



Guidance for My care shoe Web Application users

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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.

The image shows a web browser window displaying the 'My Care Shoe' login page. The page has a blue header with a navigation bar containing 'LOGIN', 'ABOUT MY CARE SHOE', and 'CONTACTS'. Below the header is a large blue section with the title 'My Care Shoe' and a subtitle 'We want to help you, we will analyze your patient's sensor readings, and guide you to a better diagnose'. This section is marked with a red box and the number '1'. Below this is a white section titled 'Account Login', which contains two input fields: 'Username/E-mail' and 'Password', both with placeholder text 'Enter your username / email' and 'Enter your password' respectively. Below the input fields are two buttons: 'SUBMIT' and 'SIGN UP'. This section is marked with a red box and the number '2'. At the bottom is a dark grey footer section containing three columns of text: 'My Care Shoe is a project for the application of the technical knowledge obtained in a curricular unit of our masters thesis. We are students from different masters at the Polytechnic of Porto - School of Engineering', 'CONTACT INFO' with address and email details, and 'QUICK LINKS' with 'About My Care Shoe' and 'Contacts'. This section is marked with a red box and the number '3'.

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.

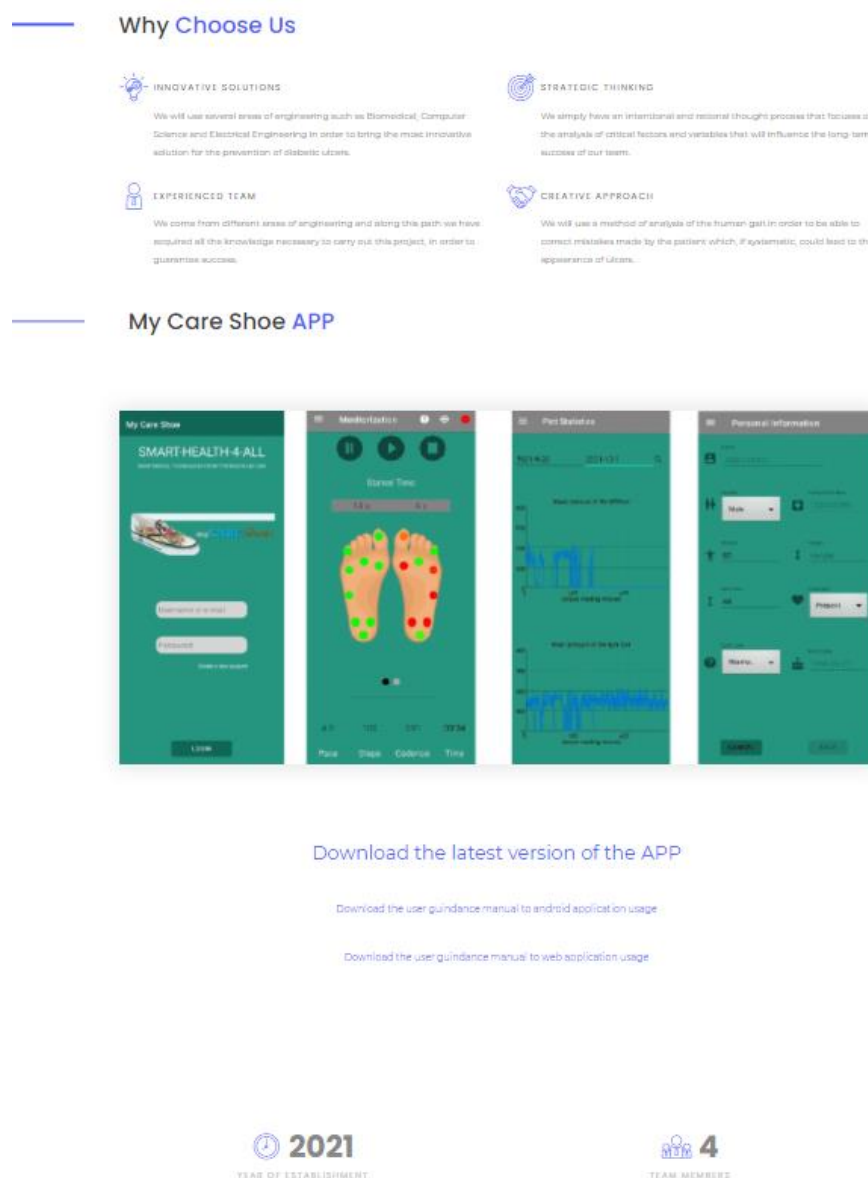


Figure 2 About page

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;

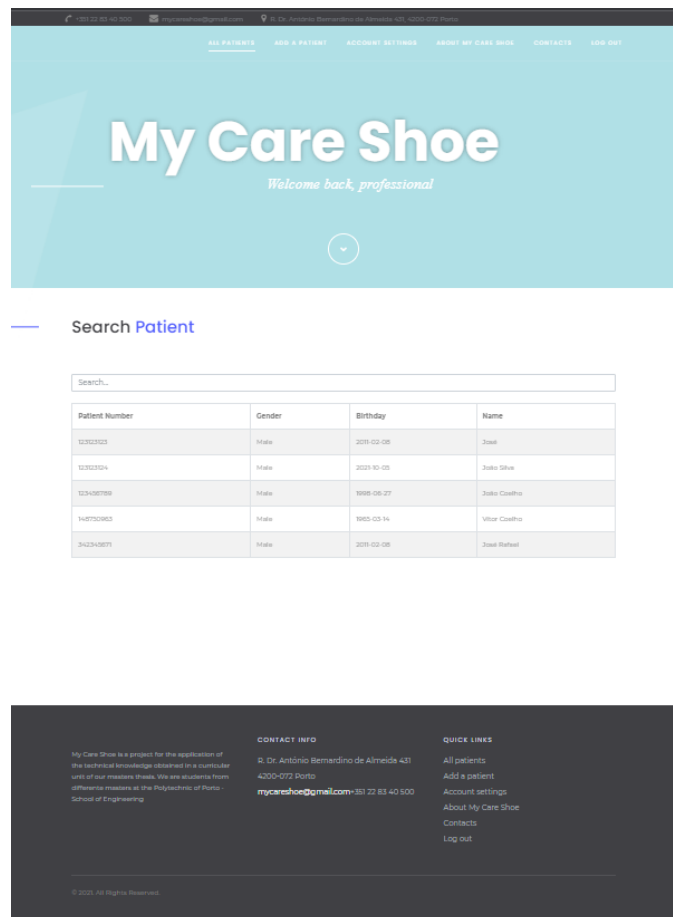


Figure 3 All patients' page

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.

ALL PATIENTS ADD A PATIENT ACCOUNT SETTINGS ABOUT MY CARE SHOE CONTACTS LOG OUT

My Care Shoe

We want to help you, we will analyze your patients sensor readings, and guide you to a better diagnosis

Patient's Personal Information

NAME John Doe	PATIENT NUMBER 123456789	SEX Male
BIRTH 1980/05/01	CURRENT Brazil	HEIGHT 1.80
WEIGHT 80	HAIR COLOR Blk	HAIR TYPE Short

EDIT PATIENT INFORMATION

Warnings Specifications

Hypertension Value (in mmHg)

Number of occurrences needed to create a warning

Time interval considered (in seconds)

SUBMIT

Check Here Your Patient Statistics And Warnings

Through this screen, you will be able to see the data registered by My Care Shoe, in a period of time chosen by you.

My Care Shoe

Statistics

SEARCH

My Care Shoe

Warnings

SEARCH

My Care Shoe is a project for the registration of the sensor data collected during the use of the sensor shoe. We are working to improve the accuracy of the data collected by the sensor shoe.

