A2: LEARNIT - USER INTERFACE PROTOTYPE

This user interfaces prototype (or horizontal prototype) has the following goals:

1. Help to identify and describe the user requirements, and raise new ones;
2. Preview and empirically test the user interface of the product to be developed;
3. Enable quick and multiple iterations on the design of the user interface.

This artefact includes three elements:

1. Overview of the interface elements and features common to all pages;
2. Overview of the information system from the viewpoint of the users (*sitemap*); and
3. Identification and description of the main interactions with the system, organized as sequences of screens (*storyboards*).

The interface's descriptions are presented on the end of the document.

1. INTERFACE AND COMMON FEATURES

LearnIt is a web application based on HTML5, JavaScript and CSS. The user interface was implemented using the Bootstrap framework (version 4.0). This framework simplifies the development of fluid layouts capable of adapting to various devices as the responsive part is already built in.
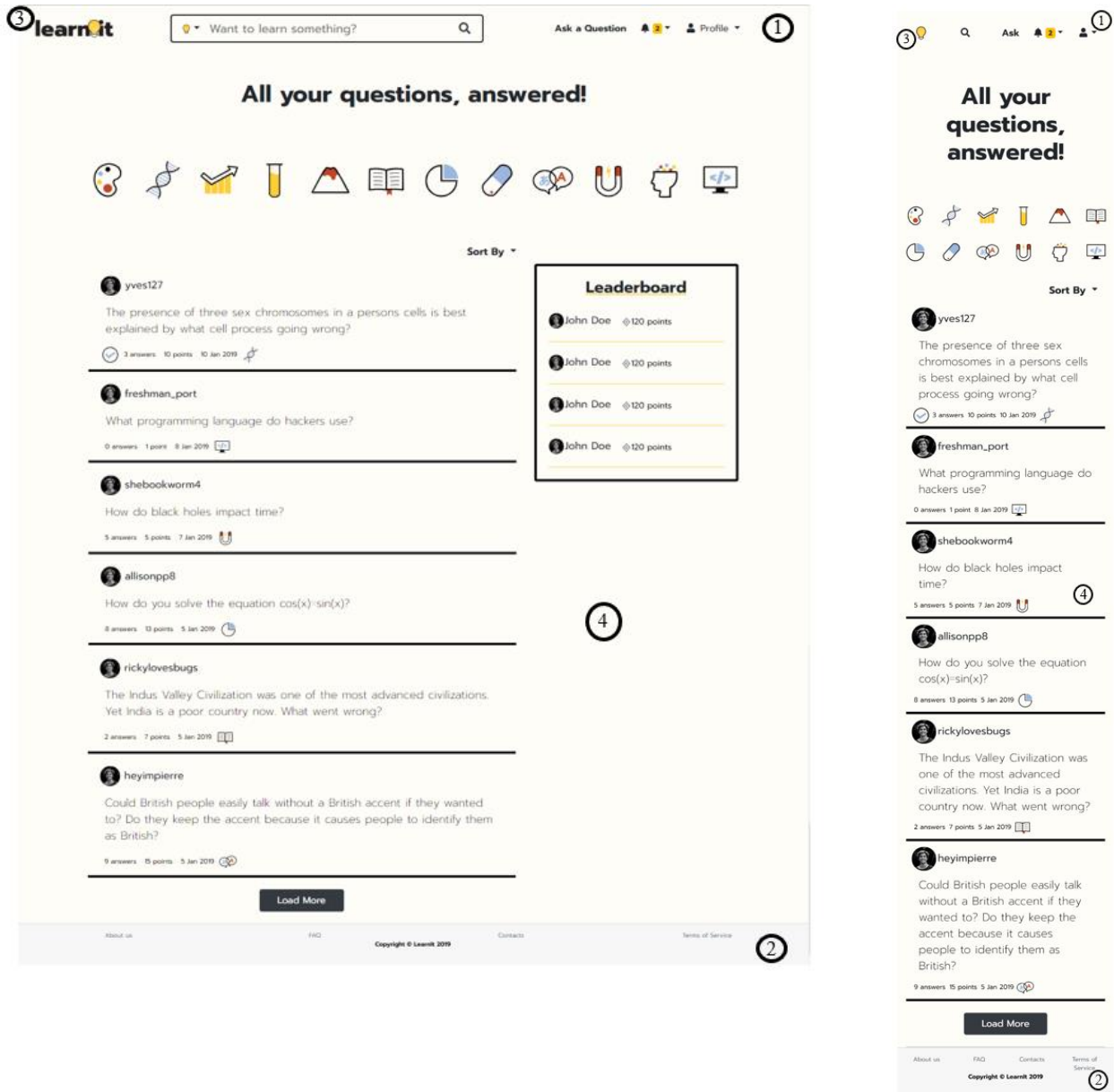

Fig 1. Interface's guidelines.

    1 – Navbar.

    2 – Footer.

    3 – Logo.

    4 – Content.

In general, the interface follows a minimalistic and content centered approach by reducing visual clutter as most as possible, while keeping a complete and intuitive experience. To accomplish this, it features some common elements, such as:

- Graphic and rich typography;
- Card based layouts, based on either lists or grids;
- Strategic use of non-neutral color, mostly yellow, used to highlight interactable content;
- Strategic use of black solid borders to catching users' attention;
- Icon based to make the website younger and more relaxed;
- The common links to the various pages maintain their position to make the user experience consistent.
- A white and black based color scheme in order to improve readability;
- Similar components across pages to provide a consistent user experience.

