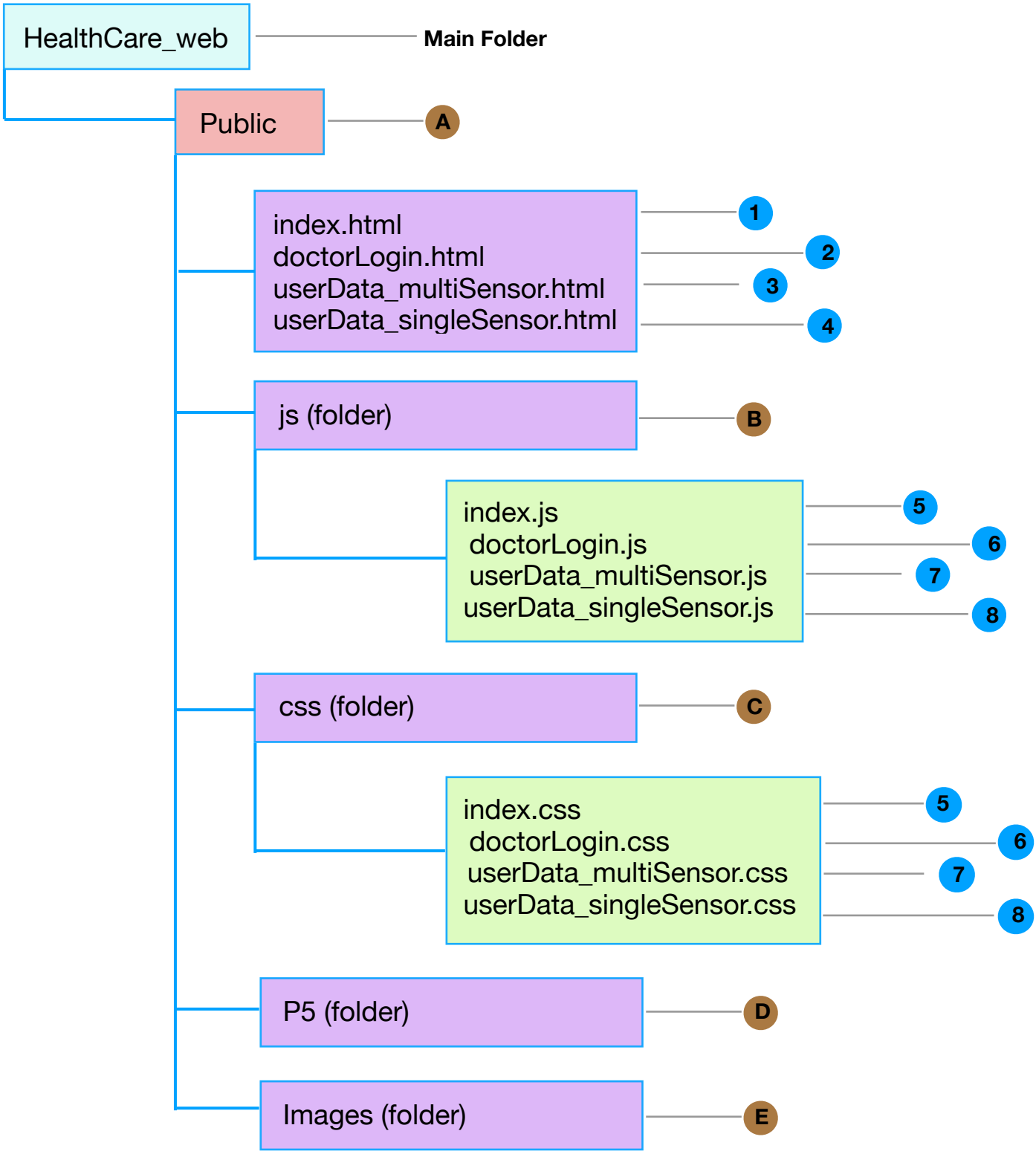
HealthCare Web Application Directory Structure



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:

