Sprint 1

Project Backlog

Geo fence android app

<https://developer.android.com/training/location/geofencing.html>

Product backlog:

Create first webpage for the user

* Home
* Medical
* Phone/Message (Custom feature)

Home

* Automatically display real time and weather of current location.
* Icons for each

Music - Link to youtube/ spotify

Lights - Current room On/Off

Heating

Turn heating on, turn heating off

Turn heating up/down

Turn air conditioning On/Off

Camera

Order food - Link to just-eat

Order shopping - Link to tesco's website

Order taxi - link to Halo

Medical

* Icons for each

Memory game - link to sudoku game

Calendar

Display current day and month

Birthdays and appointments highlighted

Upcoming events

Option to view past events

Admin login

* Username
* Password
* Forgot password

Input validation

* Settings

Change password

After login successful

* Security
* Management

Security

* Location of each patient
* Set location boundaries for each patient
* When outside it send automatic message to number on file
* When clicked you can share their location

Management

* Real time location of all patients - GoogleMaps
* Basic

Database

* MongoDb

Project to be coded on Eclipse.

Use firebase to host the website and database.

Sprint 1 Backlog – Website and Database

Level 1: (Very Important)

User Pages:

1. Create starter page (Home page, Admin button, home button and Medical button)
2. Create page for “Home” Button and “Medical” Button

Home Pages:

1. Create Home Main Menu page
2. Display the Current time
3. Display the current weather
4. Display a note depending on the weather
5. Create Music page
   1. Turn Music on
   2. Turn Music off
   3. Link back to Home main menu
6. Create order food page
7. Create Food Shopping page
8. Create order Taxi page

Medical Pages:

1. Create option page in medical with “Memory Game” button and “Calendar” button
2. Create calendar page
3. Create memory game page

Administrator pages:

1. Create the Home page.
2. Create a button-link so the Admin can login.
3. Create the Admin login page.
4. Allow user to enter their username and password details on the login page.
5. Input validation if the username or password is wrong.
6. Create change password page
7. Allow the user to change their password if they forget it.
8. Create Admin home page.

General:

1. Link databases to the website
2. Link all web pages
3. Insure CSS is uniform
4. Bootstrap each web page

Level 2: (medium Importance)

1. Display an informative note depending on the current weather. E.D Rain “Bring an umbrella today”.
2. Start music
3. Stop music

Level 3: (low importance)

Level 4: (Not for this Sprint)

1. Create Heating page
   1. Turn heating on
   2. Turn heating off
   3. Link back to Home main menu
2. Create Lighting page
   1. Turn lights on
   2. Turn lights off
   3. Link back to Home main menu
3. Create Remote Camera page
   1. Link back to Home main menu

User Stories:

As a User …

1. I want to be logged in all the time and not be asked for a username or password at any point.
2. I want the application to be very simple so that I do not have to read too much information.
3. I want to be able to play and pause my music.
4. I want to be able to order food without being asked for payment details or delivery details.
5. I want to be able to order a taxi without being asked for payment details.
6. I want to be able to play a memory game so that I can exercise my brain.
7. I want to be able to view a calendar to see what events I have coming up and what events have passed.
8. I want to be able to return to the previous page from any page.

As the Admin …

1. I want to be able to log into my account using my username and password so that I can make administrative decisions.
2. I want to be able to change my password if I forget it.
3. I want to be able to view all the patients in the database.
4. I want to be able to select a specific patient to see where they are.
5. I want to be able to see a certain patient's location to make sure that they are where they are supposed to be.
6. I want to be able to share a patient's location on twitter.
7. I want to be able to logout and return to the user Home page so that I am not logged in all the time.