. A new tab will open to define a new password. The user needs to fill the camps: "password" and "confirm password" and then needs to press on the **Log in** button (Figure 3.13).

The user will be redirected to the user's profile page.

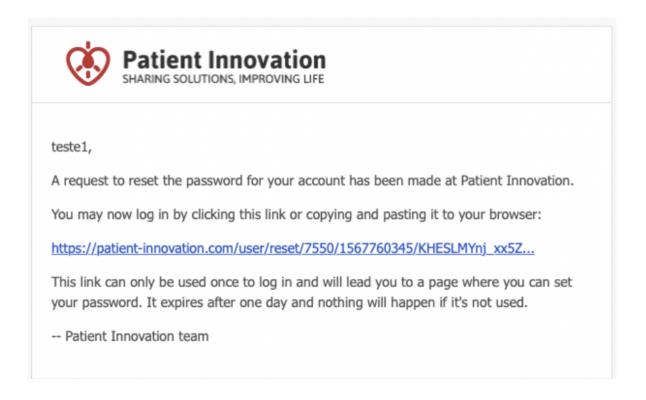


Figure 3.12: Email to request new password

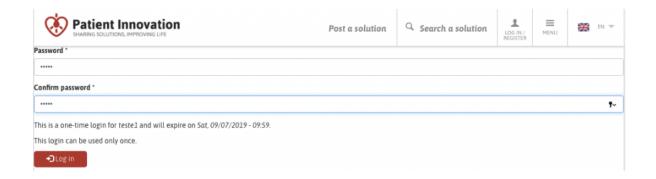


Figure 3.13: Redefine a new password

3.3.3 Restrictions

- If the user is not registered:
 - It will appear the following message: "Sorry, (username/e-mail address) is not recognized as a user name or an e-mail address", at the top of the recovering password page (Figure 3.11).
- If the password and confirm password camps do not match:

The camps must match, if not an alert message will appear at the top of the recovering password page (Figure 3.11).

• If the user tries to use the password recovery link available in the email more than once:

After clicking on the **Log in** button on the redefine new password page (Figure 3.13), the user is redirected to the recovering password page (Figure 3.11) and at the top of the page it will appear the following message: "You have tried to use a one-time login link that has either been used or is no longer valid. Please request a new one using the form below."

• If the user clicks in the password recovery e-mail link and another user account has an open session on the platform:

A message will appear at the top of the Homepage saying that another user has an open session and needs to log out. The user can click on **Log out** hyperlink in the message to close the session and after that the site redirects the user to the Recovering password page.

3.3.4 Input information

The information needed is: Username or e-mail address registered.

3.3.5 Output information

None (The passwor is not saved in the database).

3.4 Change email and/or password process

3.4.1 Prerequisite

The user needs to be registered on the platform (see section 3.1) and logged in.

3.4.2 Process

- 1. Log in to the platform (see section 3.2).
- 2. Press the **Profile** button (Figure 3.14).



FIGURE 3.14: Profile button on the Header

3. The user has to choose the **Settings** section from the user's profile page (Figure 3.15).

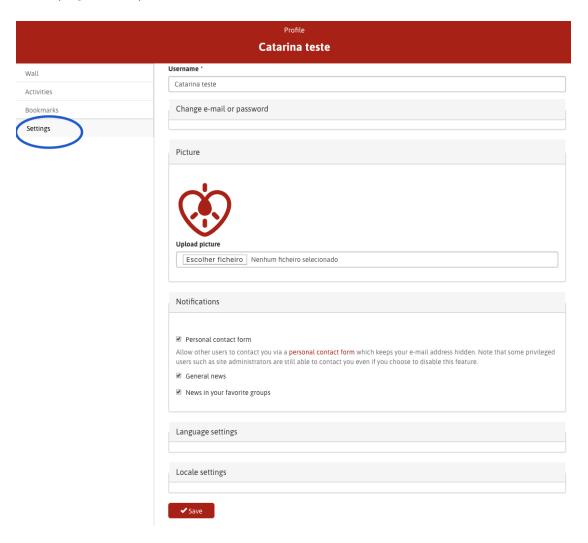


FIGURE 3.15: Settings from the profile page

- 4. Click on the **Change e-mail or password** section (Figure 3.15).
- 5. To change the e-mail or password the user also has to fill the **Current** password field and then (Figure 3.16):
 - For changing the e-mail: the user also has to fill the **E-mail address*** field.
 - For changing the password: the user has to fill the **Password** and **Confirm Password** fields.