index.html

1

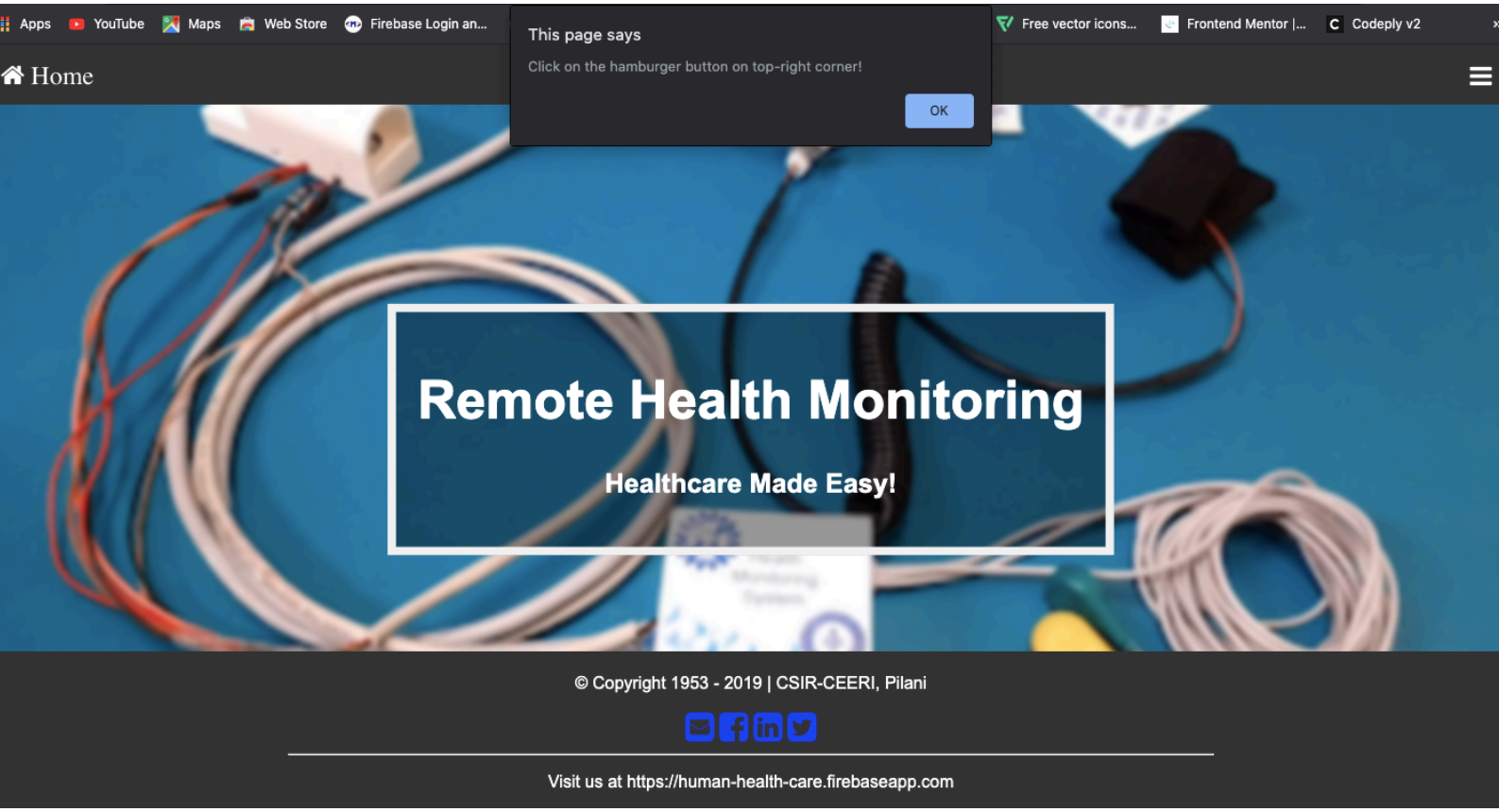


figure a- When the page loads, we see this

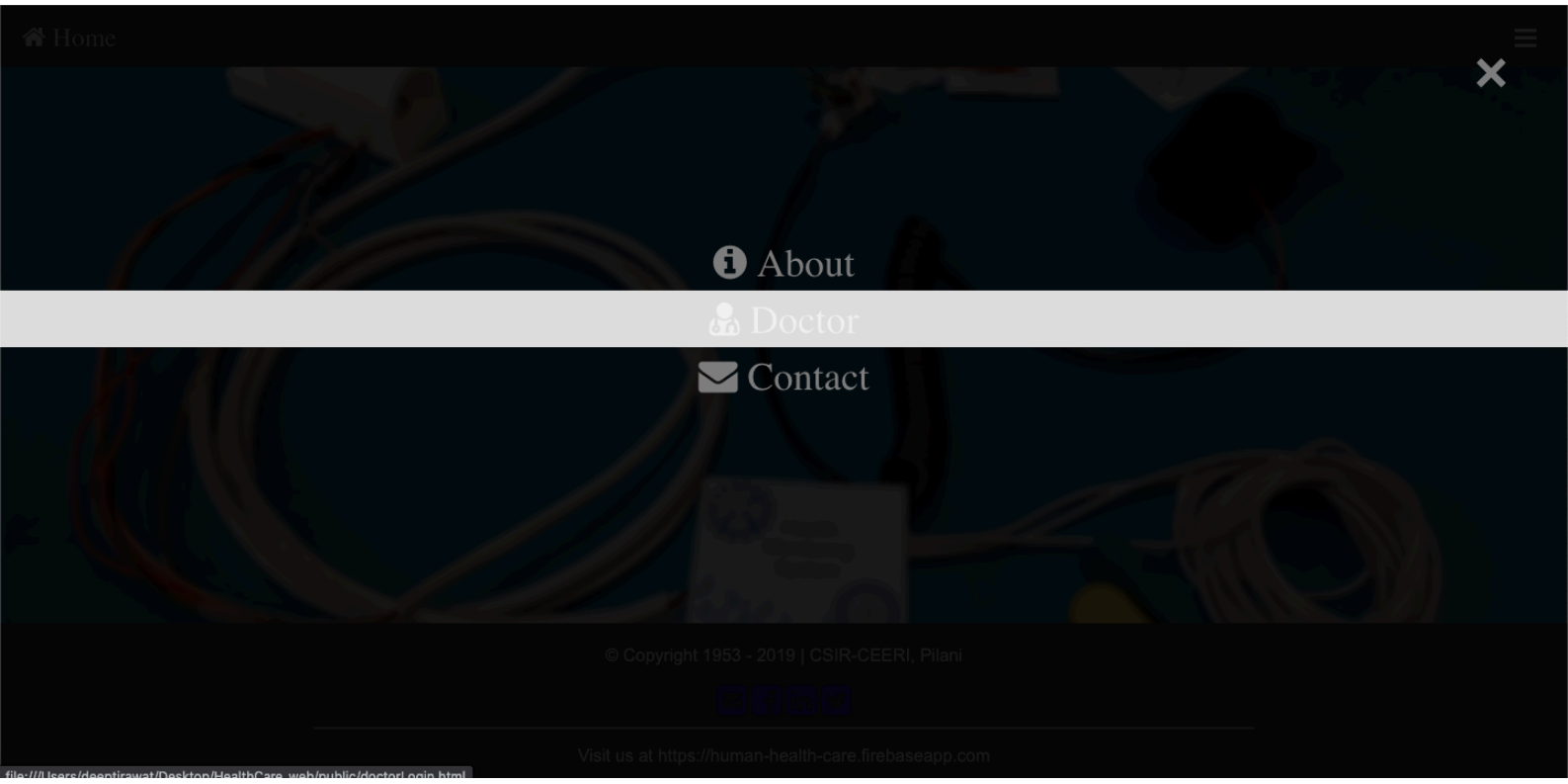


figure b- After clicking on the hamburger button, we see this

doctorLogin.html 2

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

userData_multiSensor.html

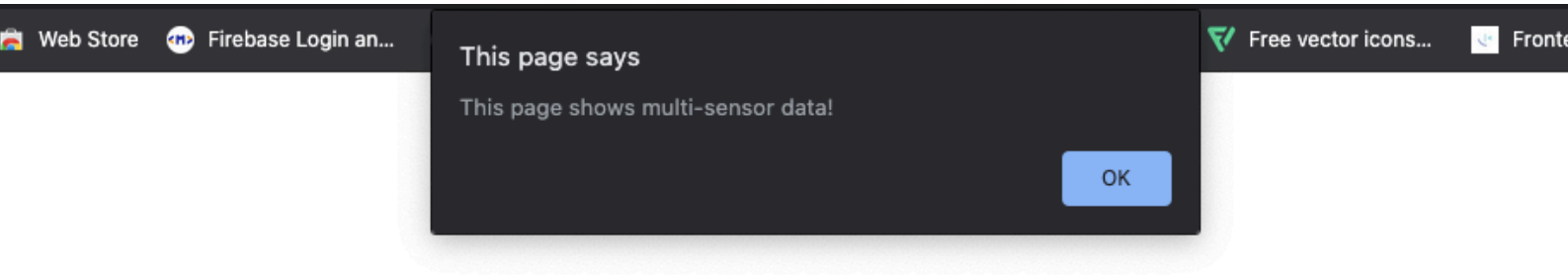


figure d- As soon as the doctor logins, the first page that we see is this one. After we click ok, we see the following

