User Documentation

(HDAD: Heart Diagnostics and Analytics Dashboard)

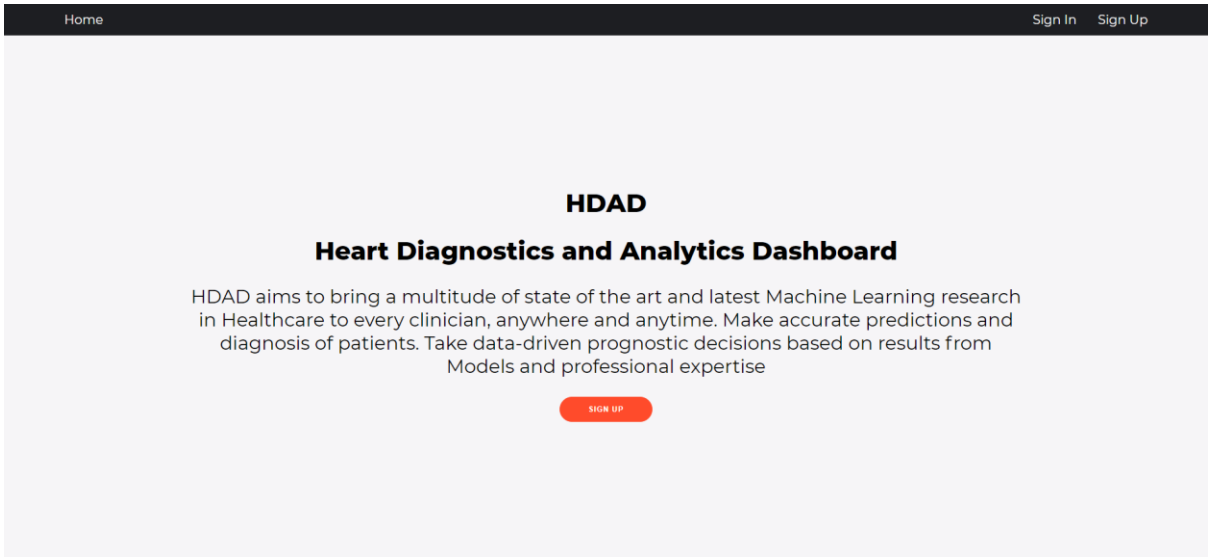
System Requirements

You may run the system web interface application any OS including Windows XP, Windows Vista, Windows 7, MAC OS, Android, IOS, or Unix Firefox and Chrome

