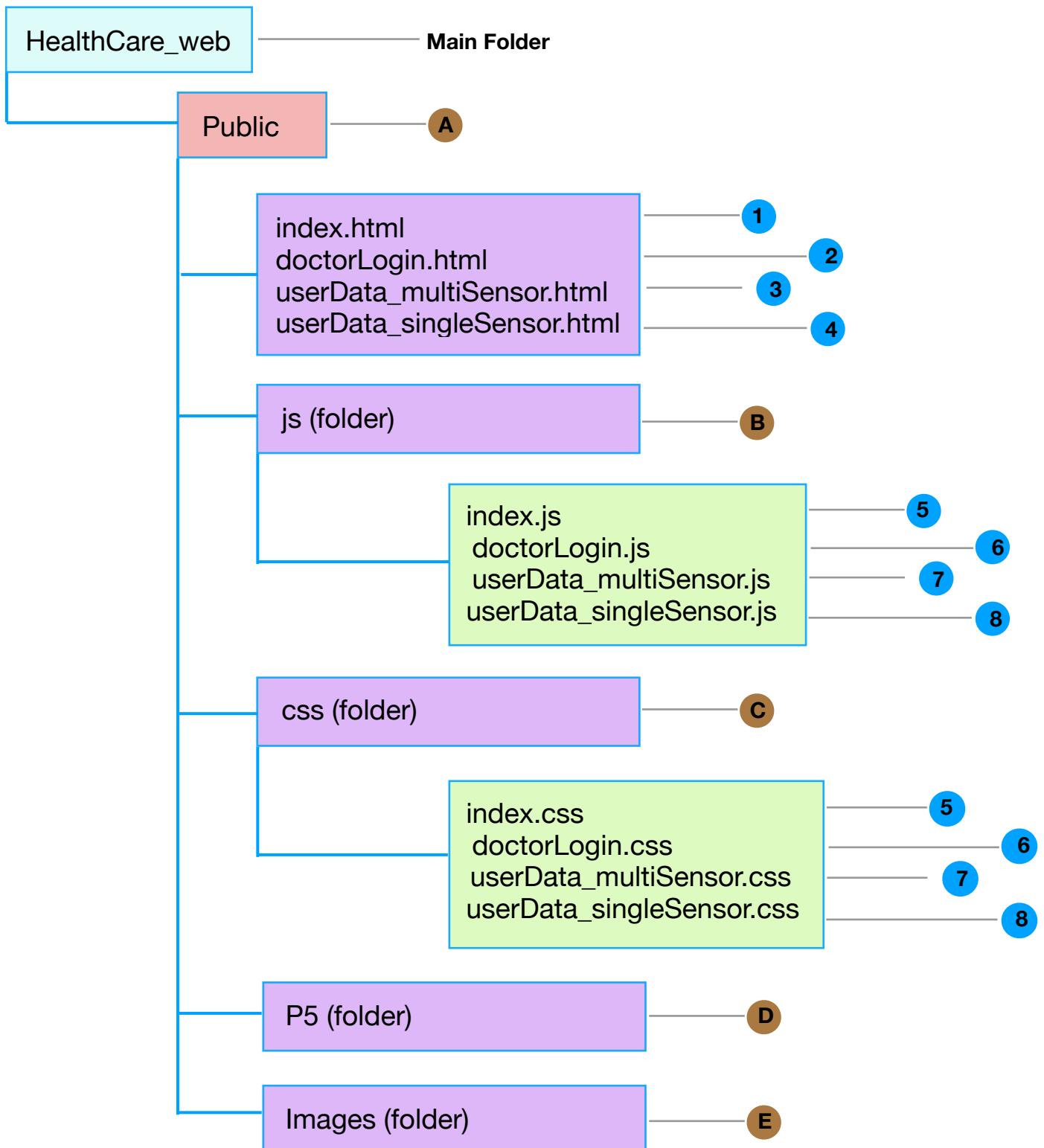