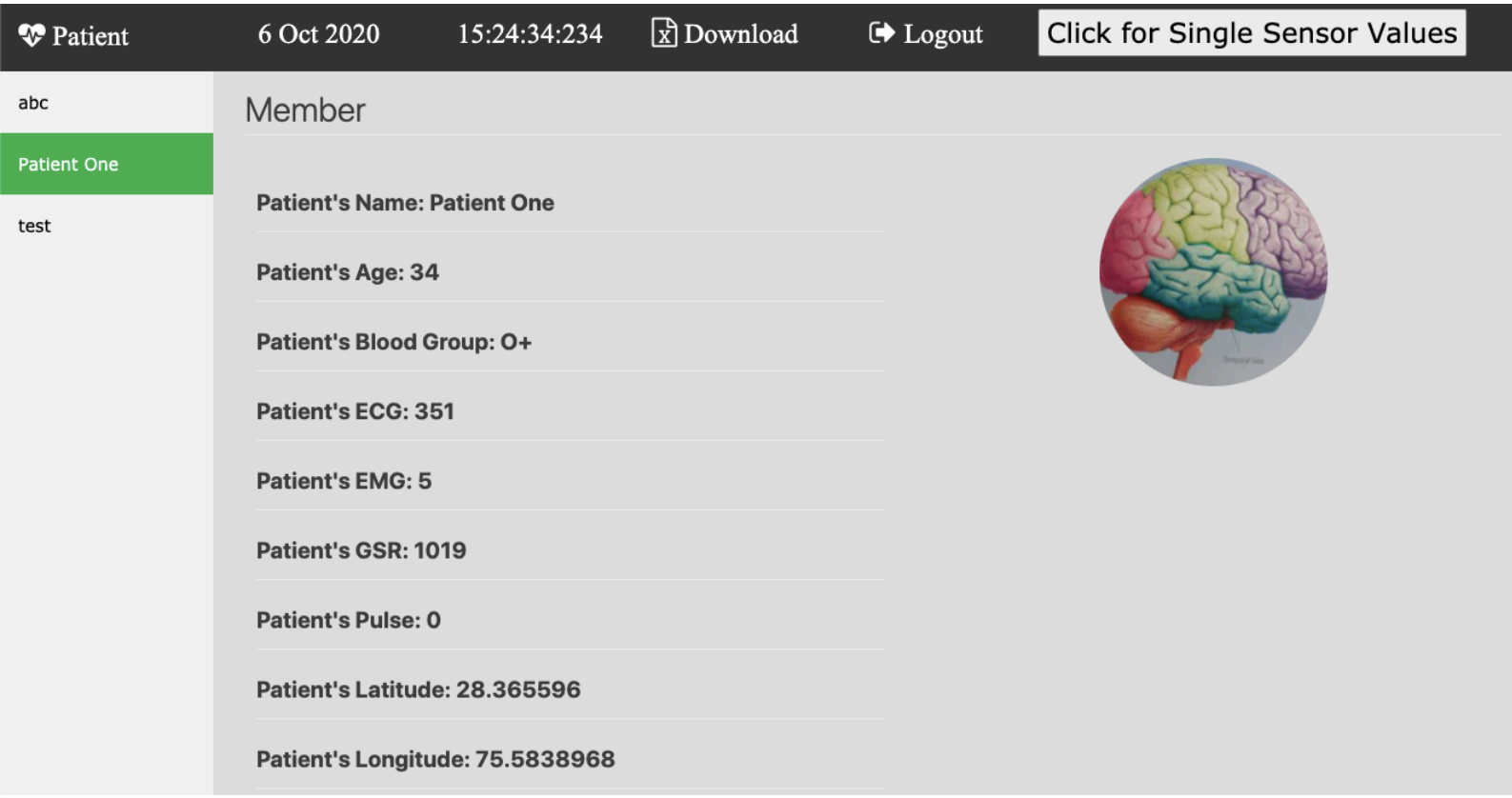


figure e- The left Sidebar has patient list. As we click on a Patient's name and select the date and time from the top navbar, we get to see all the details on the webpage fetched directly from the database