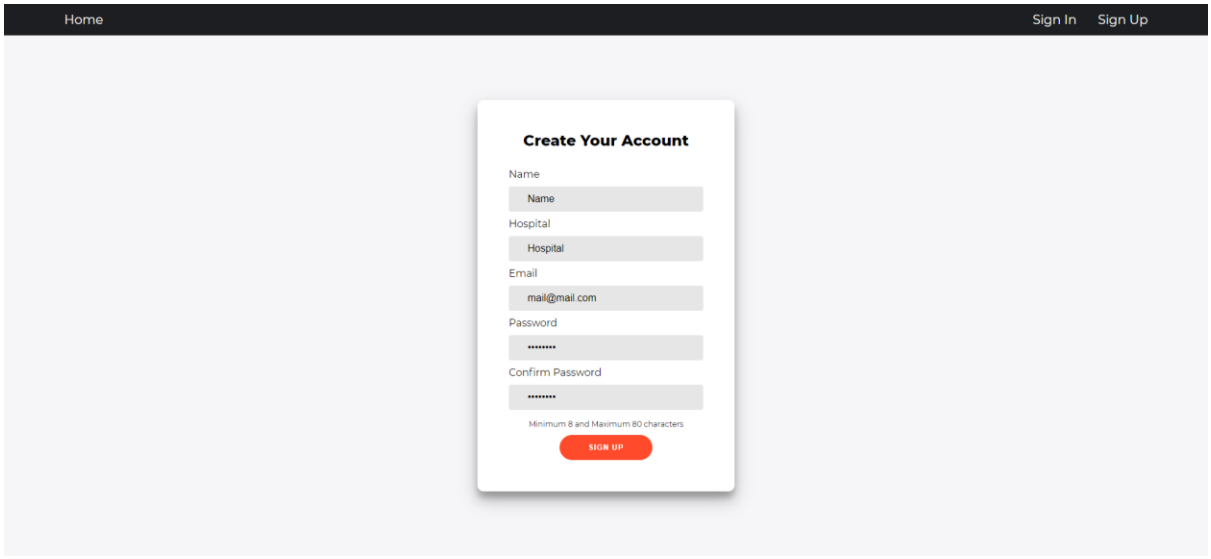
Access to the web application

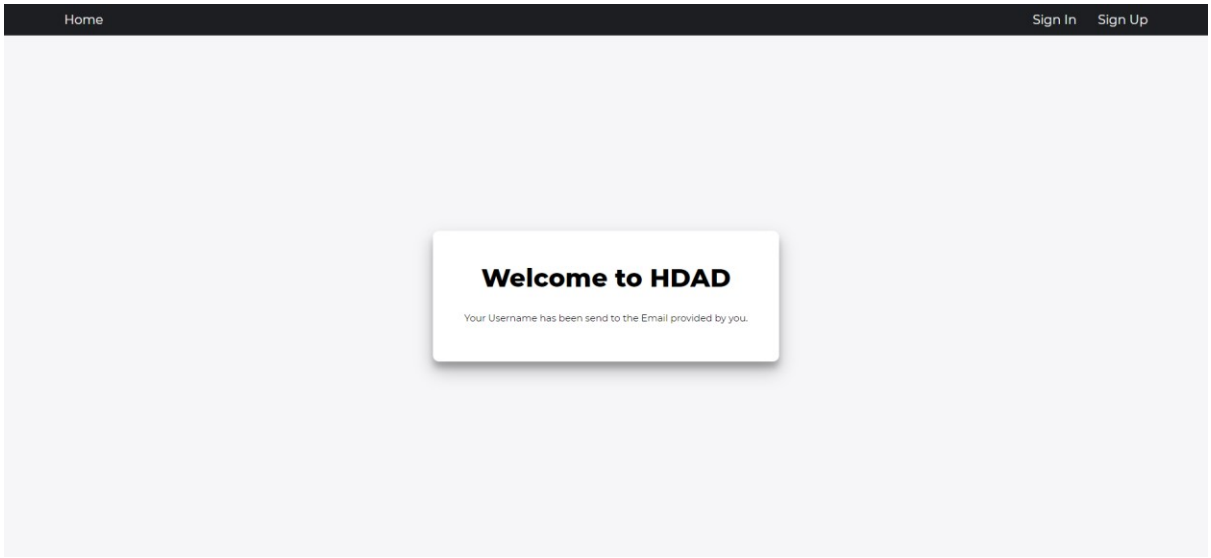
Any user having internet connection and using one the listed browsers can access the web interface application using the following link: https://hdad.herokuapp.com

1. **Homepage**
   a. This is the first page displayed on the app.
   b. This Page contains some information about our app, a button to the sign-up page and some Navigation links at top of the page.