The user can also press the **Conect** button from Facebook to login with the Facebook account instead of a password (The profile picture will also be import from the Facebook page). To undo this operation the user has to click on the **More info** button (Figure 3.17) and then click on the **Deauthorize** button (Figure 3.18). The user has to set a password, otherwhise he/she will not be able to log in.

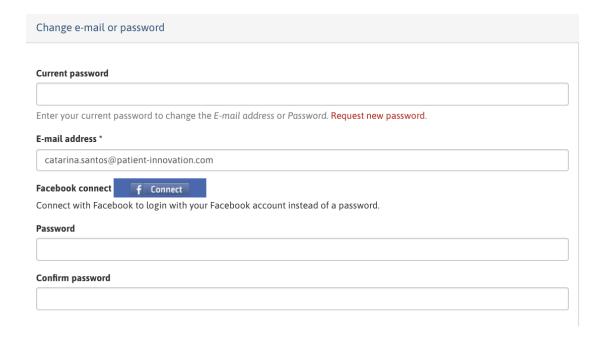


FIGURE 3.16: Change e-mail or password

Change e-mail or password
Current password
Enter your current password to change the E-mail address or Password. Request new password.
E-mail address *
catarina.santos@patient-innovation.com
Facebook connect Your account is connected with Facebook (More info)
Password
Confirm password

Figure 3.17: disconnect your account from Facebook - part 1

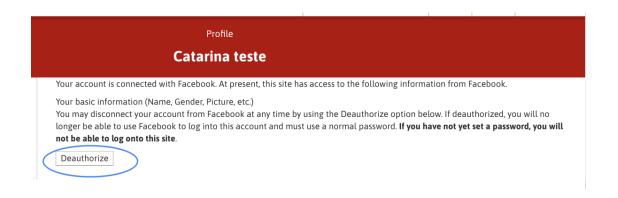


Figure 3.18: Disconnect your account from Facebook - part 2

6. Press the **Save** button at the end of the page.

3.4.3 Restricions

• If the user tries to change the password/email but does not fill the **Current password** field, the respective following message appears at the top of the profile page:

"Your current password is missing or incorrect; it's required to change the Password."

"Your current password is missing or incorrect; it's required to change the E-mail address."

• If the user tries to change the email address to one that is already taken:

"The e-mail address [email] is already taken."

3.4.4 Input information

Current password and depending of the operation new password or email.

3.4.5 Output information

If the user changed the email address, this field will be updated in the database.

Chapter 4

Processes: Profile operations

This section aims to explain in detail all the processes that the user can perform on the platform regards to the user profile:

- Edit Username;
- Change Picture;
- Language setting;
- Locale settings

4.1 Edit Username

4.1.1 Prerequisite

The user needs to be registered on the platform (see section 3.1) and logged in.

4.1.2 Process

1. Log in to the platform (see section 3.2).

- 2. Press the **Profile** button (Figure 3.14).
- 3. The user have to choose the **Settings** section from the user's profile page (Figure 3.15).
- 4. Change the **Username** field (Figure 4.1).



FIGURE 4.1: Change the username

5. Press the **Save** button at the end of the page.

4.1.3 Restricions

If the user choose an username that already exists, the following message will appear: "The name [username] is already taken." and the user has to choose another username.

4.1.4 Input information

New username.

4.1.5 Output information

New username.

4.2 Change Picture

4.2.1 Prerequisite

The user needs to be registered on the platform (see section 3.1) and logged in.

4.2.2 Process

- 1. Log in to the platform (see section 3.2).
- 2. Press the **Profile** button (Figure 3.14).
- 3. The user has to choose the **Settings** section from the user's profile page (Figure 3.15).
- 4. Upload a picture in the **Picture** field (Figure 4.2) (Pictures larger than 1024x1024 pixels will be scaled down).

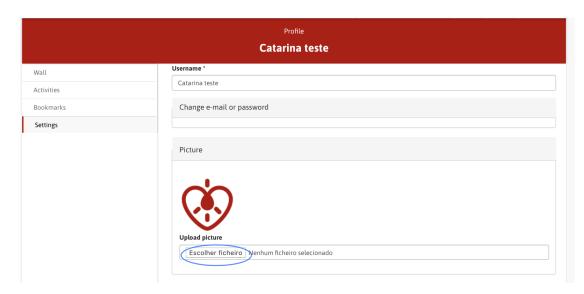


FIGURE 4.2: Change the User profile picture

5. Press the **Save** button at the end of the page.

4.2.3 Restricions

None.