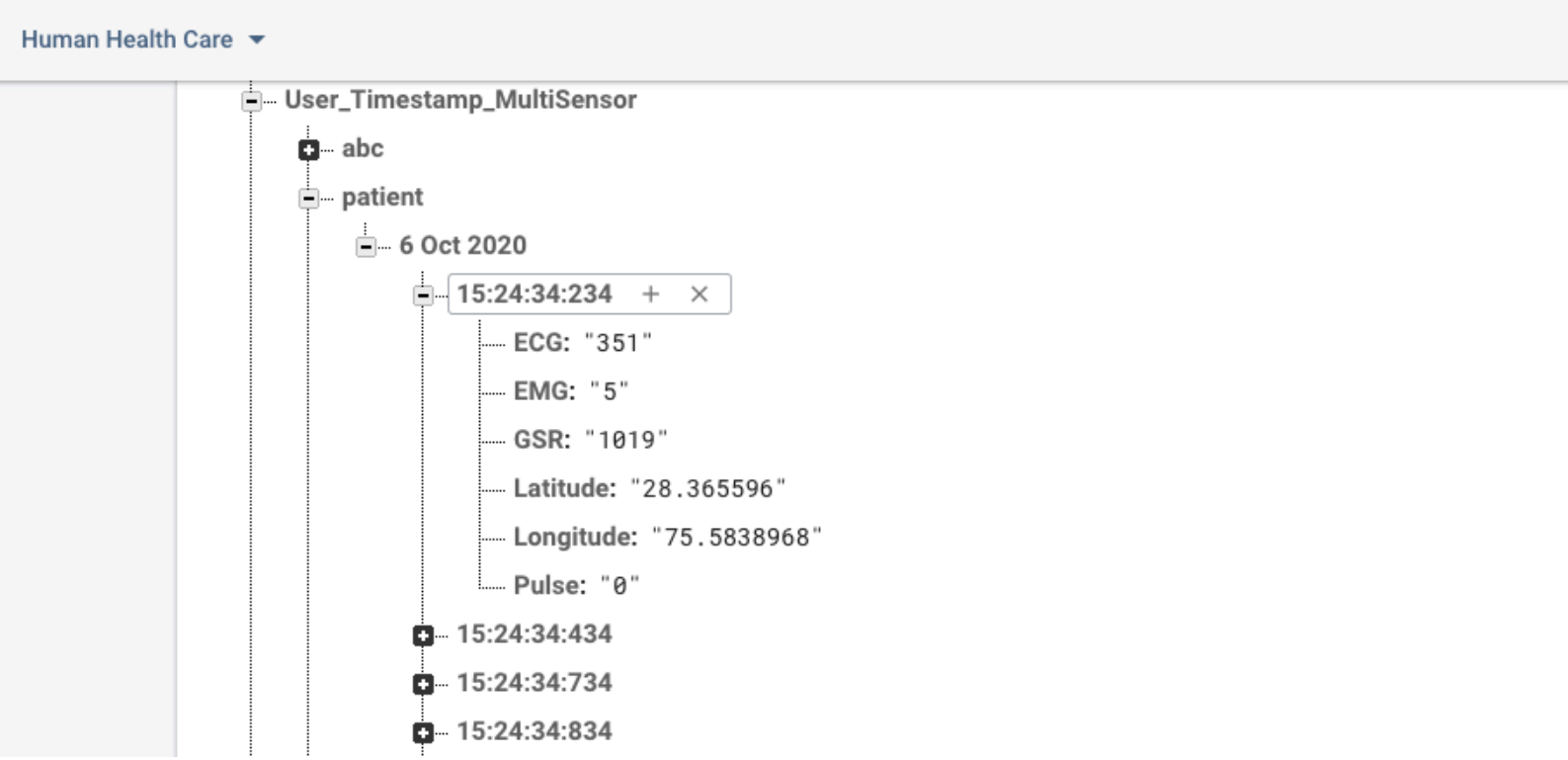


figure f- The database entries, according to which the webpage updates

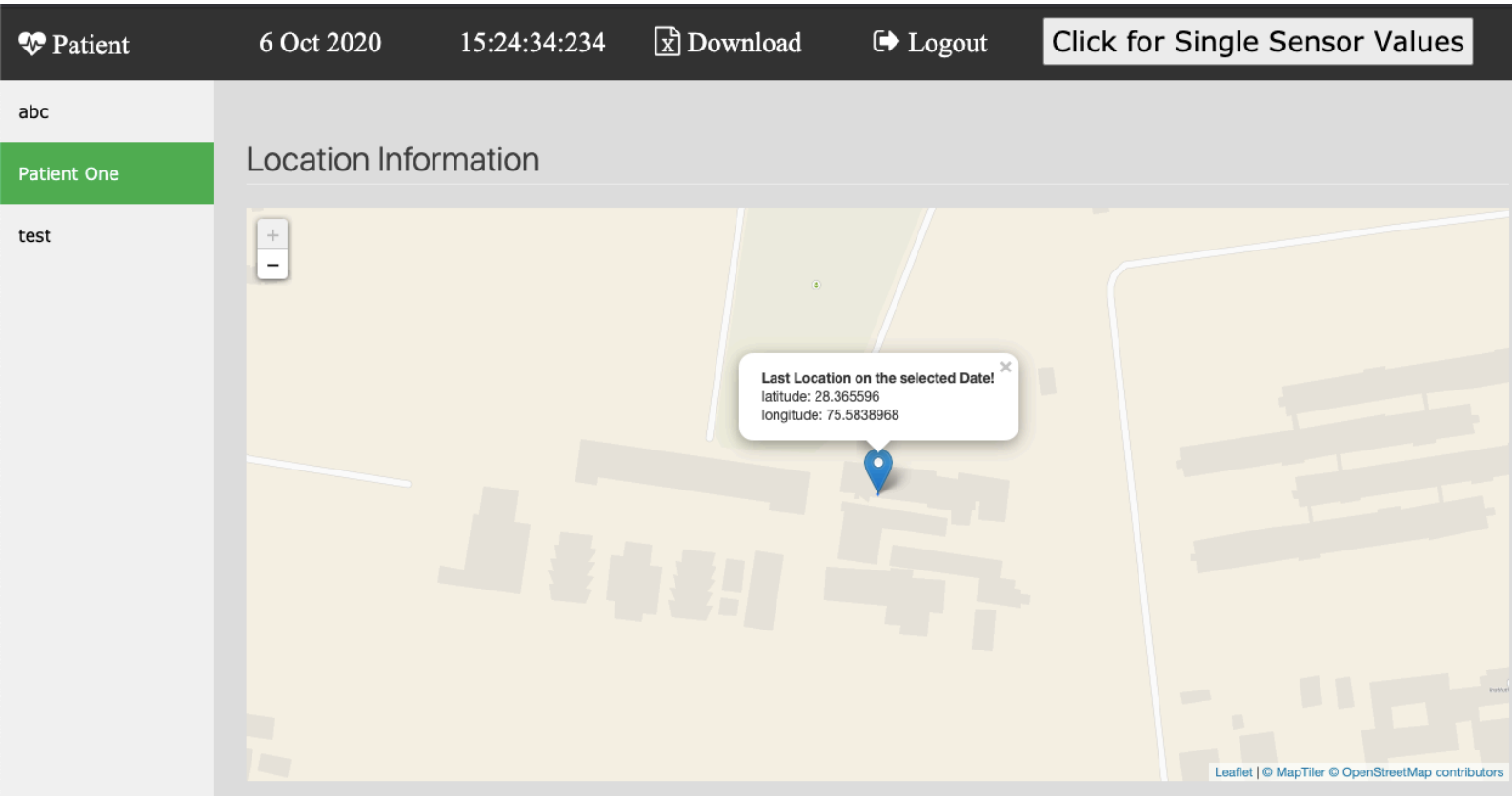


figure g- Also, the webpage shows location of user on a particular date and time

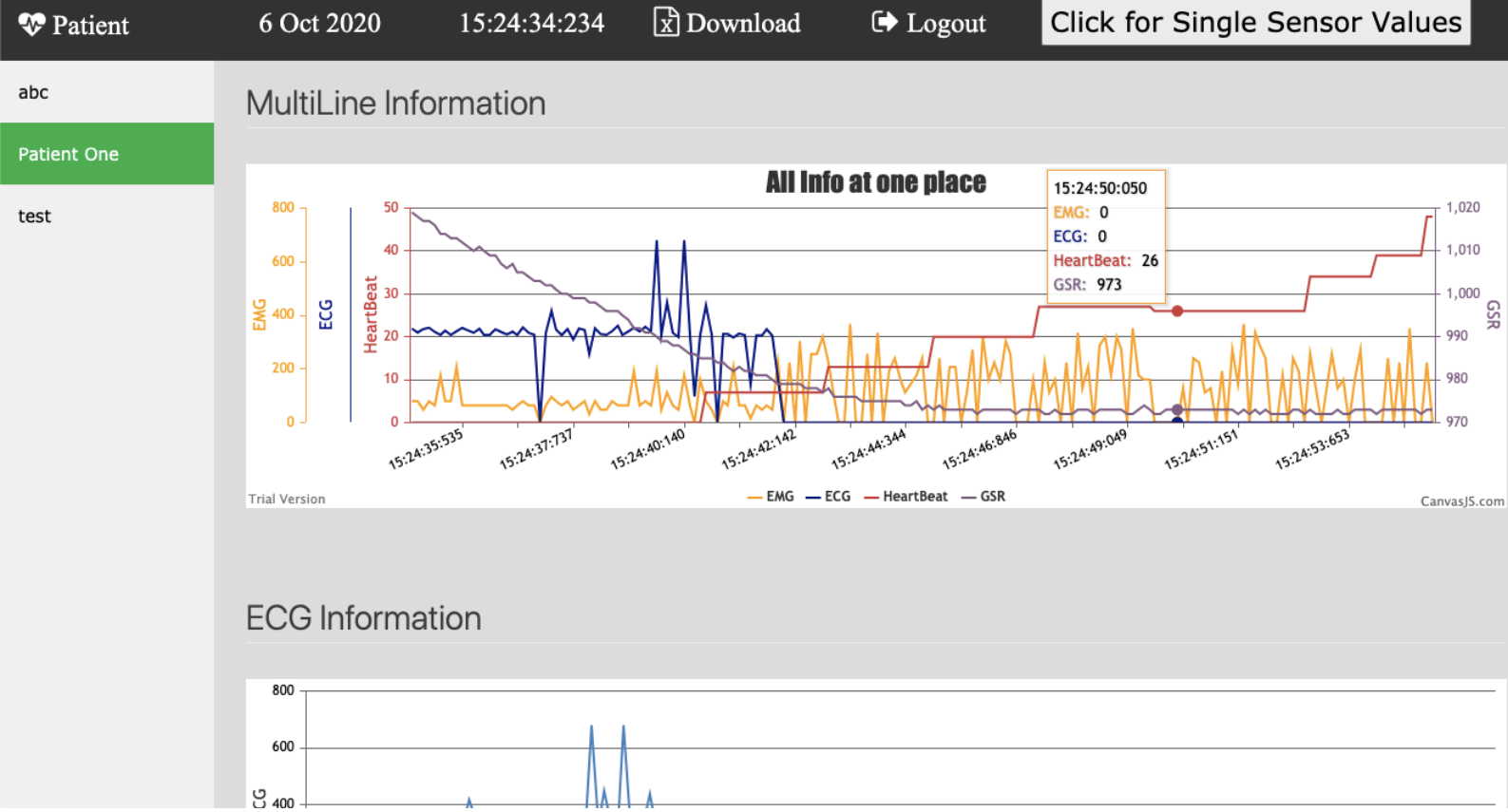


figure h- Multiline Graphical representation for all 4 sensors on a particular date is shown in 'Multiline Information'