2. SITEMAP

A sitemap is a visual representation of the relationship between the different pages of a website that shows how all the information fits together. It gives the team an idea of how the website is going to be build by helping to clarify the information hierarchy. Below is the sitemap for **LearnIt**.
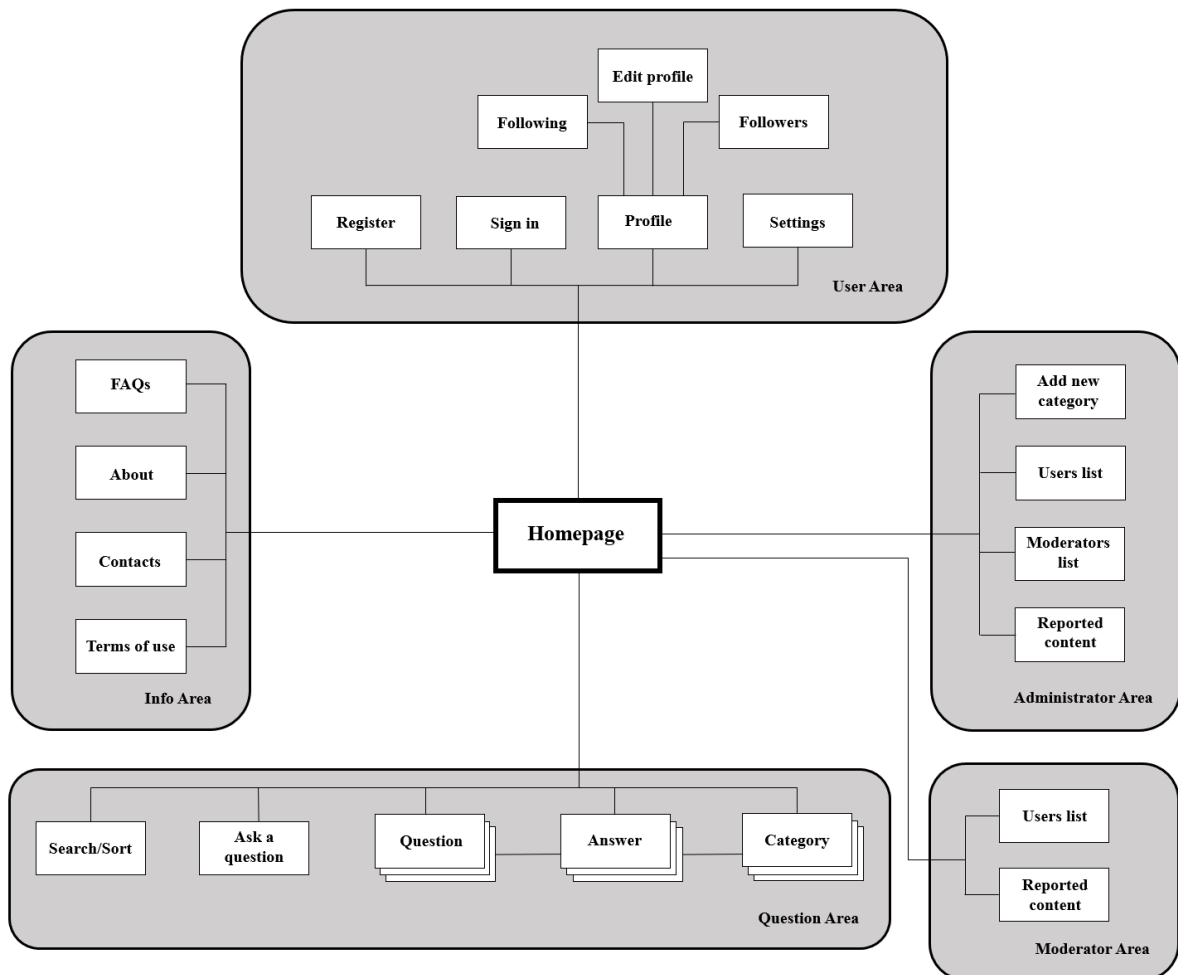
Fig 2. Sitemap.

3. STORYBOARDS

Storyboards are presented to represent some of the main interactions with the system using a sequence of interfaces and explaining how navigation is done between them.

SB1: Sign in/ Register

Fig 3. Wireflow for the sign-in and register interaction.

SB2: Profile
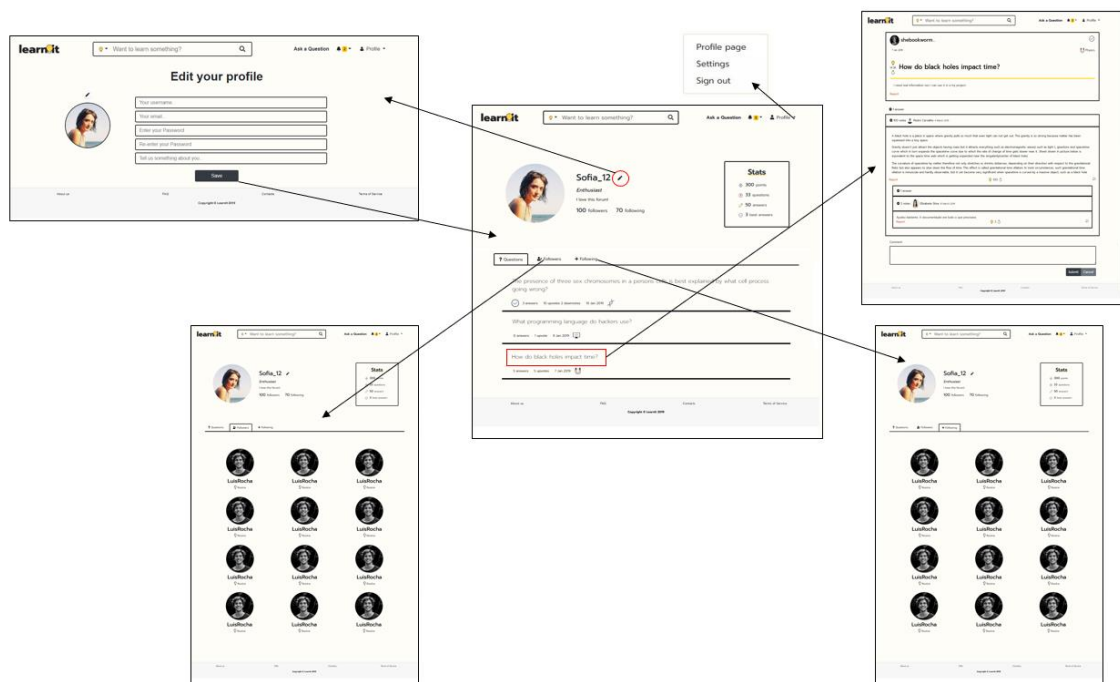
Fig 4. Wireflow centred on user's profile.