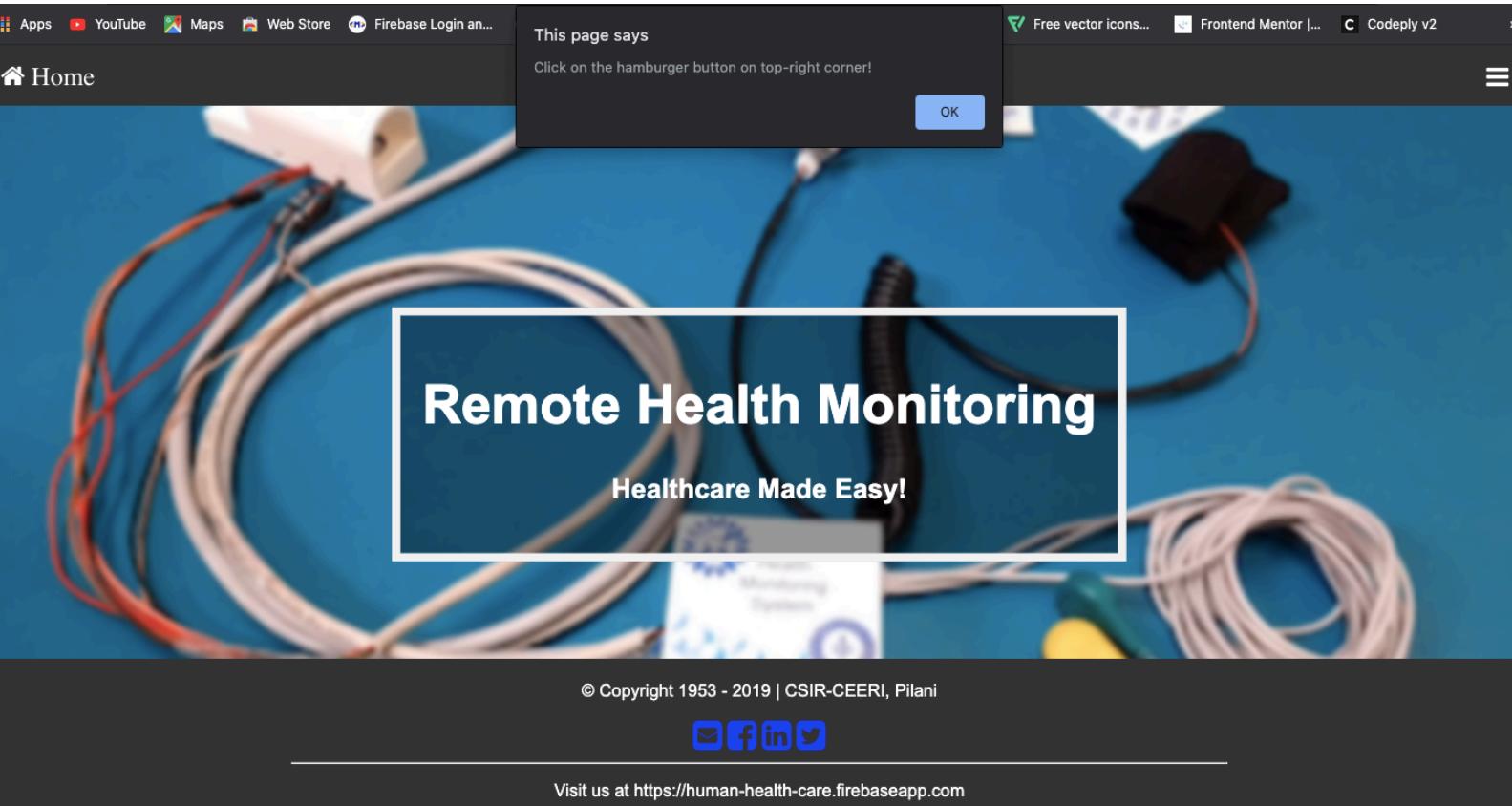