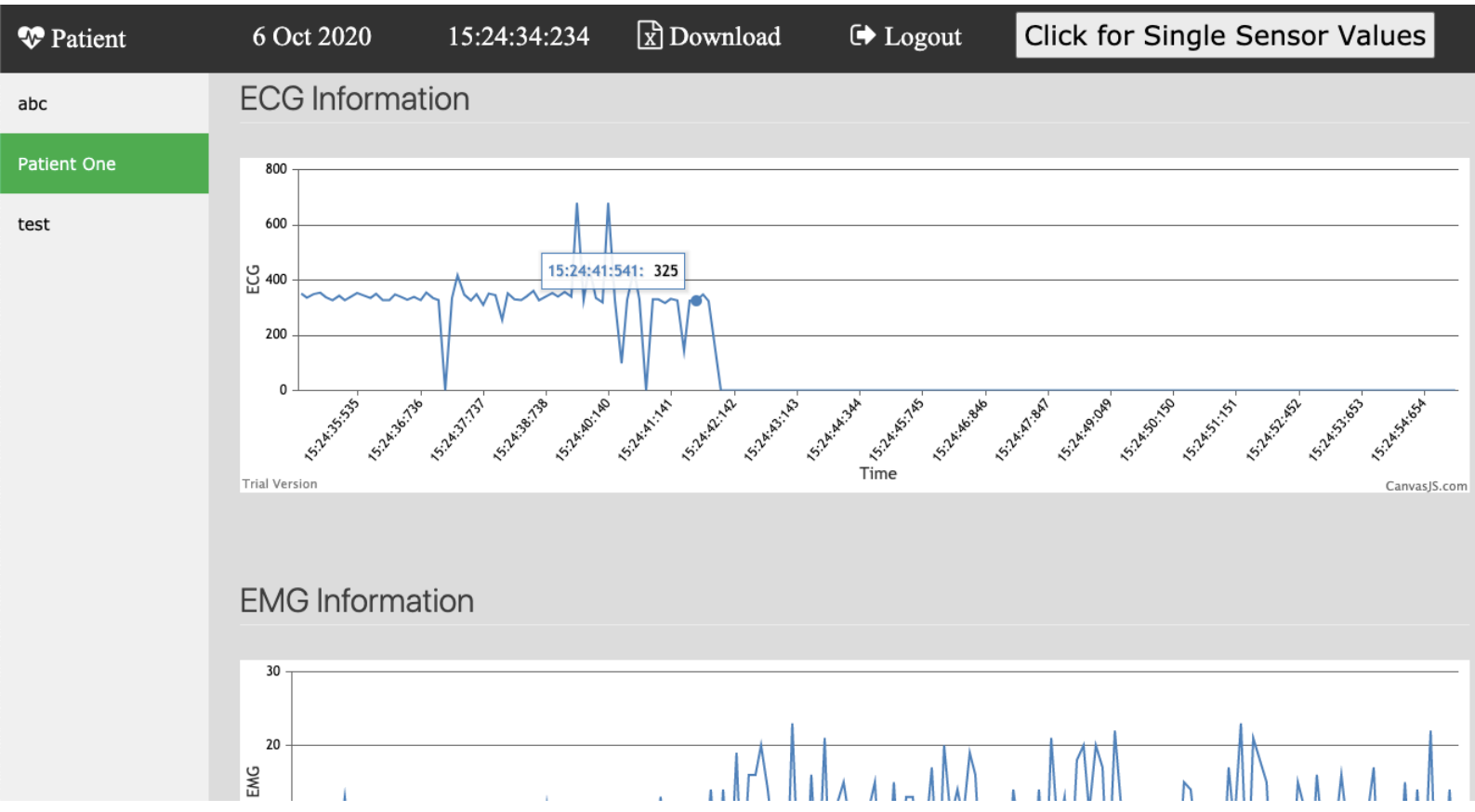


figure i- Graphical representation for ECG

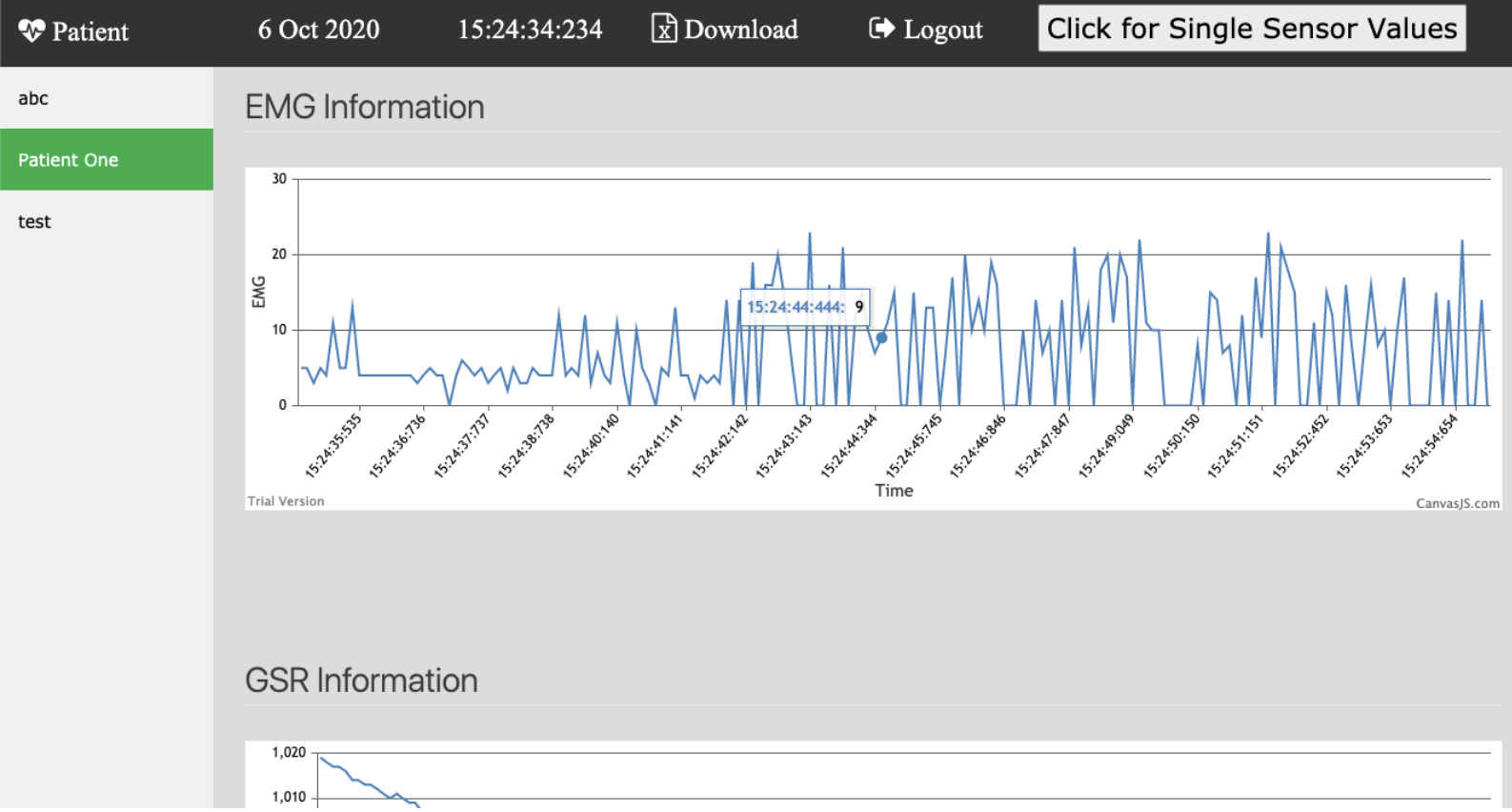


figure j- Graphical representation for EMG

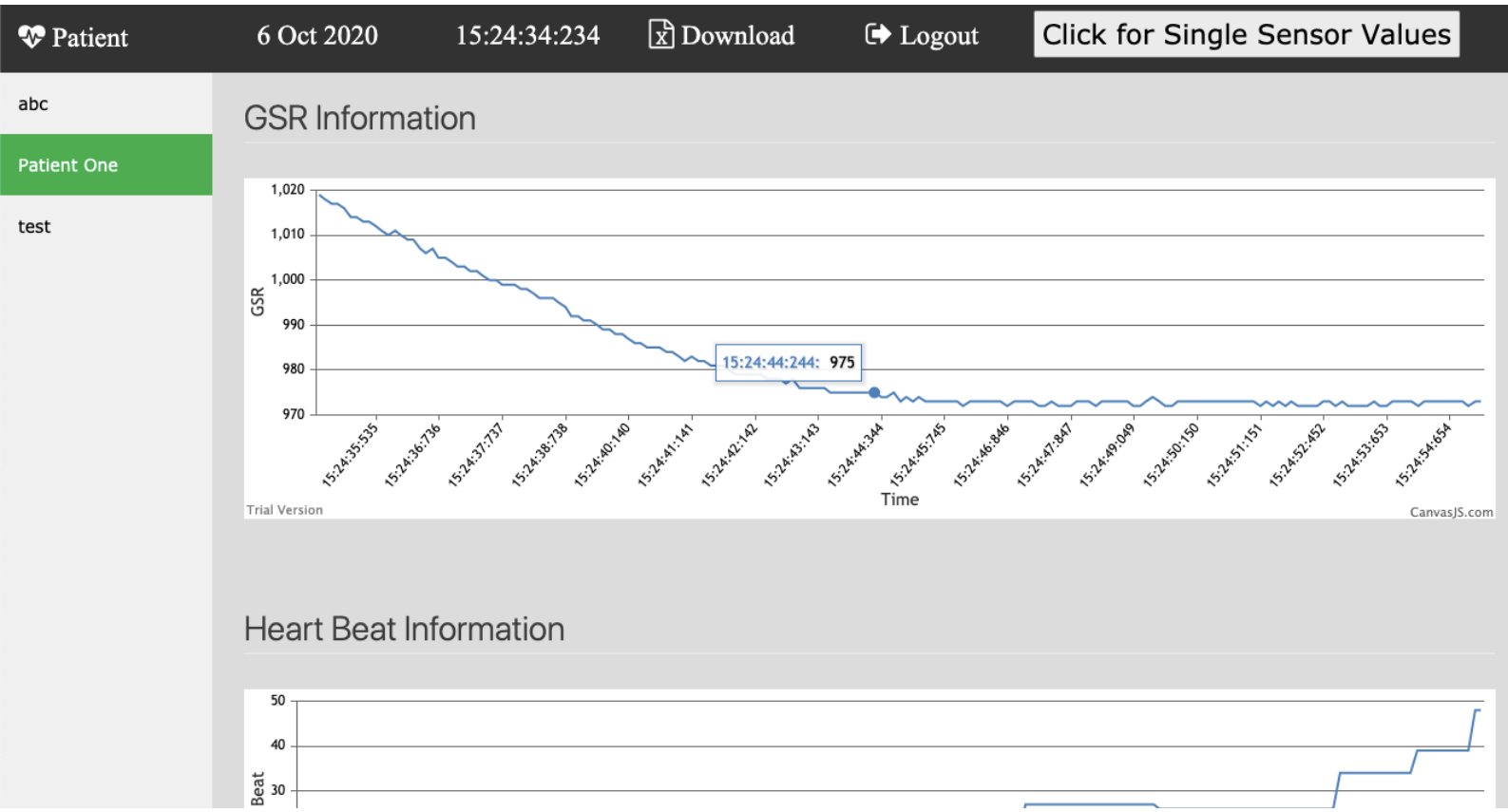


figure k- Graphical Representation for GSR

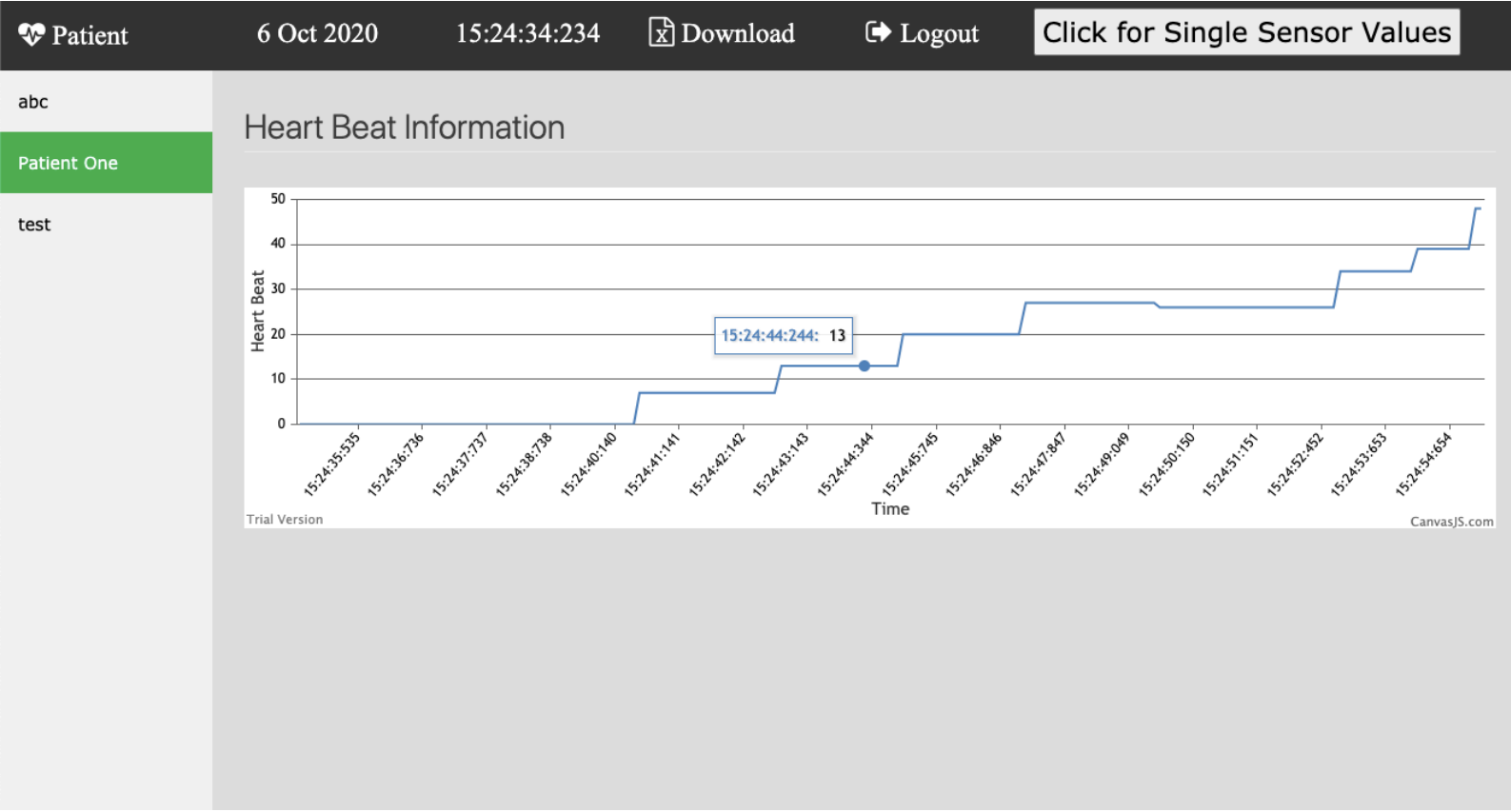