SB3: Question
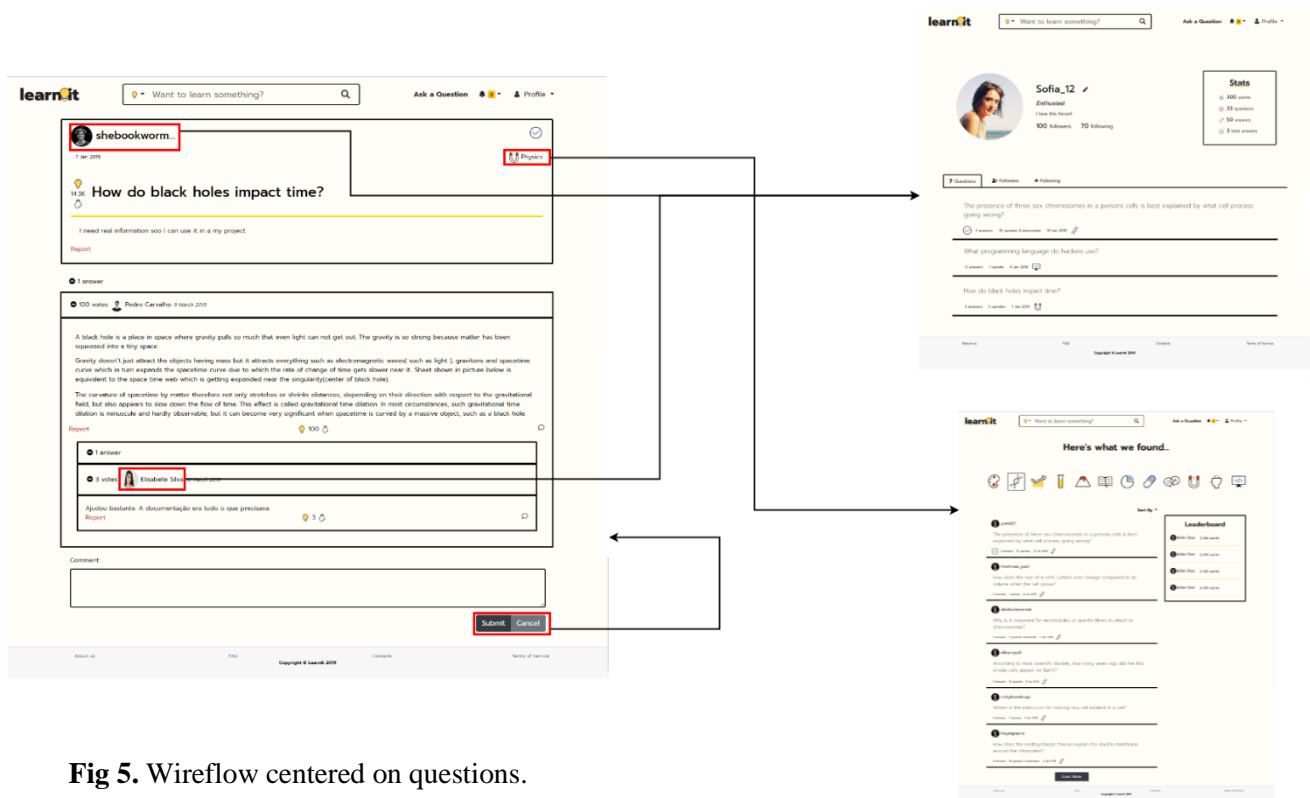
Fig 5. Wireflow centered on questions.

SB4: Admin area
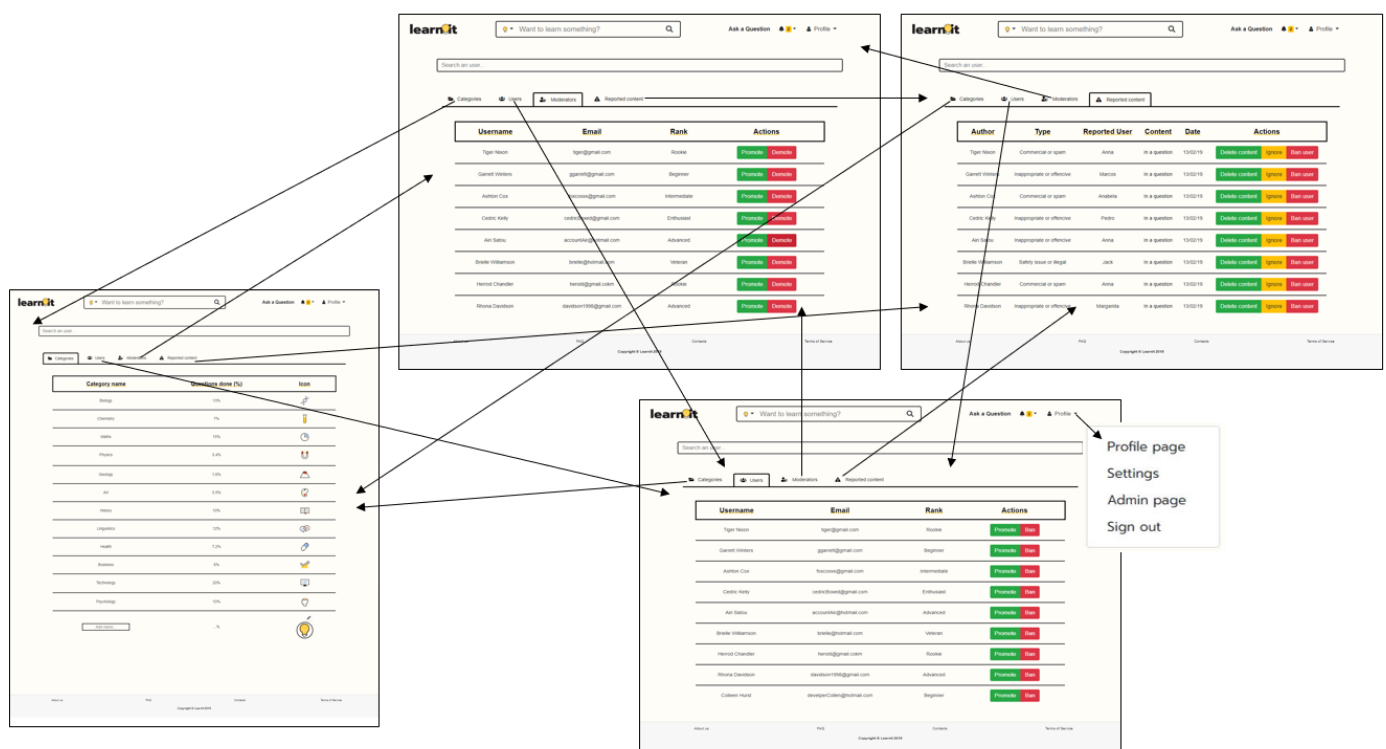
Fig 6. Wireflow centered on the admin's options.