## HealthCare Web Application Directory Structure

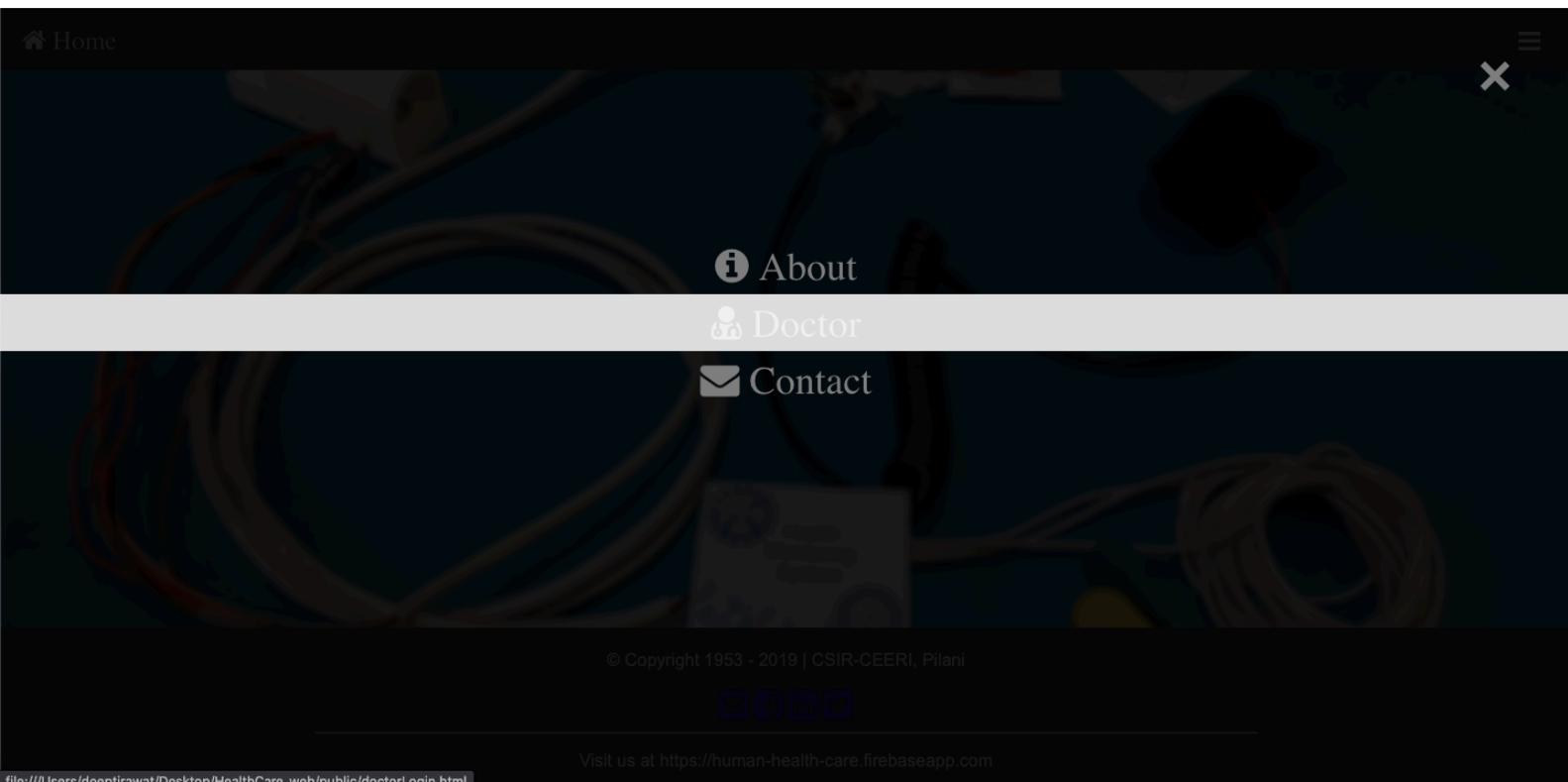


## HealthCare\_web

- This will be the main folder, in which all the other folders/files reside.
- The web application is built using 3 languages:
  - HTML - for creating the look/view/layout of the pages (example- creating a button)
  - CSS - for designing the look of the pages (example- color the button and make it round)
  - Javascript - for adding logic in the pages (example- do something on button click)
- The web application is used by the doctor to remotely monitor the health parameters of the patient.
- The description of various files (pages) of the web application are demonstrated as follows:



**figure a- When the page loads, we see this**



**figure b- After clicking on the hamburger button, we see this**

Doctor

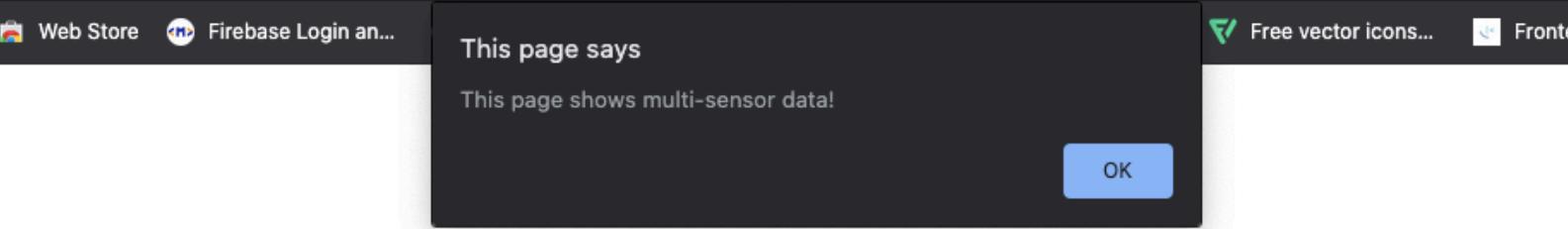
Welcome Doctor!

doctor@gmail.com

.....

 Sign In

**figure c- This page asks the doctor to Login. Only after the doctor logs in, he/she can view patient profile**



**figure d-** As soon as the doctor logins, the first page that we see is this one.  
After we click ok, we see the following

Patient 6 Oct 2020 15:24:34:234 Download Logout Click for Single Sensor Values

abc

Member

Patient One

test

Patient's Name: Patient One

Patient's Age: 34

Patient's Blood Group: O+

Patient's ECG: 351

Patient's EMG: 5

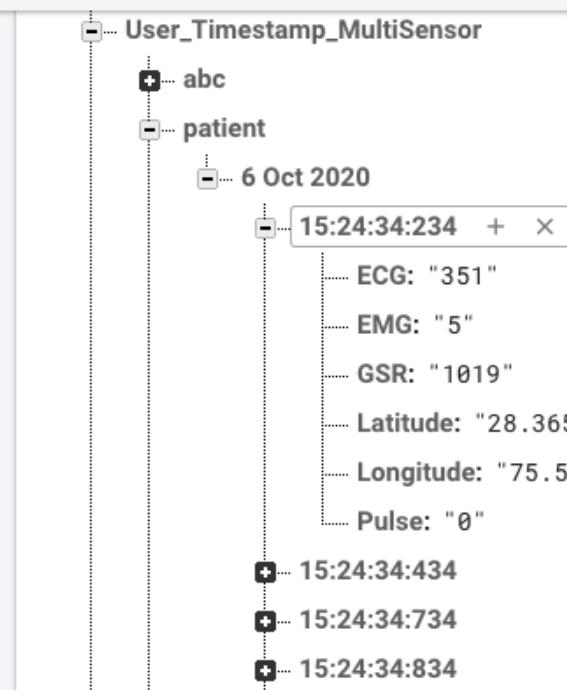
Patient's GSR: 1019

Patient's Pulse: 0

Patient's Latitude: 28.365596

Patient's Longitude: 75.5838968

**figure e-** The left Sidebar has patient list. As we click on a Patient's name and select the date and time from the top navbar, we get to see all the details on the webpage fetched directly from the database



**figure f-** The database entries, according to which the webpage updates

Patient      6 Oct 2020      15:24:34:234      Download      Logout      Click for Single Sensor Values