figure l- Graphical representation for Heart Beat

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

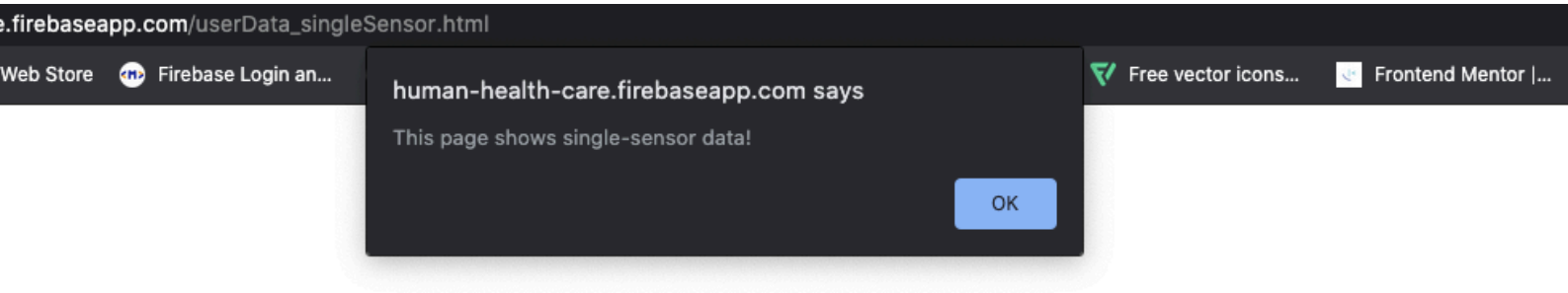


figure n- On the 'Multi-sensor' page, when we click on the top-right button called 'Click for Single Sensor Values', that takes us to this new page

