***Requirements Specification***

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

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**-Introduction-**

**Zorg** **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 for 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 him 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 party.

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 patient 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** Logged in patients will be able to edit their account

**3** Registered patients will be able to log in.

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

**5** Logged in patients will be able to add medicines from their profile.

**6** Logged in patients will be able to authorize family members to access their profiles with a **family** account

**7** Registered family members will be able to log in to family account if authorized.

**8** Logged in patients will be able to send information to health care providers

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

**10** Registered health care providers will be able to log in.

**11** Logged in health care providers will be able edit their account.

**12** Logged in health care providers will be able to look at the patient profile and see his information.

**13** Logged in health care providers will be to send information to patients.

**14** Logged in 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, an **authorization** button to authorize family members to have a look in the patient profile, there will be **Contact** **doctor** button to send an 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 a patient 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 Logged** **in** **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, they will also be able to change their information. new information must be verified for correct input.

**3 Registered 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. Both password and username must be filled in to log in, and they must match with user information in the database.

**4 Logged** **in** **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 using the appointments log, and they will be able to review their own information like name, patient ID, dossier, picture history and medicines.

**5 Logged in patients** **will be able to add medicines to their profile:**

There will be a field to add medicines, the patient will enter the name of the medicine and press on “add medicine”. The medicine data will be automatically sent to the database.

**6 Logged in patients** **will be able to authorize family members to access their profiles with a family account:**

There will be an authorization option on the homepage, the patient will be able to create an account for a family member and so that this person can look at the patient data and remind hem of his medicines and appointment (if needed).

**7 Logged in family members will be able to log in to family account if authorized:**

As mentioned before, family members would be able to check on the patient profile using Family Account made by the patient self. They would not be able to change a thing but they would be able to check on medicines and appointments to help the patient if he is not fully capable of managing a lot alone.

**8 Logged in patients** **will be able to send information to health care providers:**

There will be Contact doctor button, if the patient press on this button he will be able to send an email to his own doctor automatically without inserting doctor information.

**9 health care providers will be able to create a doctor account:**

A health care provider will be able to make a doctor 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.

**10 Registered health care providers will be able to log in:**

Using their username and password, registered health care providers will be able to log in to their accounts. Both password and username must be filled in to log in, and they must match with user information in the database.

**11 Logged in health care providers will be able 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, they will also be able to change their information, new information must be verified for correct input.

**12 Logged in health care providers will be able to look at the patient profile and see his information:**

Logged in health care providers will be able to type the ID of the patient in the search field and then will have access to his data, information and previews appointments.

**Logged in health care providers will be to send information to patients:**

Logged in health care providers will be able to press on Contact patient button from patient profile and send him/her an email without the need to insert patient name or email.

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

Logged in health care providers will have access to their homepage and be able to check their appointments using the appointments log, and they will be able to review their own information like name, patient ID, dossier, picture history and medicines.

**Future Additions:**

We have talked so far about the main functionalities of the website, now we will talk about possible extra additions in the future. This additions will be added or (part of them) if time helps us:

**1** Medicine *notification*:

A patient will receive a notification when time to take medicine. The notification will contain the name of the medicine, how many bills and before or after food.

***2*** *Appointment notification:*

The patient will receive an appointment notification to remind him that he has an appointment. The notification will contain information about the time, name of doctor and address.

***3*** *Document notification:*

The patient will receive a notification if he has to go to the health care center to pick up a document or a medical result.

***4******Make appointment*** *button:*

The patient will be able to make an appointment with his doctor using( Make account) button. He will have a look on the availability of the doctor and choose a suitable date from the agenda*.*

***5*** *Appointments agenda:*

The health care provider will be able to check his appointment using appointment agenda. He will be able to know when he has an appointment and with who.

***6*** *Health care provider availability:*

Health care provider will be able to insert his available time in his agenda so that patients can have a look on it and choose a suitable date and time for their appointments.

***7*** *Search health care provider:*

Patients will be able to search for health care providers depending on the type of health care.

**References:**

See:

Google drive / Group 5 / class: INF2 – (*Product backlog*)

September 30, 2019.