abc

Patient One

test

Location Information

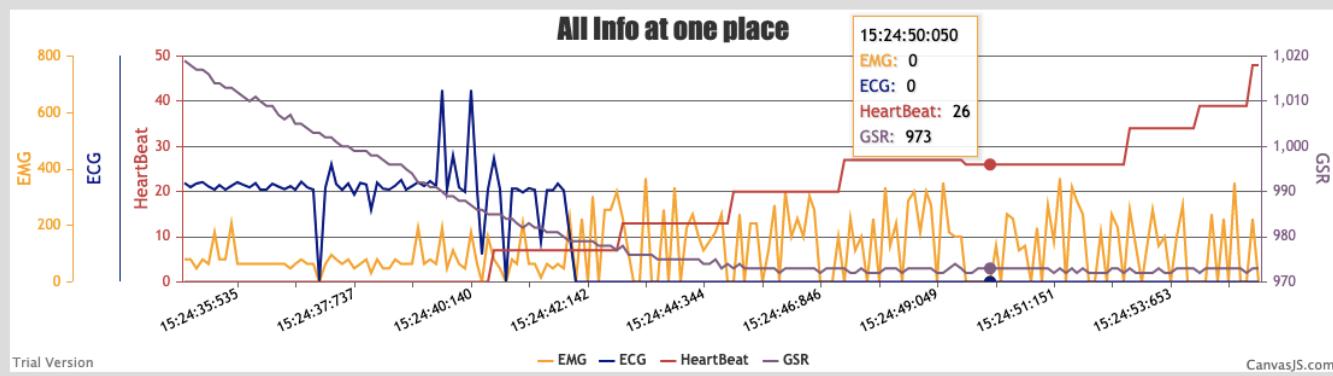
Last Location on the selected Date!  
latitude: 28.365596  
longitude: 75.5838968

Leaflet | © MapTiler © OpenStreetMap contributors

**figure g-** Also, the webpage shows location of user on a particular date and time

abc  
 Patient One  
 test

## MultiLine Information



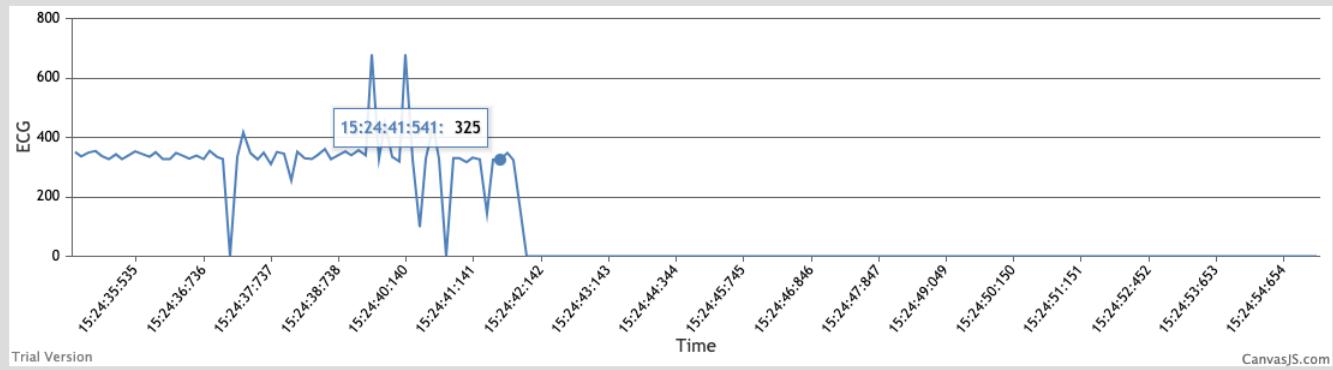
## ECG Information



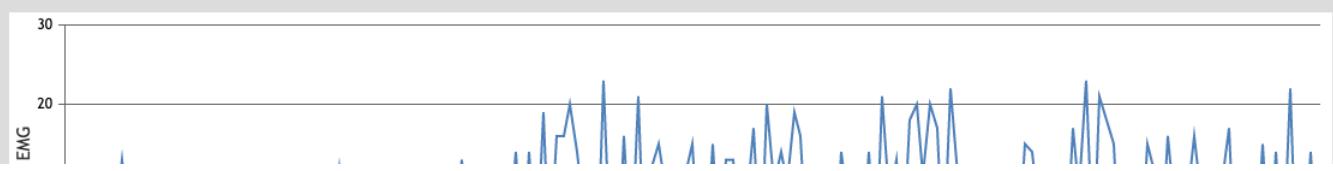
**figure h- Multiline Graphical representation for all 4 sensors on a particular date is shown in ‘Multiline Information’**