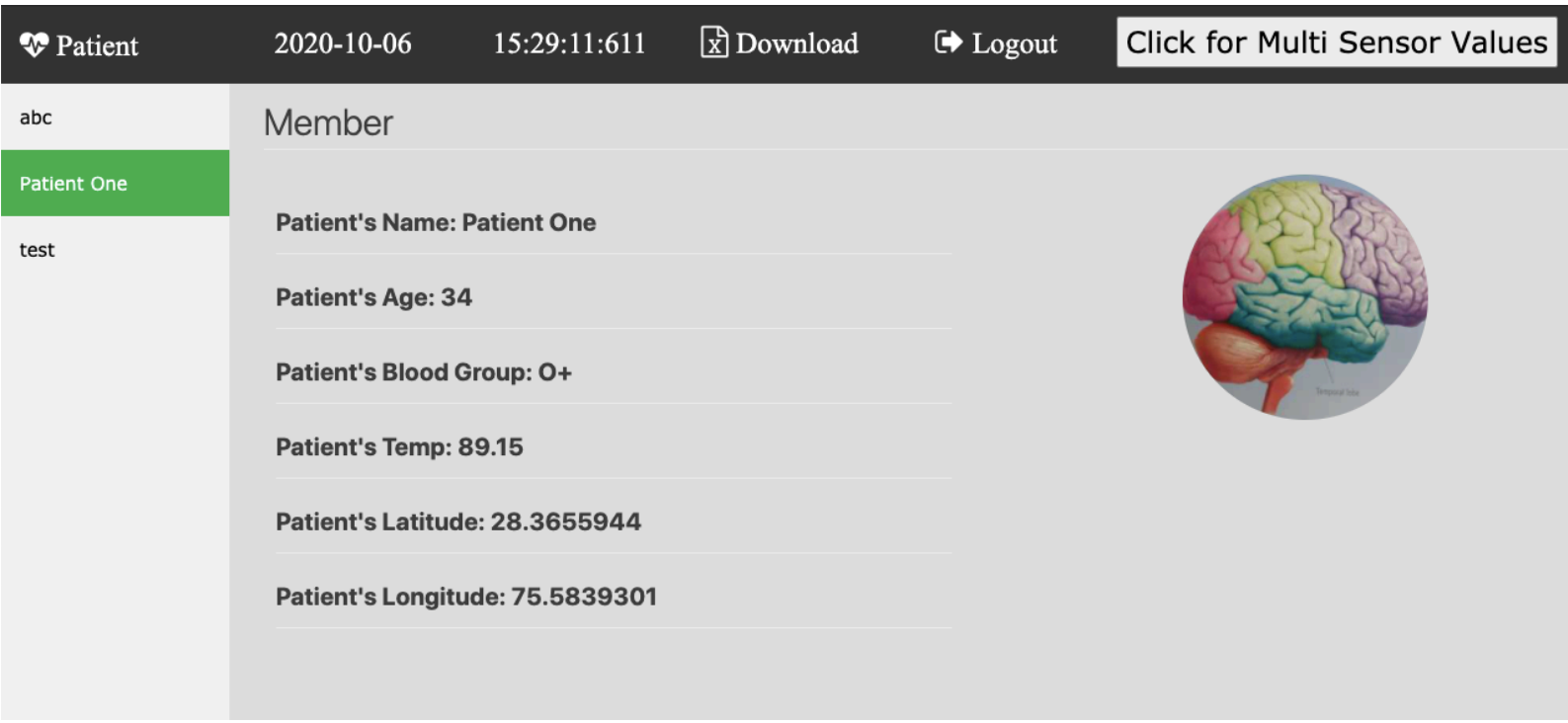


figure o- This page shows single-sensor readings which are stored in the database

