Guidance for My care shoe

Web Application users

COELHO João

INDEX

1. Application usage instructions

In order for the user to access the web application, he needs to access the address http://10.8.129.207/mycareshoewebsite/site/log_in.php.

1.1.Page structure and common pages

After this page loads, the structure of the login page shown in Figure 1, which is common to any other of this application, will be displayed, consisting of:

1. Header: where information such as telephone number, e-mail, address is presented, as well as the different menus that you will have access to, and which vary from user to user;
2. Body: where the body of the functionality relative to the chosen menu is presented;
3. Footer: where similar information to the one on the header is presented: quick links and contact information.

Figure 1 - Login page structure

In this page, it will be possible to log in to the application or proceed to the user registration.

In the case of registration, the user needs to enter a username and e-mail address which have not yet been entered. A valid email address consists of an email prefix and an email domain, both in acceptable formats, separated by the "@" symbol.

After this process, the user needs to obtain permission from the administrator to access this application. In addition, the user must have the profile of a healthcare professional or administrator.

On the other hand, there are two menus that are transversal to the whole application, with the user logged in or not: Contacts and About. In the contacts menu, the members belonging to the My care shoe project will be listed.

The About menu presented in Figure 2, on the other hand, will consist of two sections. In the "Why choose us" section, there will be reasons that explain the mindset used to develop the whole project, and in the "My care shoe APP" section, there will be a preview of the mobile application, as well as links to download it, and the user manuals for this application and the web application.

Figure 2 - About page

1.2.Healthcare professional view

In case the user can log in and is a health professional, Figure 3 will be displayed. In the header, different menu options will be presented, such as:

- All Patients: where all the patients entered in the database and their data will be listed. If the professional wants to access the patient's profile, the patient will need to click on the corresponding line of the table.

- Add a Patient: where the data of the patient who has just been registered will be added;

- Account settings: in this menu it will be possible to change the professional's username, e-mail and password;
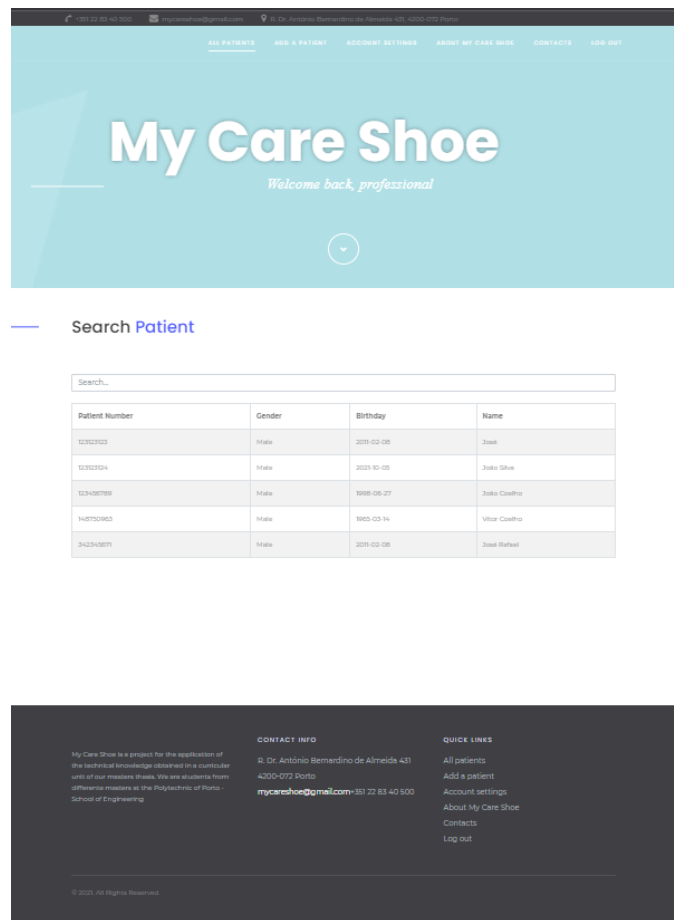

Figure 3 - All patients' page

After the professional clicks on a patient, the screen of Figure 4 will be displayed, with the following sections shown:

- Patient's Personal Information: the patient's profile details are shown, and through the "Edit patient information" button, it will be possible to edit this information;

- Warning specifications: where you can configure the parameters that will trigger a warning;

- Patient's statistics and warnings: in this section, the professional may access statistics or warnings within a chosen time interval.