SB5: Moderator area
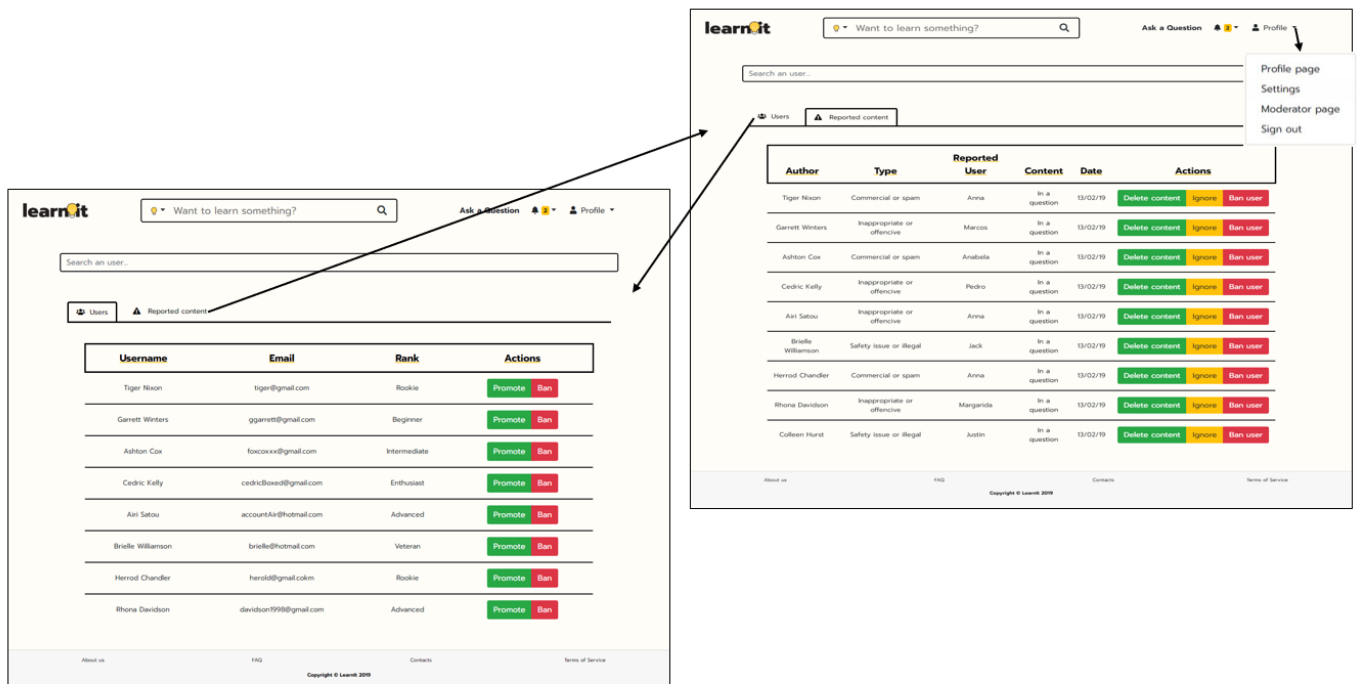
Fig 7. Wireflow centered on the moderators's options.

4. INTERFACES

The following interfaces describe the main content of the web pages and their relative priority, helping the team preview the features and behaviour of the final product's different screens.

UI01: Sign in
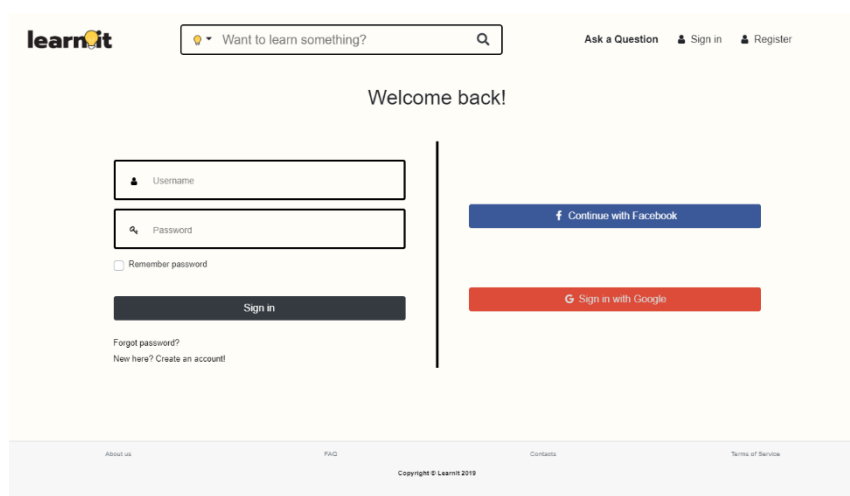
Fig 8. Sign in page, where users can authenticate.

Link: http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/login.html

UI02: Register

Fig 9. Sign up page, where users can register.

Link: http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/register.html

UI03: Recover password

Fig 10. Recover password page, where users can recover their password.

Link: http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/recoverPassword.html

UI04: Home
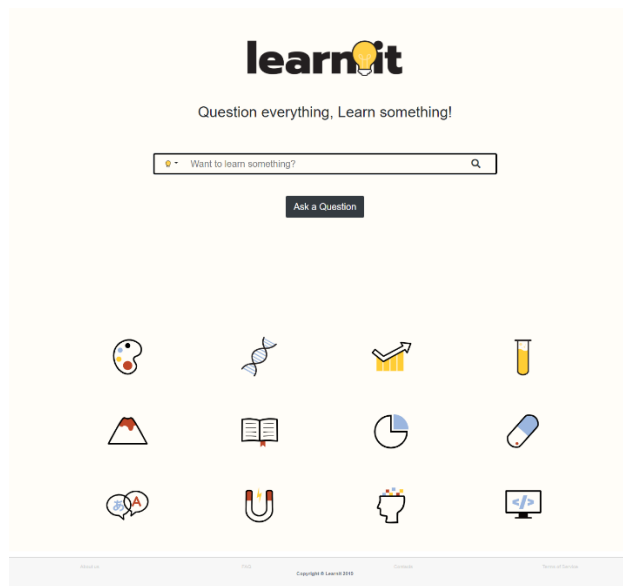
Fig 11. Home page, initial system's page.