 abc  
 Patient One  
 test

## ECG Information

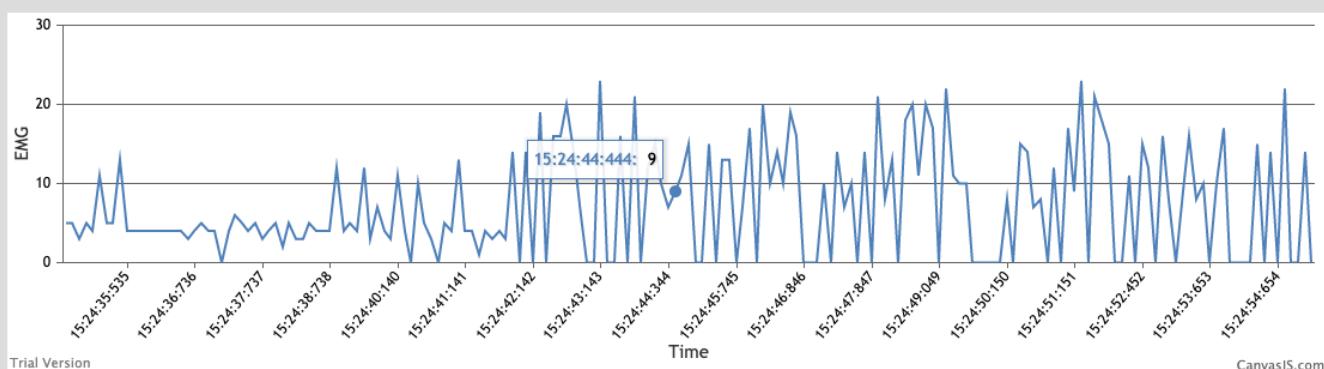


## EMG Information



**figure i- Graphical representation for ECG**

## EMG Information

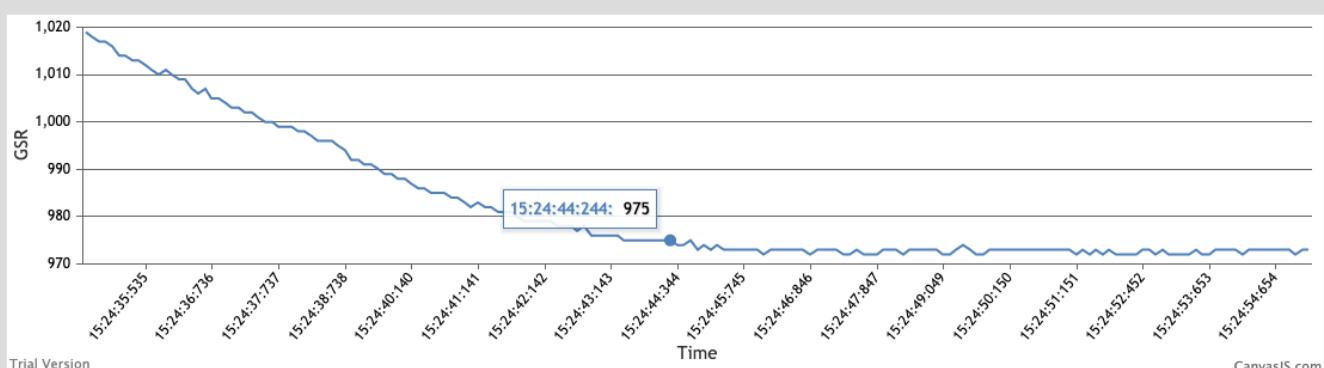


## GSR Information

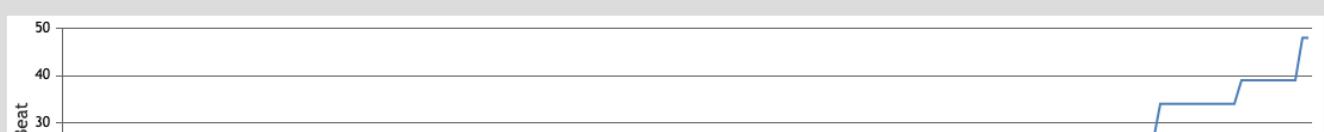


**figure j- Graphical representation for EMG**

## GSR Information



## Heart Beat Information



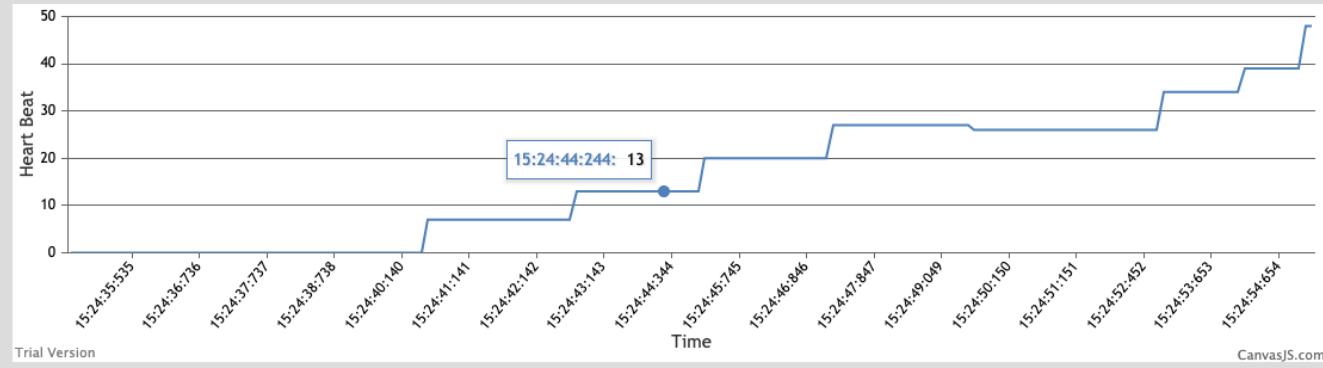
**figure k- Graphical Representation for GSR**

abc

## Heart Beat Information

Patient One

test



CanvasJS.com

**figure I- Graphical representation for Heart Beat**

## patient\_MultiSensorData

Patient Name	Date	Time	Age	Blood Group	ECG	EMG	GSR	Pulse	Latitude	Longitude
Patient One	6 Oct 2020	15:24:34:234	34	O+	351	5	1019	0	28.365596	75.5838968
Patient One	6 Oct 2020	15:24:34:434	34	O+	336	5	1018	0	28.365596	75.5838968
Patient One	6 Oct 2020	15:24:34:734	34	O+	349	3	1017	0	28.365596	75.5838968
Patient One	6 Oct 2020	15:24:34:834	34	O+	354	5	1017	0	28.365596	75.5838968