4.2.4 Input information

Image.

4.2.5 Output information

Image.

4.3 Language setting

4.3.1 Prerequisite

The user needs to be registered on the platform (see section 3.1) and logged in.

4.3.2 Process

- 1. Log in to the platform (see section 3.2).
- 2. Press the **Profile** button (Figure 3.14).
- 3. The user has to choose the **Settings** section from the user's profile page (Figure 3.15).
- 4. Press the Language settings button.
- 5. Select one of the idioms available (Figure 4.3). The language selected will be the default language for the site and for the emails received from PI.

Language settings	
Language	
English	
 Portuguese, Portugal (Português) 	
German (Deutsch)	
○ Chinese, Simplified (简体中文)	

FIGURE 4.3: Change the Language settings

6. Press the **Save** button at the end of the page.

4.3.3 Restricions

None.

4.3.4 Input information

None.

4.3.5 Output information

None.

4.4 Locale setting

4.4.1 Prerequisite

The user needs to be registered on the platform (see section 3.1) and logged in.

4.4.2 Process

- 1. Log in to the platform (see section 3.2).
- 2. Press the **Profile** button (Figure 3.14).
- 3. The user has to choose the **Settings** section from the user's profile page (Figure 3.15).
- 4. Press the Locale settings button.
- 5. Select the time zone (Figure 4.4).



FIGURE 4.4: Change the Locale settings

6. Press the **Save** button at the end of the page.

4.4.3 Restricions

None.

4.4.4 Input information

None.

4.4.5 Output information

None.

Chapter 5

Processes: Solution-based actions

5.1 Submit solution process

5.1.1 Prerequisite

Registration in the platform and the user must be logged in to the platform.

5.1.2 Process

- 1. Log in to the platform (see section 3.2).
- 2. Click on **Post a solution** button on the header (Figure 5.1).



Figure 5.1: Post a solution button on Header

- 3. The user is redirected to the post a solution page (Figure 2.9). He/she must fill the following fields to publish a solution:
 - Solution Title (mandatory text field) where the user can indicate what the solution is about and that distinguishes it from other solutions.

- Solution Description (mandatory text field) where the user can describe the solution. In the case of a solution, the description must include a short story of the author's solution, in order to understand if the solution was in fact developed by a patient, caregiver or collaborator.
- **About you** (mandatory text field) where the user can describe a short story of the author's solution, in order to understand if the solution was in fact developed by a patient, caregiver or collaborator.
- You are a (mandatory choice field) where the user can describe his/her situation as user on the platform. The user can be:
 - Patient I developed a solution for myself
 - Caregiver I developed a solution for a love one
 - Collaborator I developed a solution for someone who ask me for help
 - Healthcare Professional
 - Healthcare Industry
 - Academia
 - Students' Projects
 - Other I found a solution and want to share it with the community
- Images (non mandatory file upload field) a user can add images to illustrate a solution (png, gif, jpeg and jpg, under 20M). The user needs to click on the Upload button after choosing the file.
- Video links (non mandatory file upload field) a user can add youtube or vimeo files.
- **Documents** (non mandatory file upload field) a user can add images to illustrate a solution (txt, pdf, pps, ppt, doc, xls under 20M). The user needs to click on the Upload button after choosing the file.

The user is redirected to his/her profile page. At the top of the activities page it will appear the following message: "Your solution was successfully shared with

Patient Innovation team. As soon as it is reviewed we will send you an email." (Figure 2.16).