Link: http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/home.html
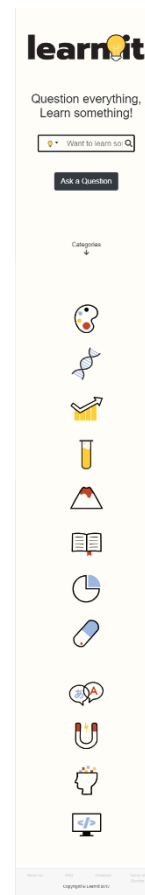
UI05: About
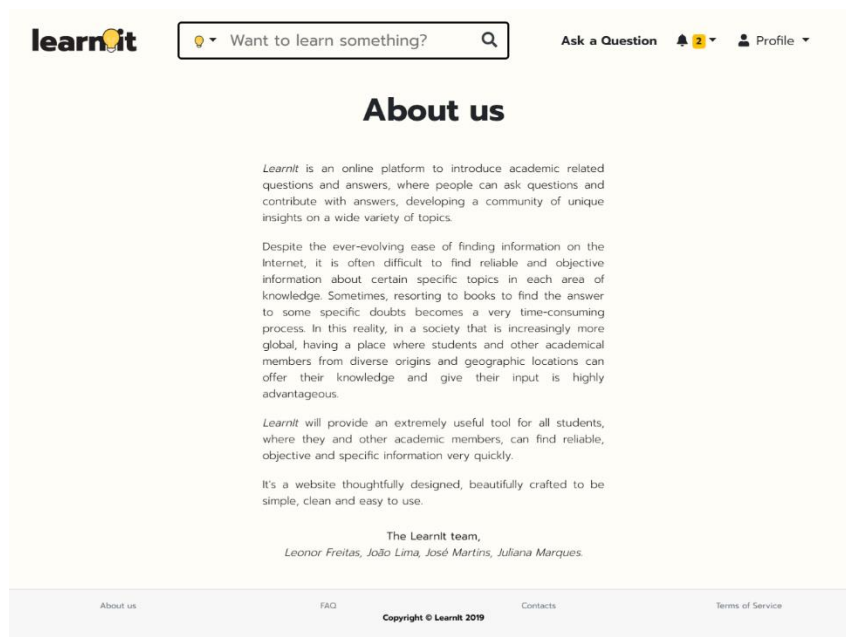
Fig 12. About page, where users can learn more about the website.

Link: http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/about.html

UI06: Terms of use

Fig 13. Terms of use page, where users can learn more about the terms of use of the website.

Link: http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/terms.html

UI07: FAQs

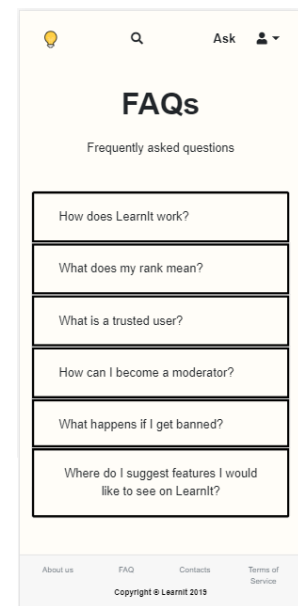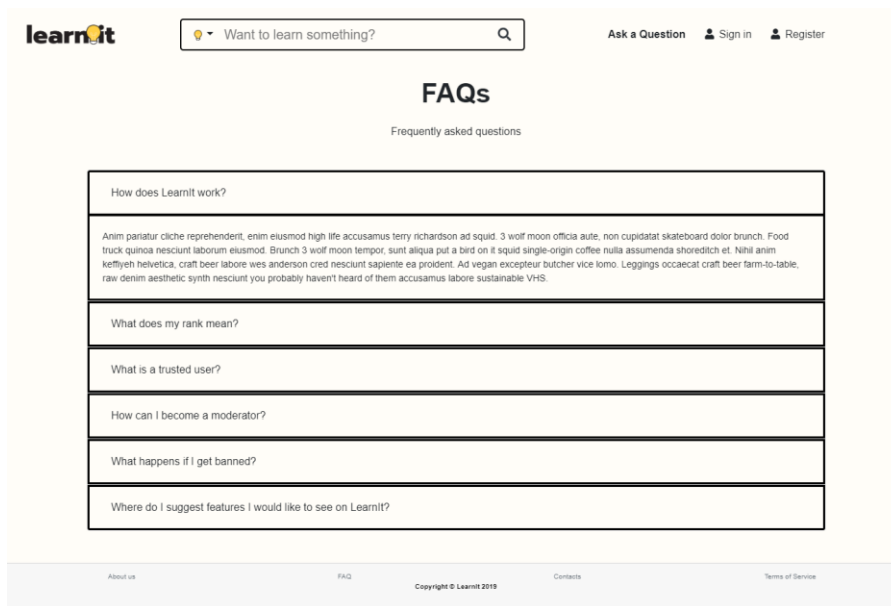**Fig 14.** Frequently asked questions page, where users can obtain frequently enquired information about the website.

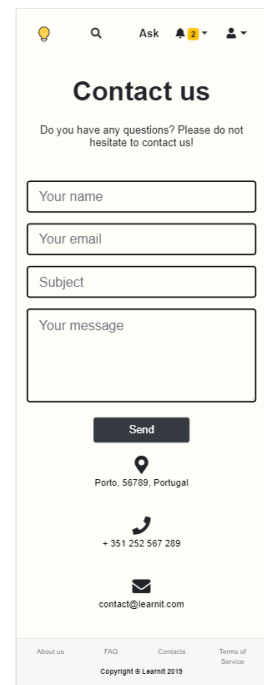**Link:** http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/faq.html
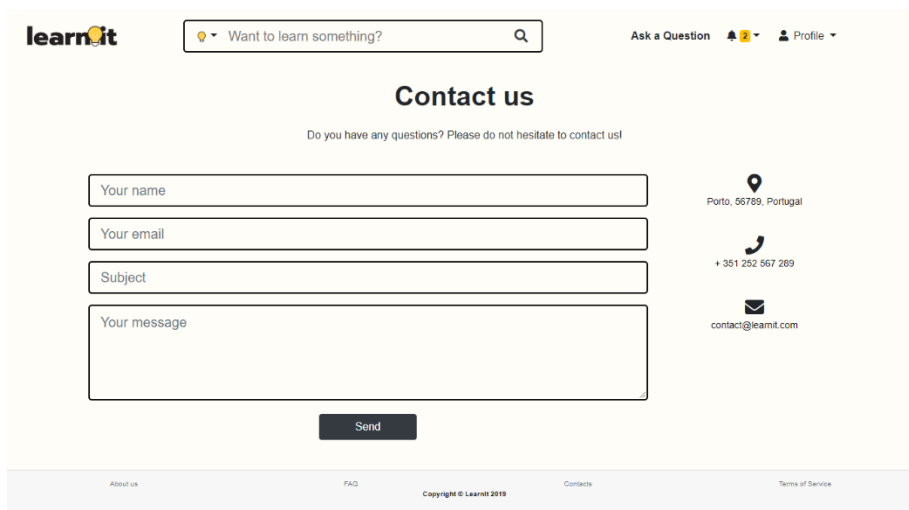
UI08: Contacts