CONTACT INFO
 R. Dr. Antônio Bernardino de Almeida, 125
 0302-072 Bello Horizonte
 mycareshoe@gmail.com (11) 22 02 41 500

QUICK LINKS
 All patients
 Add a patient
 Personal settings
 About My Care Shoe
 Contacts
 Log out

Figure 4 Patient specifications page

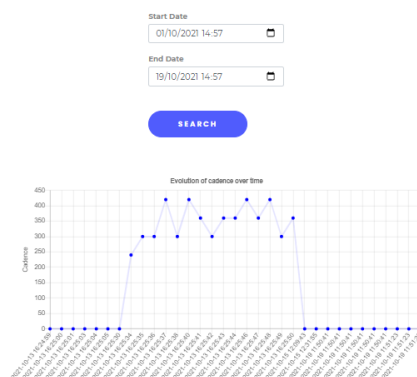
There are some restrictions regarding the inputs of some fields that are displayed in "Edit patient information" page, such as:

- 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).

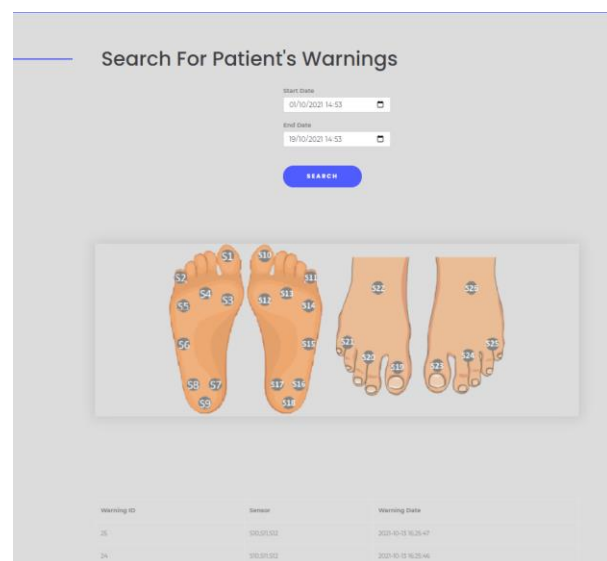
If the professional accesses the statistics or warnings, the pages will have the structure of **Figure 5**. Thus, it is possible to select the time interval and obtain the results produced in this same interval. In the case of statistics, 11 graphs identical to the one in **Figure 5** (a) will be presented, 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.

Search For Patient's Statistics



(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.

Check Here Your Administrator Operations

Through option "Logs table", you will be able to see the activity on the several tables of the database, and through "Permissions", you will be capable of giving registered user their permissions.

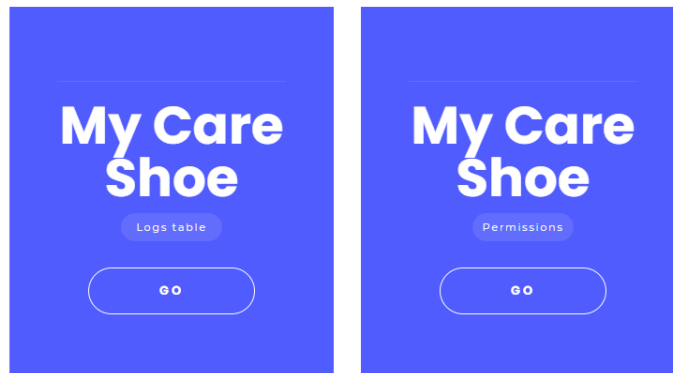


Figure 6 Administrator operations page

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.

Search For Database Changes

Start Date
01/10/2021 15:27

End Date
19/10/2021 15:27

SEARCH

Tracking ID	Table name	Data ID	Field	Old Value	New Value	Date
123	user	3	access_permission	0	1	2021-10-19 14:34:20

Figure 7 Logs table page

Change User Permissions

User ID
1 - Joao

Profile ID
Patient

Access Status
Enable access

SUBMIT

Figure 8 User permissions page