***Specification Requirements***

Class **INF2B** Group **5**

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**-Introduction-**

**Health** **App** is a software that display information about patients, medicines, appointments and makes it possible for patients and health care providers to communicate with each other and send emails to each other.

**Patients and health care providers will be able to use our software.**

Let’s suppose a patient wants to go to the doctor, he is not sure what time was the appointment or with which doctor, he can refer to the website (**Health** **App**) and after he logs in he can see what time, where and with who he has an appointment.

Also after the patient goes back home, he can check which medicine he has to take and what time. If he has any questions he would be able to send an email to the doctor using our website.

Health care providers who deal with these patients would be able to create an account and look at all information related to patients, they would be able to search patients using their patient ID and send them information.

Patient would have the possibility to authorize his family members to access his data in order to help hem when needed.

All information over patients and health care providers will be safely collected in one database and will **not** be shared with a third side.

The software will be able to allow patients and health care providers to communicate with each other but will **not** allow health care providers to share patients information outside the website.

In this document we will be explaining how does the website work and we will explain its functionality as agreed with the product owner and development team. We will include references at the end.

**-General description-**

**Functionalities**:

**1** Patients will be able to create a patient account.

**2** Patients will be able to edit their account

**3** Patients will be able to log in.

**4** Patients will be able to see their profile and check their information (Name, patient ID, dossier, picture, history, medicines and appointments log).

**5** Patients will be able to add medicines from their profile.

**6** Patients will be able to authorize family members to access their profiles with a **family** account

**7** Family members will be able to log in to patient account if authorized.

**8** Patients will be able to send information to health care providers

**9** Health care providers will be able to create a doctor account.

**10** Health care providers will be able to log in.

**11** Health care providers will be able edit their account.

**12** Health care providers will be able look at the patient profile and see his information.

**13** Health care providers will be to send information to patients.

**14** Health care providers will be able to see their profile and check their information (Name, picture, doctor ID, appointments log and patients IDs).

**Hardware used:**

Our website will be accessible for:

-PC

-Laptops

-Mobile devices

-Tablets

**User Expectations :**

-Users expect to have the ability to create an account, edit it if needed and login.

-On the homepage of the patient account there will be a **History** button to review all previews appointments and information, a **Medicines** button to add medicines, there will be **Contact** **doctor** button to send email to the doctor, also there will be a **Logout** button.

-There **MIGHT** be an **Appointment** button to make an appointment with the doctor.

-A doctor account expect to have the ability to create an account, edit it if needed and log in.

-On the homepage of the doctor account there will be a **History** button to review all previews appointments and information, there will be **Search** field so that the doctor can search his patient profile using his patient ID, there will be **Contact** **patient** button to send an email to patients.

-There will be also a **Logout** button.

**-Specific Requirements-**

**Detailed requirements:**

**1 Patients will be able to create a patient account:**

A patient will be able to make an account using personal username (Email) and password. The password must consist of at least 8 characters including at least 1 capital letter, one digit and one character.

Usernames should be unique. This will be managed in the database.

**2 Patients will be able to edit their account**

Using their personal username and passwords, registered users will be able to edit their accounts. They will have the ability to change passwords, get a new password in case the first one was forgotten and delete the account in case they prefer to.

**3 Patients will be able to log in.**

Using their username and passwords, registered users will be able to log in to their accounts and have access to their data.

**4 Patients will be able to see their profile and check their information (Name, patient ID, dossier, picture, history, medicines and appointments log).**

Logged in users will have access to their homepage and be able to check their appointments. \*\*\*\*\*\*\*\*\*\*\*\*

**5 Patients will be able to add medicines from their profile.**

**6 Patients will be able to authorize family members to access their profiles with a family account**

**7 Family members will be able to log in to patient account if authorized.**

**8 Patients will be able to send information to health care providers**

**9 Health care providers will be able to create a doctor account.**

**10 Health care providers will be able to log in.**

**11 Health care providers will be able edit their account.**

**12 Health care providers will be able look at the patient profile and see his information.**

**13 Health care providers will be to send information to patients.**

**14 Health care providers will be able to see their profile and check their information (Name, picture, doctor ID, appointments log and patients IDs).**