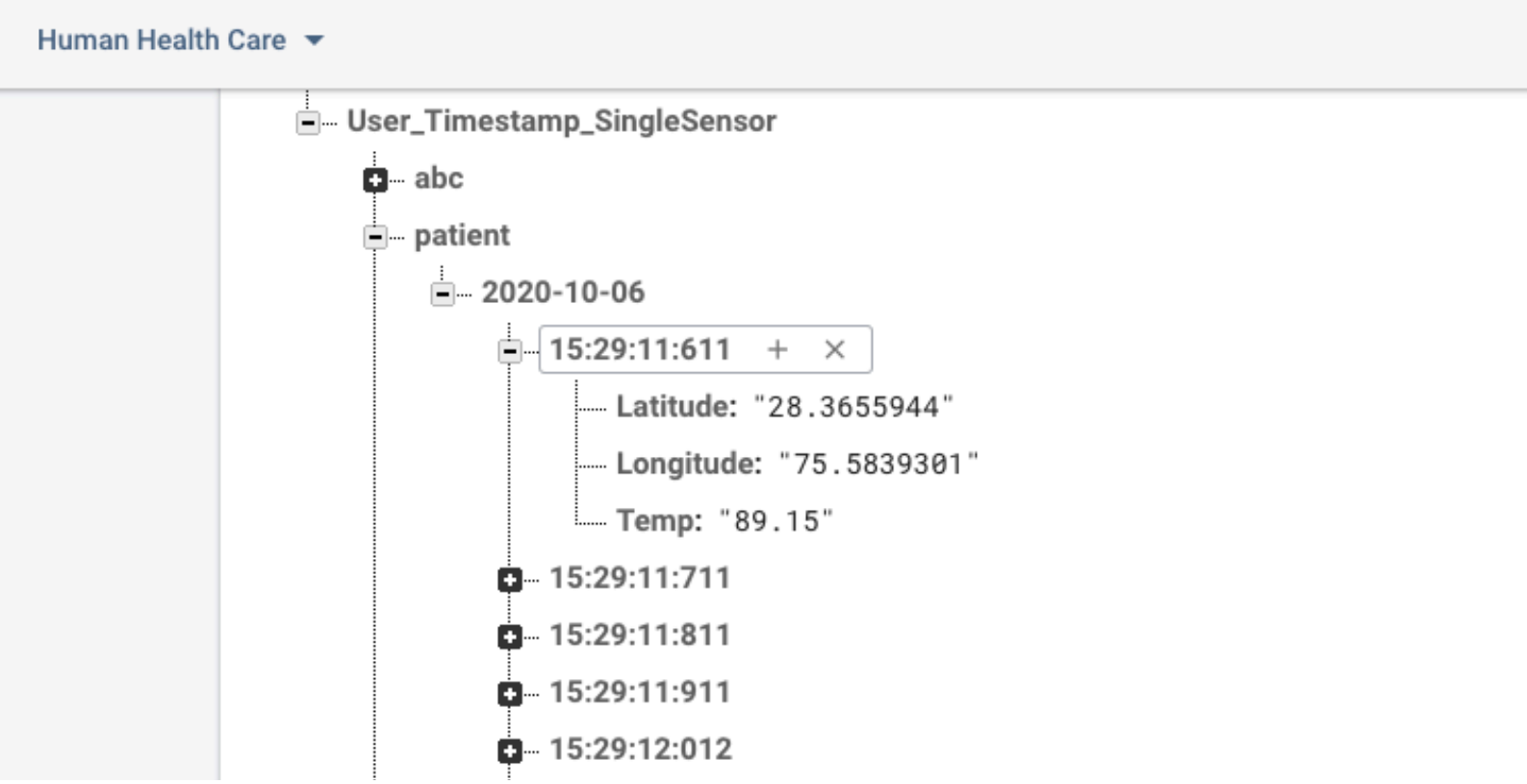


figure p-The database entries corresponding to which webpage is updated

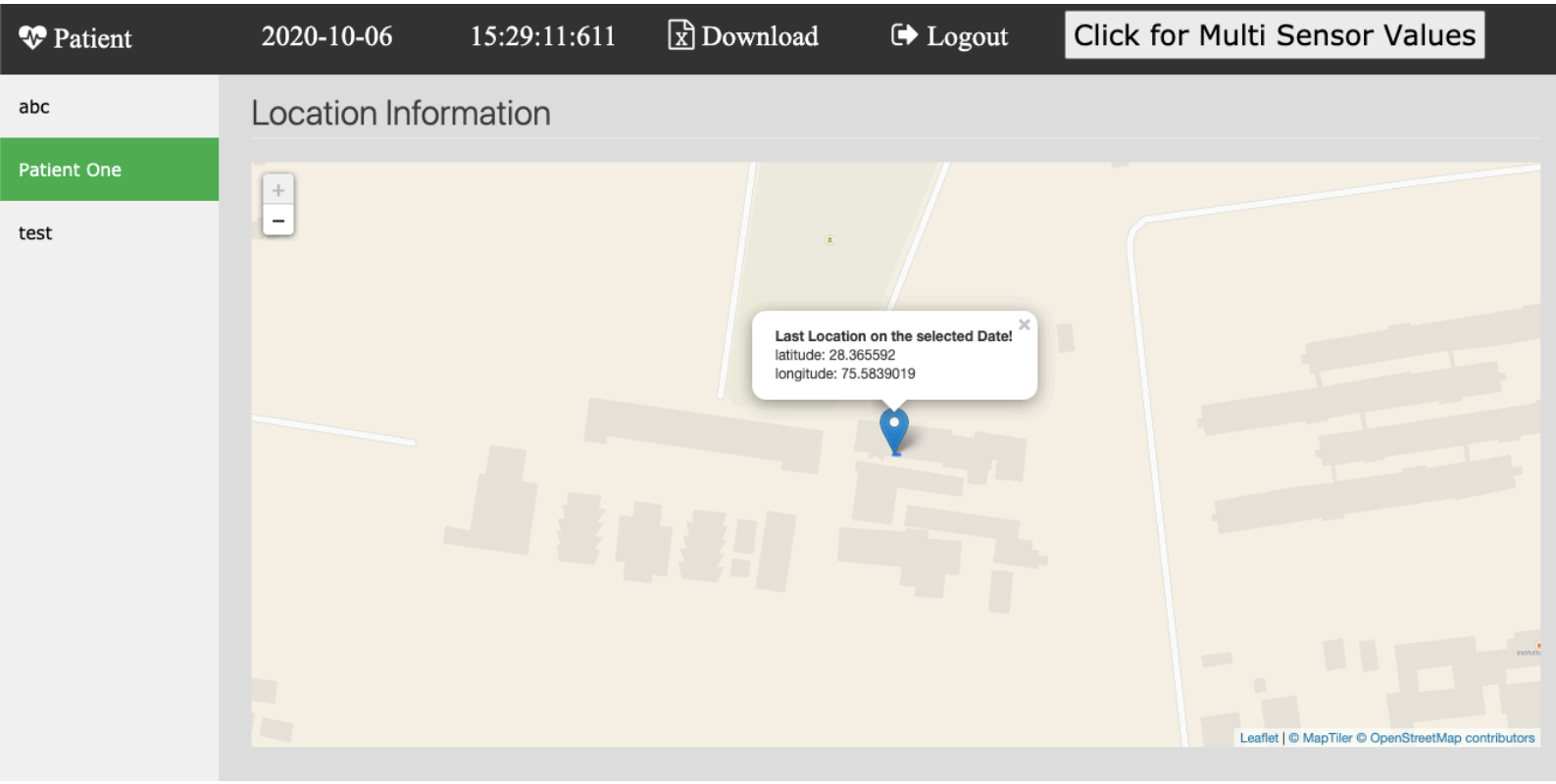


figure q- Webpage showing patient's location on a particular date and time

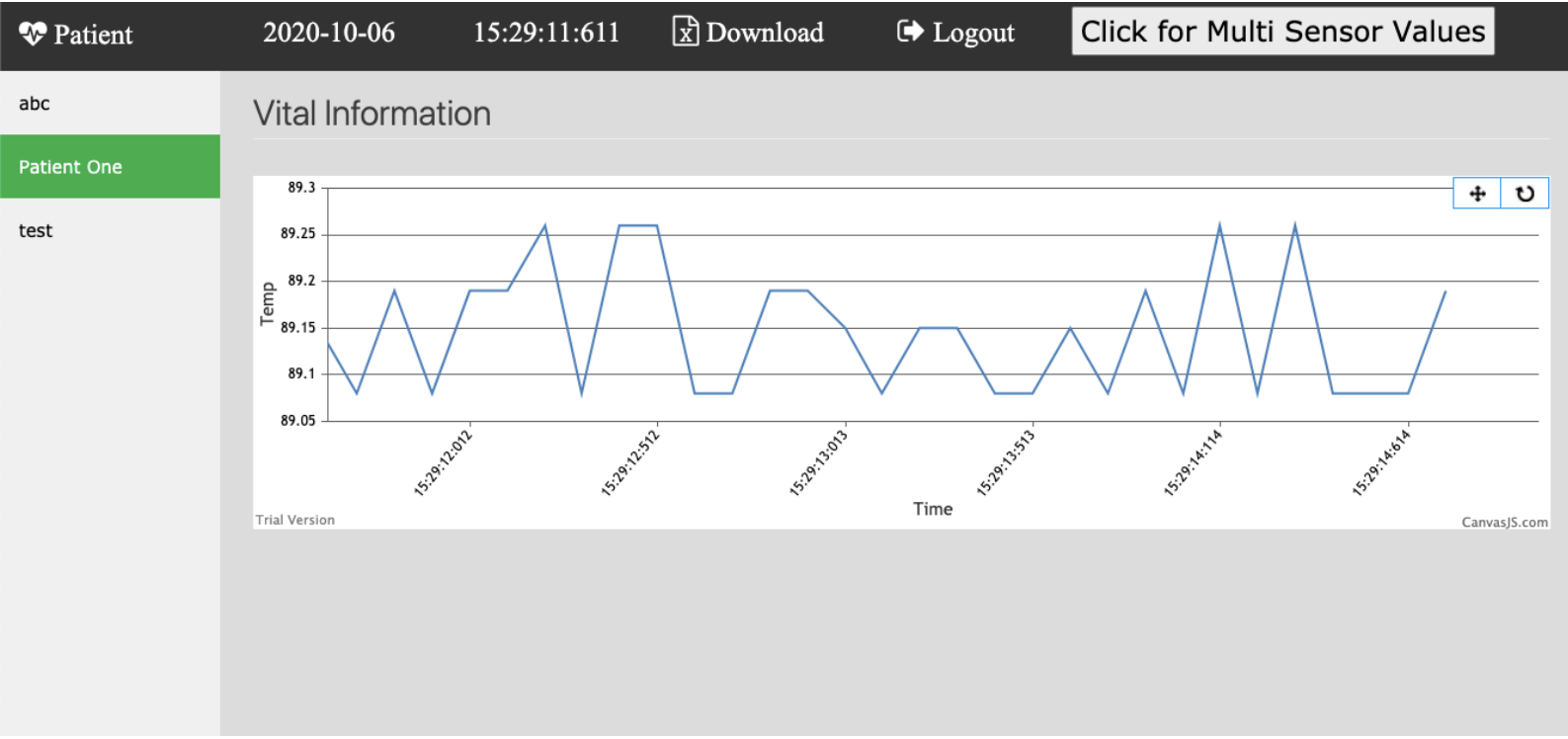


figure r- Graphical representation for Temperature Values

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 cod-ing style.

Images (folder) E

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