Fig 15. Contacts page, where users can ask questions, make suggestions or complain about the service.
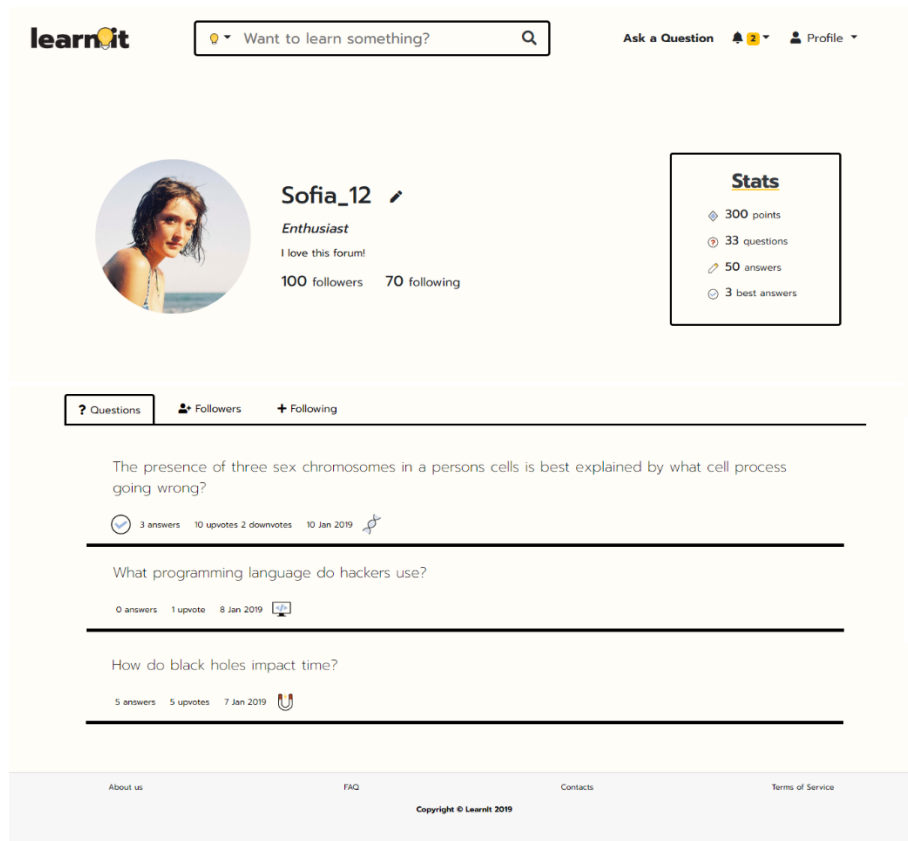
Link: http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/contacts.html

UI09: Profile

Fig 16. Profile page with asked questions, where users can can obtain all the public information about they.

Link: http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/profile.html
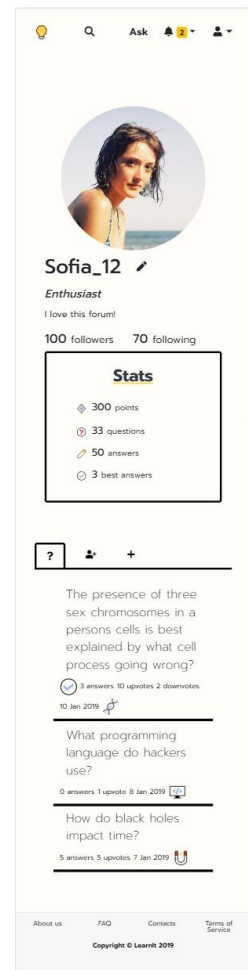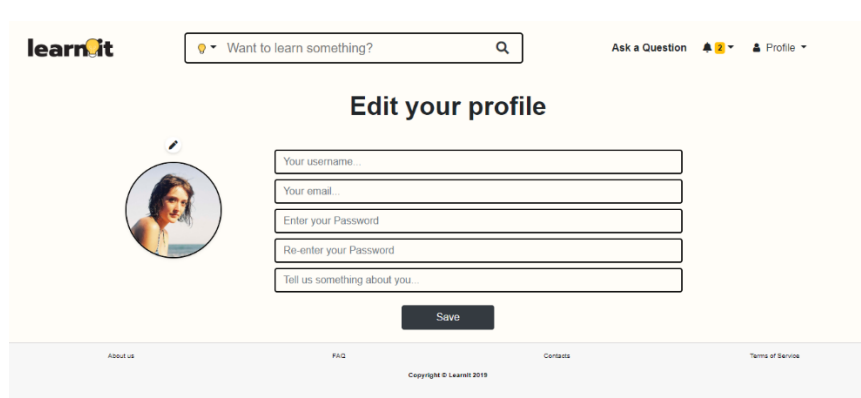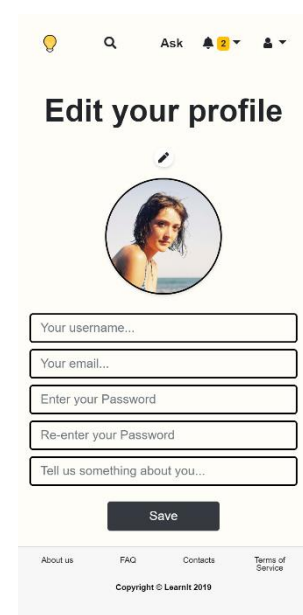
UI10: Edit profile

Fig 17. Edit Profile page, where members can update their account's information.