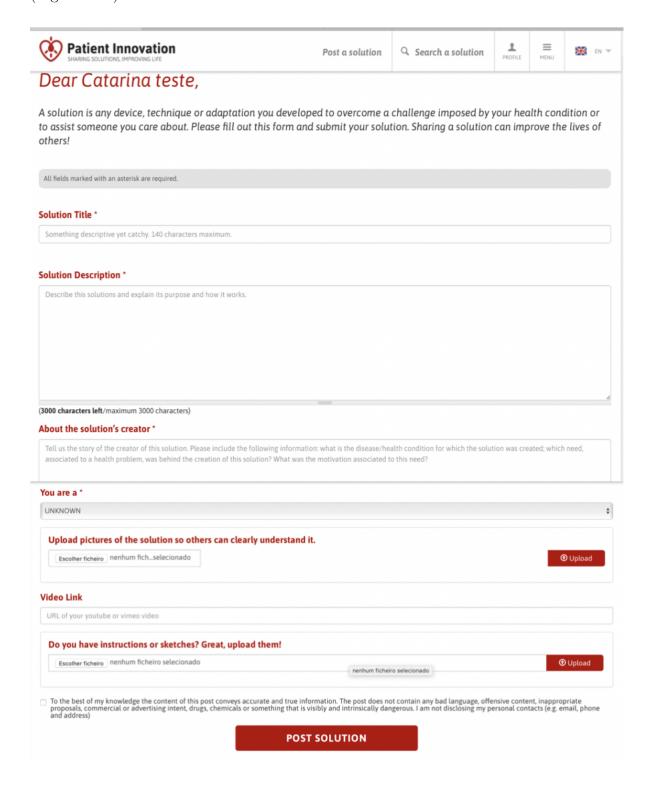


FIGURE 5.2: Post a solution page

5.1.3 Restrictions

- If the required fields are not filled in:
 - "Solution Description field is required."
 - "Solution Title field is required."
 - "About the solution's creator field is required."
 - "You must agree with these terms to publish the solution."
 - "The specified file [document name] could not be uploaded. Only files with the following extensions are allowed: png gif jpg jpeg."
 - "The selected file [document name] cannot be uploaded. Only files with the following extensions are allowed: txt, pdf, pps, ppt, doc, xls."

5.1.4 Input information

The following information is required to the user:

- User's post title
- User's post description
- User's post description about the innovator
- User's post author's characterization
- User's post images
- User's post documents

5.1.5 Output information

Every time a user registers at the platform a new entry is created in the user's database (visible in the back office). The following features about a new user are automatically addressed in the database:

Output of this operation:

- User's post title
- User's post type
- User's post description
- User's post description about the innovator
- User's post author's characterization
- User's post images
- User's post documents
- Post's author
- Date and time the post was submitted into the platform
- The original language a user used to write the post

5.2 Add and Remove Bookmark topics

5.2.1 Prerequisite

The user needs to be registered on the platform (see section 3.1) and logged in.

5.2.2 Procedure

The bookmarks are the tags page that the PI team defines for the solutions. When the user adds a tag to his/her bookmarks, the user will receive solution suggestions related to that tag on the **Wall** section of his/her **Profile** (Figure 5.3).

The user can see different aways of accessing the tags page in section 2.7.

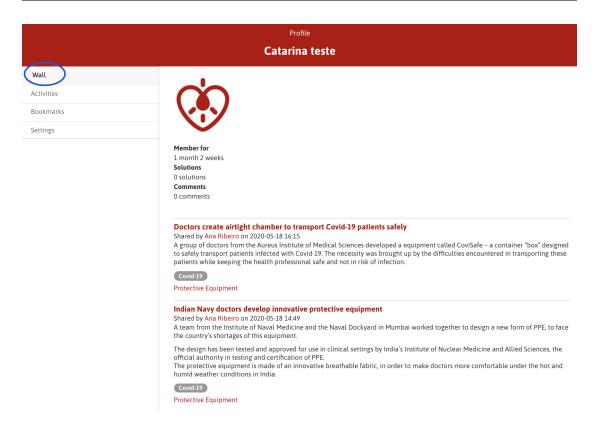


Figure 5.3: Profile page - Wall

In this section we consider one of the methods available:

- 1. Log in to the platform (see section 3.2).
- 2. Choose one category from the Explore solutions by the following categories (Figure 5.4).

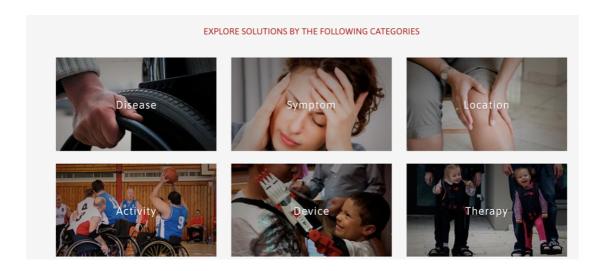


Figure 5.4: Explore solutions by categories

3. Search for a condition in this category or choose one of the available solutions and click on one of the tags (Figure 5.5).