Patient One	6 Oct 2020	15:24:34:934	34	O+	338	4	1016	0	28.365596	75.5838968
Patient One	6 Oct 2020	15:24:35:035	34	O+	327	11	1014	0	28.365596	75.5838968
Patient One	6 Oct 2020	15:24:35:135	34	O+	343	5	1014	0	28.365596	75.5838968
Patient One	6 Oct 2020	15:24:35:335	34	O+	327	5	1013	0	28.365596	75.5838968
Patient One	6 Oct 2020	15:24:35:435	34	O+	341	13	1013	0	28.365596	75.5838968
Patient One	6 Oct 2020	15:24:35:535	34	O+	353	4	1012	0	28.365596	75.5838968
Patient One	6 Oct 2020	15:24:35:635	34	O+	344	4	1011	0	28.365596	75.5838968
Patient One	6 Oct 2020	15:24:35:735	34	O+	335	4	1010	0	28.365596	75.5838968
Patient One	6 Oct 2020	15:24:35:835	34	O+	350	4	1011	0	28.365596	75.5838968
Patient One	6 Oct 2020	15:24:35:935	34	O+	327	4	1010	0	28.365596	75.5838968

**figure m- By clicking on the 'Download' button, we can download the CSV file containing the patient-specific information**

e.firebaseioapp.com/userData\_singleSensor.html

Web Store  Firebase Login an...

human-health-care.firebaseio.com says

This page shows single-sensor data!