Link: http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/edit_profile.html
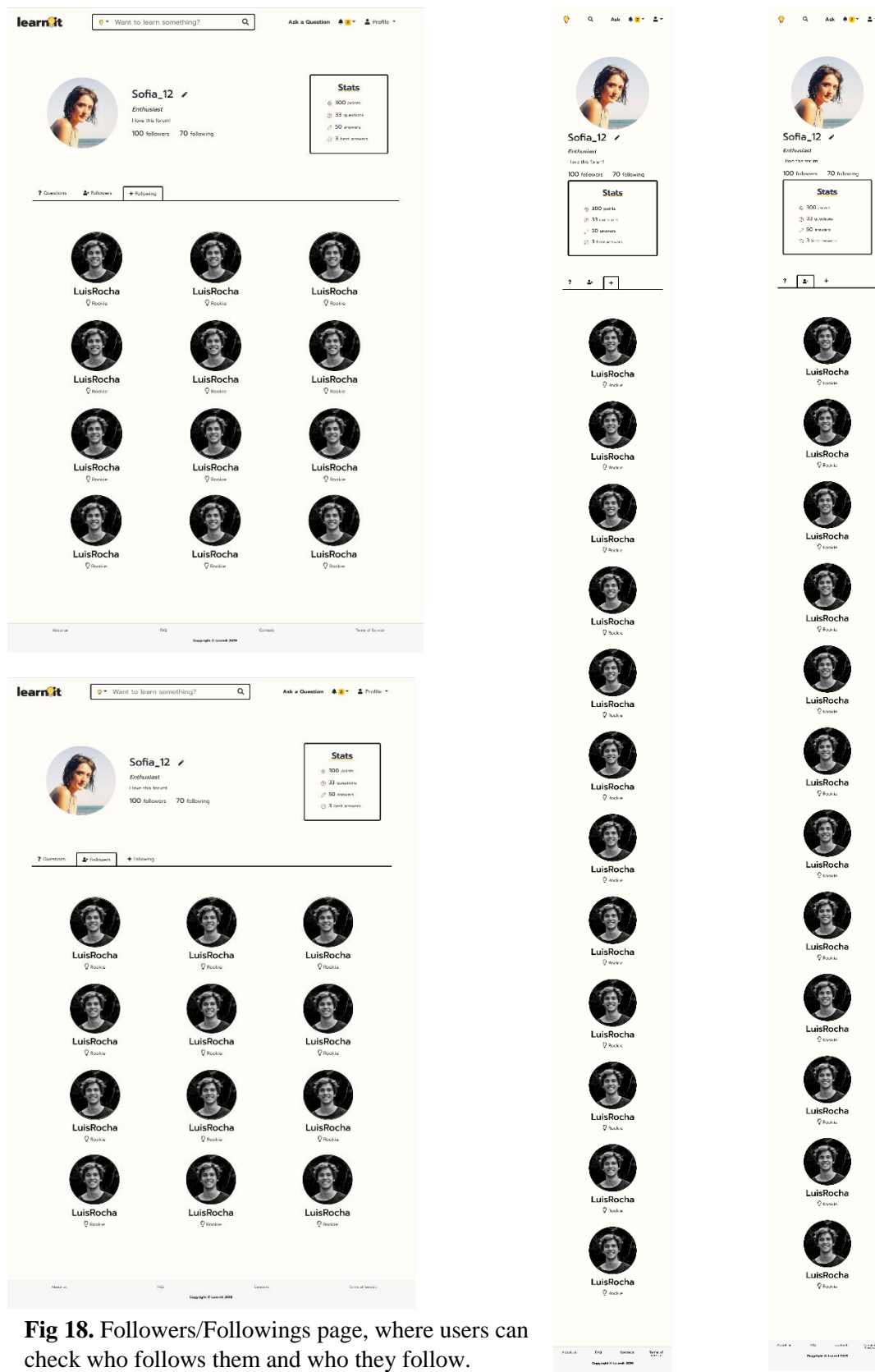
UI11: Following / Followers

Fig 18. Followers/Followings page, where users can check who follows them and who they follow.

Link: http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/profile.html

UI12: Admin – add category

learnit | Want to learn something? | Ask a Question 🔔2 👤 Profile ▾

Search an user...

📁 Categories | 👥 Users | 👤 Moderators | ⚠ Reported content

Category name	Questions done (%)	Icon
Biology	13%	
Chemistry	7%	
Maths	15%	
Physics	3,4%	
Geology	1,6%	
Art	5,5%	
History	10%	
Linguistics	12%	
Health	7,2%	
Business	0%	
Technology	20%	
Psychology	10%	
Add name...	%	

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💡 🔍 Ask 🔔2 👤▾

Search an user...

📁 👥 👤 ⚠

Category name	Questions done (
Biology	13%
Chemistry	7%
Maths	15%
Physics	3,4%
Geology	1,6%
Art	5,5%
History	10%
Linguistics	12%
Health	7,2%
Business	6%
Technology	20%
Psychology	10%
Add name...	...%

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UI13: Admin – users

learnit | Want to learn something? | Ask a Question 🔔2 👤 Profile ▾

Search an user...

📁 Categories | 👥 Users | 👤 Moderators | ⚠ Reported content

Username	Email	Rank	Actions
Tiger Nixon	tiger@gmail.com	Rookie	Promote Ban
Garrett Winters	ggarrett@gmail.com	Beginner	Promote Ban
Ashton Cox	foxcoxxx@gmail.com	Intermediate	Promote Ban
Cedric Kelly	cedricBoxed@gmail.com	Enthusiast	Promote Ban
Airi Satou	accountAir@hotmail.com	Advanced	Promote Ban
Brielle Williamson	brielle@hotmail.com	Veteran	Promote Ban
Herrod Chandler	herold@gmail.cokm	Rookie	Promote Ban
Rhona Davidson	davidson1998@gmail.com	Advanced	Promote Ban
Colleen Hurst	develperCollen@hotmail.com	Beginner	Promote Ban

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💡 🔍 Ask 🔔2 👤▾

Search an user...