Figure 4 - Patient specifications page

There are some restrictions regarding the inputs of some fields that are displayed in "Edit patient information" page, such as:

- Weight cannot be less than 20kg nor more than 700kg, as it is considered the range where the target population will be inserted;

- The height must be between 0.5m and 3m;

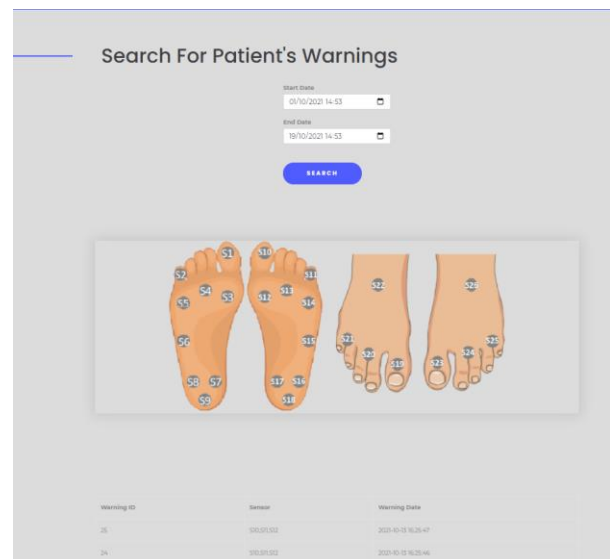- The foot size must be between 15 and 75 (using European foot size scale).

If the professional accesses the statistics or warnings, the pages will have the structure of Figure 5. Thus, it is possible to select the time interval and obtain the results produced in this same interval. In the case of statistics, 11 graphs identical to the one in Figure 5 (a) will be presented, referring to the variables: cadence, balance, steps, as well as left and right foot pressure sensors values, temperature, humidity, and stance time values.

In the warnings page, it will be first shown an image that locates the sensors according to the nomenclature presented in the table below, with the warnings register and the date of their creation.

(a)   (b)

Figure 5 - Searching functionality in: (a) - statistics; (b) - warnings

1.3. Administrator view

Once the administrator logs in, the options shown in Figure 6 will be displayed.
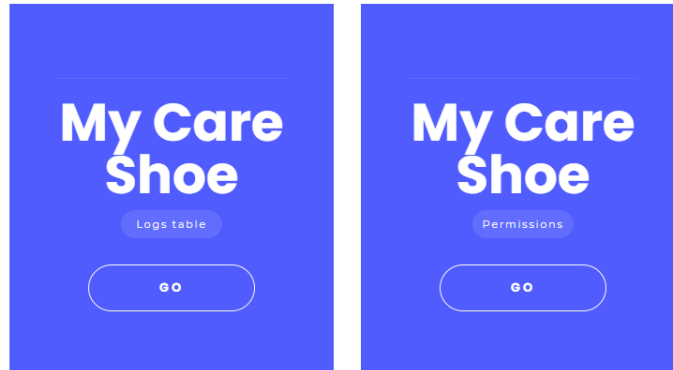

Figure 6 - Administrator operations page

On the "Logs table" page presented in Figure 7, the administrator can view the changes made to the users and personal information tables of the database, in a certain time interval. On the other hand, on the "Permissions" page represented in Figure 8, it will be possible to assign a profile to a registered user and give him access permissions.

Figure 7 - Logs table page

Figure 8 - User permissions page