OK

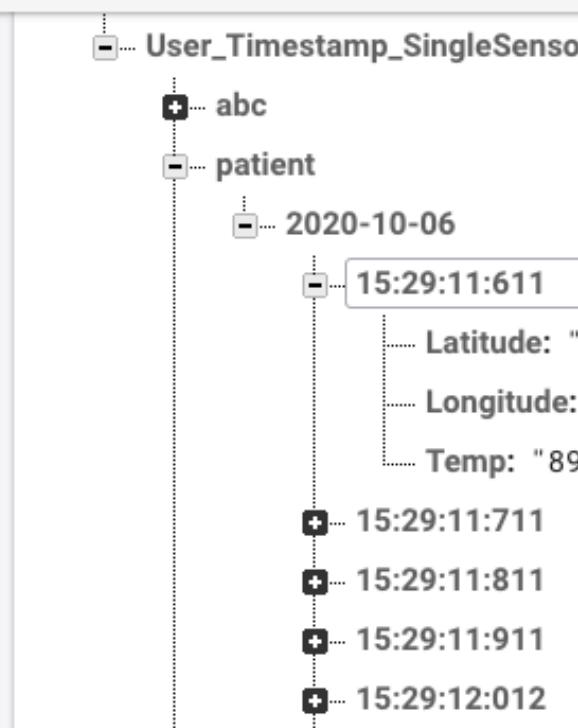
 Free vector icons...

 Frontend Mentor |...

**figure n-** On the ‘Multi-sensor’ page, when we click on the top-right button called ‘Click for Single Sensor Values’, that takes us to this new page

 Patient abc Patient One test	2020-10-06    15:29:11:611  Download  Logout <b>Click for Multi Sensor Values</b>
<p>Member</p> <p>Patient's Name: Patient One</p> <p>Patient's Age: 34</p> <p>Patient's Blood Group: O+</p> <p>Patient's Temp: 89.15</p> <p>Patient's Latitude: 28.3655944</p> <p>Patient's Longitude: 75.5839301</p> 	

**figure o-** This page shows single-sensor readings which are stored in the database



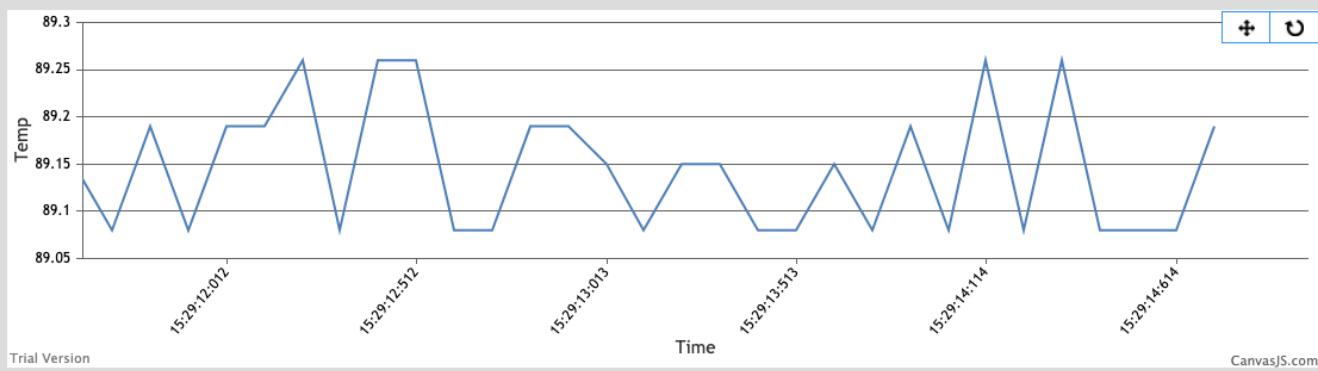
**figure p-**The database entries corresponding to which webpage is updated

**figure q-** Webpage showing patient's location on a particular date and time

## Vital Information

Patient One

test



## **js (folder)**

**B**

- Js folder stands for javascript folder.
- This folder contains all the javascript files (index.js, doctorLogin.js, user-Data\_multiSensor.js and userData\_singleSensor.js).
- The js code responsible for the main logic of the web app.

## **Css (folder)**

**C**

- Css folder contains all the Cascading Style Sheets/files (index.css, doctor-Login.css, userData\_multiSensor.css and userData\_singleSensor.css).
- The css code responsible for the designing of the web app.

## **P5 (folder)**

**D**

- P5 folder contains P5 library, which works on top of javascript. It provides and extends the functionality of javascript by providing some simplified coding style.

## **Images (folder)**

**E**

- This folder contains the images that we might want to use in our webpage.