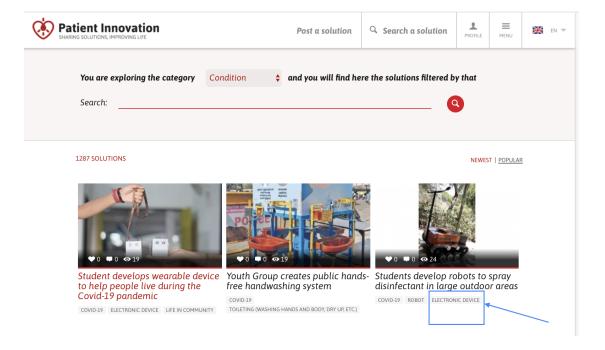


FIGURE 5.5: Tags page

4. On the tags page, the user can view all the solution or forum topics associated with the tag and can mark the tag by clicking the **Follow group** button (Figure 5.6 - number 2).

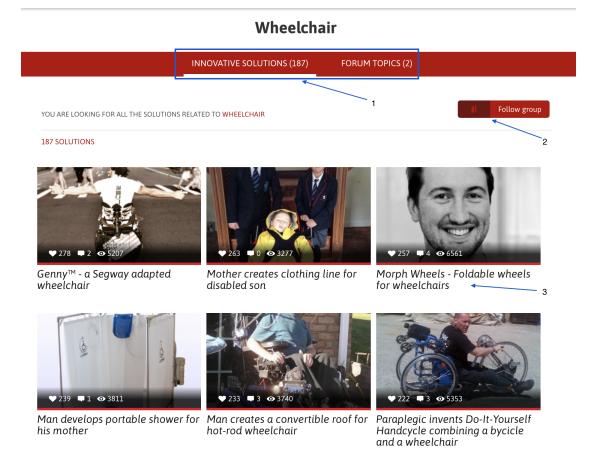


FIGURE 5.6: Follow group

To see the tags added, the user has to:

• Click on the **Profile** page on the Header.



FIGURE 5.7: Profile button

• Select the **Bookmarks** section (Figure 5.8). In this section, the user has all the tags added.

To remove a tag, the user has to press the **Unfollow group** button of the respective tag.



Figure 5.8: Profile page - Bookmarks

5.3 Comment solutions and reply to other comments

5.3.1 Prerequisite

The user needs to be registered on the platform (see section 3.1) and logged in.

5.3.2 Procedure

The procedure to comment is:

- 1. Log in to the platform (see section 3.2).
- 2. Search a solution (see sections: 2.5, 2.6, 2.7).
- 3. Open the solution page (see section 2.8).
- 4. At the end of the page the user has a section to write a comment (Figure 5.9).
- 5. Press the checkbox **I'm not a robot** (Figure 5.9).
- 6. Press the **Post comment** button.

─ Comments (0)

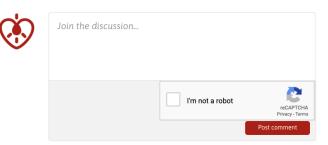


FIGURE 5.9: Comment a solution

The procedure to reply to other comments is:

- 1. Log in to the platform (see section 3.2).
- 2. Search a solution (see sections: 2.5, 2.6, 2.7).
- 3. Open the solution page (see section 2.8).
- 4. If there are already comments on the solution, the user can press the **reply** button of the respective comment (Figure 5.10).
- 5. Write his/her comment (Figure 5.11).
- 6. Press the checkbox **I'm not a robot** (Figure 5.11).
- 7. Press the **Post comment** button.

─ Comments (8)

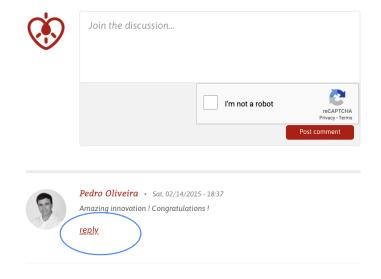


Figure 5.10: Reply comment -step 1

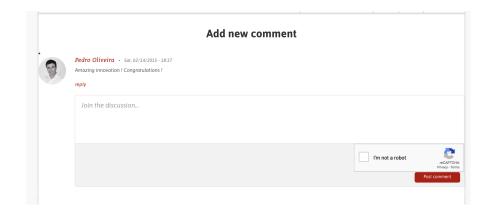


Figure 5.11: Reply comment -step 2

5.3.3 Restrictions

None.