📁 👥 👤 ⚠

Username	Email
Tiger Nixon	tiger@gmail.cor
Garrett Winters	ggarrett@gmail.cc
Ashton Cox	foxcoxxx@gmail.c
Cedric Kelly	cedricBoxed@gmail
Airi Satou	accountAir@hotmail
Brielle Williamson	brielle@hotmail.c
Herrod Chandler	herold@gmail.coi
Rhona Davidson	davidson1998@gma
Colleen Hurst	develperCollen@hotm

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UI14: Admin – moderators

UI15: Admin – reported content

Fig 19. Administration page, where the admin can manage all the users and moderators.

Link: http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/admin.html

UI16: Moderator – users

UI17: Moderator – reported content

Fig 20. Moderators page, where the moderators can manage all the users.

Link: http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/moderator.html

UI18: Ask a question

Fig 21. Ask a question page, where users can ask their questions.

Link: http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/ask.html

UI19: Topic (questions of a category)

Fig 22. Topic page, where a specific category's history can be seen in detail.

Link: http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/topic.html

UI20: Feed

Fig 23. Feed page, where users can look up anything in the system.

Link: http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/feed.html
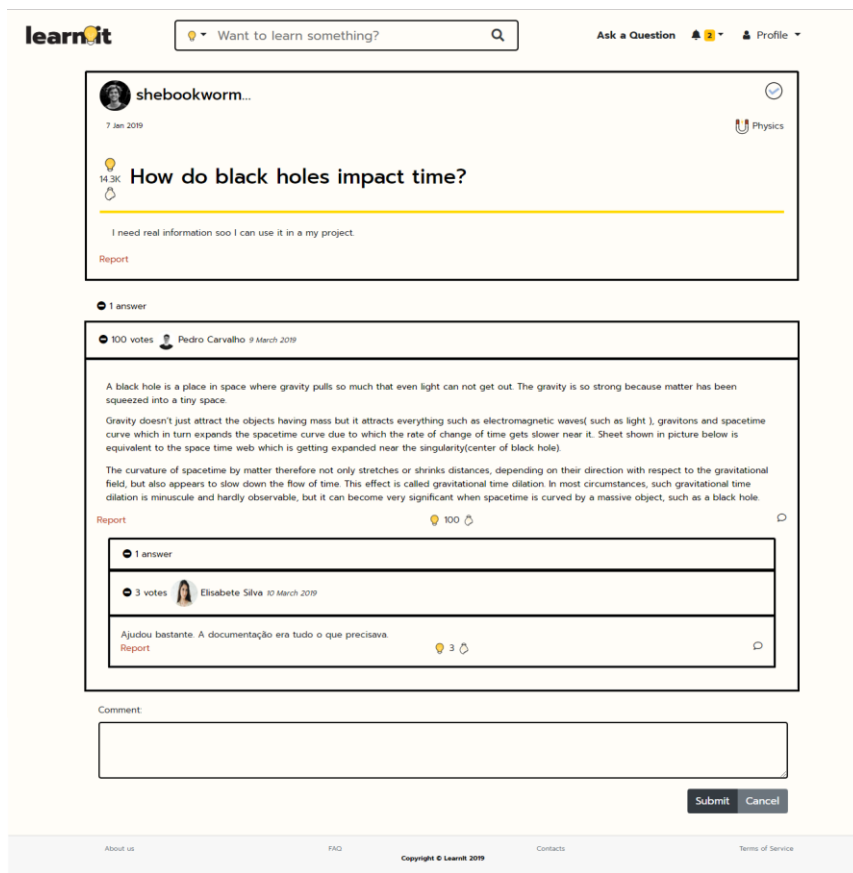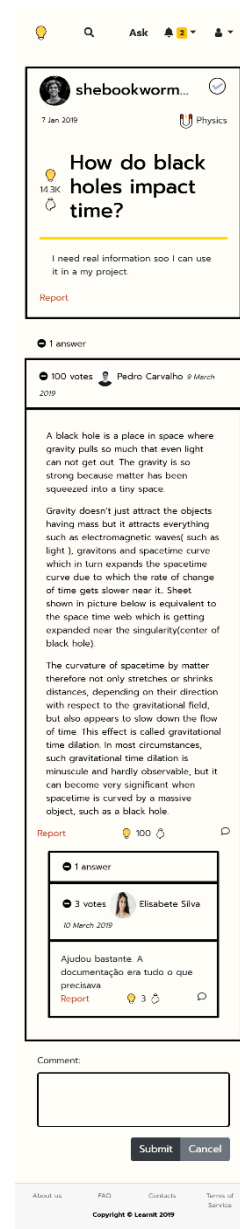
UI21: Question in detail

Fig 24. Question in detail page, where users can see answers, comments an also react to the question (vote/ answer).
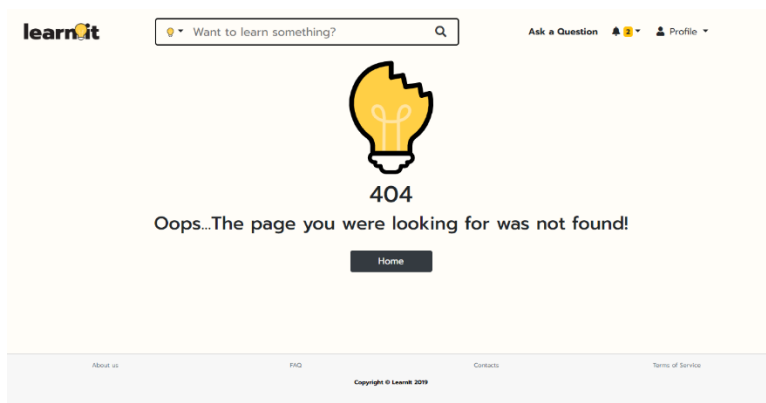
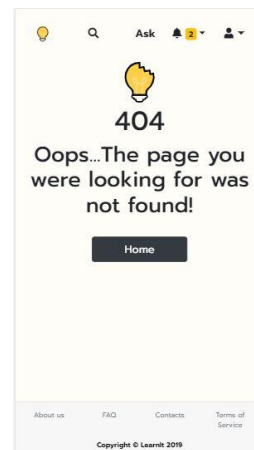**Link:** http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/questionDetail.html

UI22: 404

Fig 25. 404 page, the error page.

Link: http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/404.html

UI23: Settings

Fig 26. Settings page, where members can update their account's details.

Link: http://lbaw1834-piu.lbaw-prod.fe.up.pt/pages/settings.html

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