5.3.4 Input information

Comment

5.3.5 Output information

Output of this operation:

- Comment content
- Comment Author
- Comment date
- Post title where the comment was done
- Post ID where the comment was done

5.4 Share solutions

5.4.1 Prerequisite

None.

5.4.2 Procedure

- 1. Search a solution (see sections: 2.5, 2.6, 2.7).
- 2. Open the solution page (see section 2.8).
- 3. At the top of the page the user has available three buttons to share the solution on Facebook, Twitter or Linkedin (Figure 5.12).

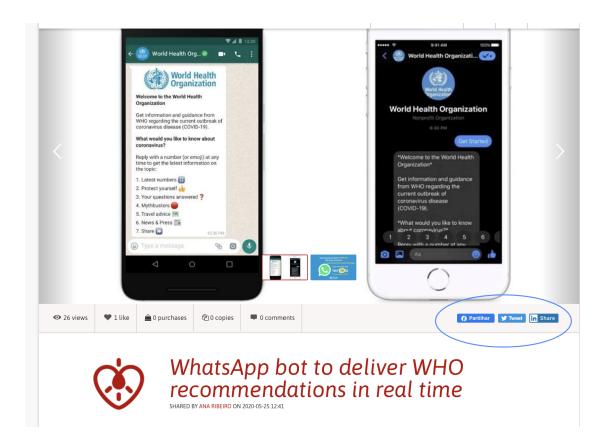


FIGURE 5.12: Share the solution on the social media

5.4.3 Restrictions

None.

5.4.4 Input information

None.

5.4.5 Output information

None.

5.5 Interaction buttons - like, buy or copy the solution

5.5.1 Prerequisite

None.

5.5.2 Procedure

- 1. Search a solution (see sections: 2.5, 2.6, 2.7).
- 2. Open the solution page (see section 2.8).
- 3. Press the Like solution, I bought this solution or I made a copy of this button, on the left of the page (Figure 5.13).



FIGURE 5.13: Interaction buttons

Note: If the user wants to undo his/her action, the user has to press the button again. After clicking the button, it starts working with the reverse action. Thus, the respective button names become:

- Dislike solution;
- I did not buy the solution;
- I did not make a copy of this

5.5.3 Restrictions

None.

5.5.4 Input information

None.

5.5.5 Output information

Increases one more to the following variables:

- Post Number of Likes
- Post Number of Copies Mafe
- Post Number of Units Bought

5.6 Report solutions

5.6.1 Prerequisite

The user needs to be registered on the platform (see section 3.1) and logged in.

5.6.2 Procedure

- 1. Log in to the platform (see section 3.2).
- 2. Search a solution (see sections: 2.5, 2.6, 2.7).
- 3. Open the solution page (see section 2.8).

4. Press the **Report solution** button, on the left of the page (Figure 5.14).

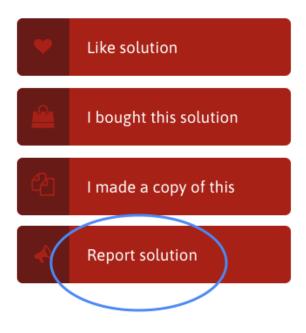


Figure 5.14: Report solution

- 5. Select the reason for reporting the solution or write in the open field (Figure 5.15).
- 6. Press the **Report solution** button from Figure 5.15.

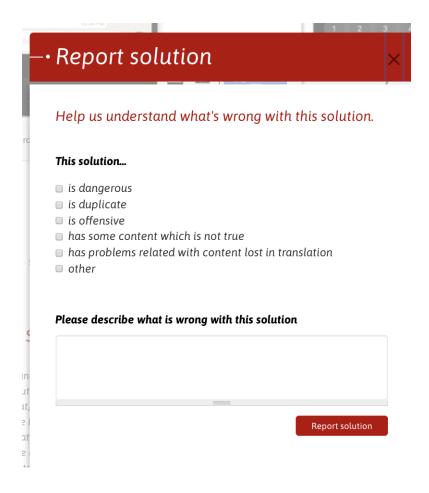


Figure 5.15: Reporting reasons

5.6.3 Restrictions

If the user is not logged in:

After pressing the **Report solution** button (Figure 5.14), the user is redirected to the login page (section 2.2).

5.6.4 Input information

Reporting reason.

5.6.5 Output information

Output of this operation:

- Report Reason
- Report Author
- Report Date
- Post ID
- Post title
- Report Description