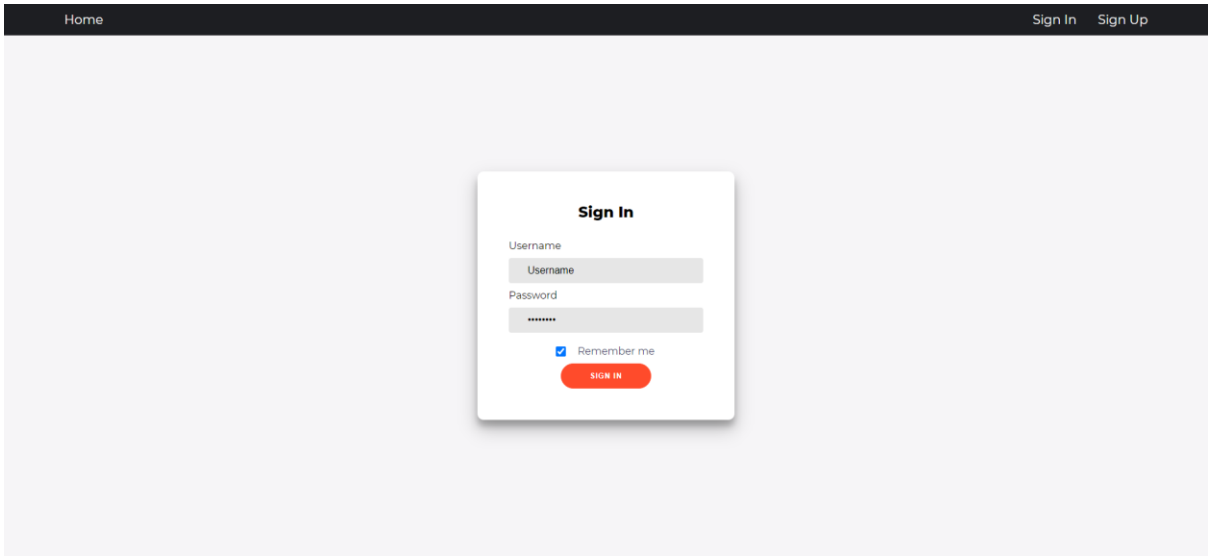


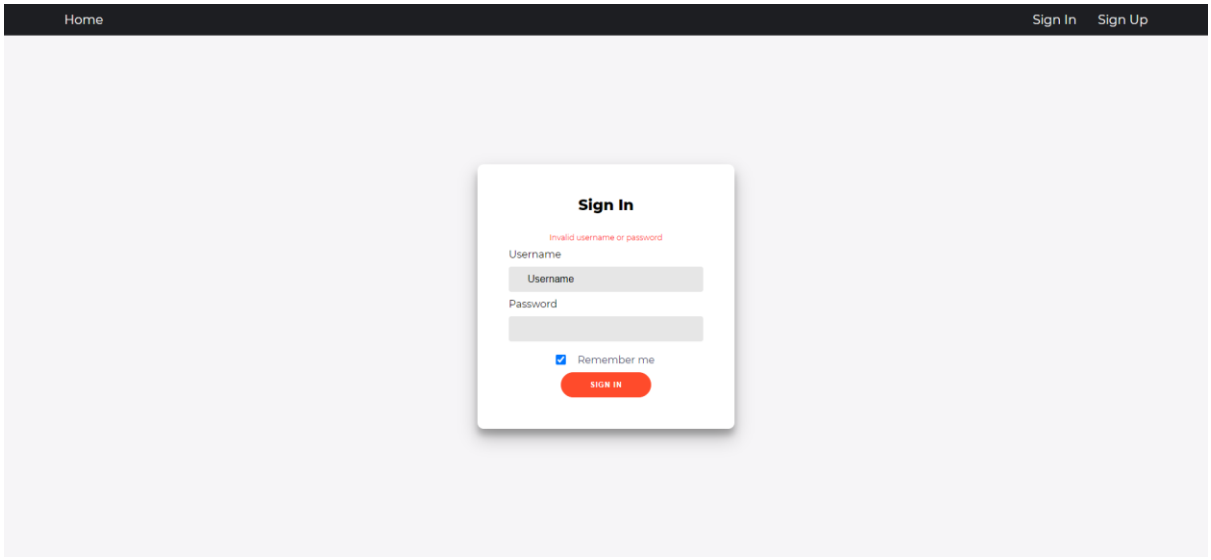
2. **Sign Up Page (FR1-FR2)**
   a. The access to the application is restricted to authorized users only so the user has to create an account to use the application.
   b. Enter the details in the input boxes.
   c. After submitting you will be redirected to welcome page and your username will be sent to email provided by you.
   d. Now you can go to Sign In page by clicking on navbar on the top of application.



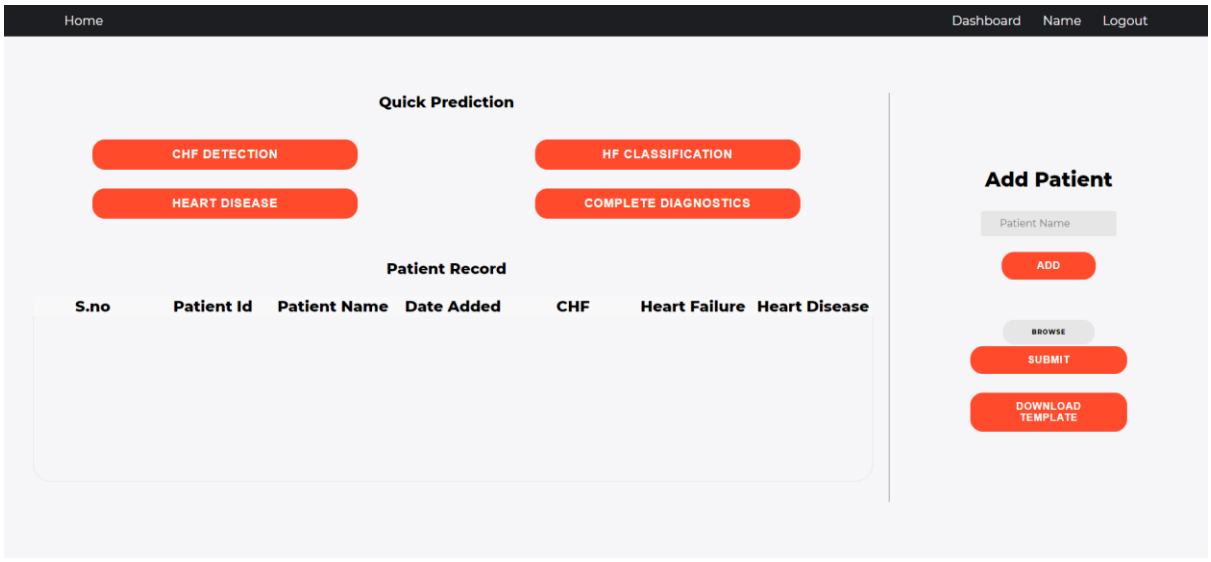


3. **Sign in Page (FR3, FR12)**
   a. The access to the application is restricted to authorized users only, each user should know his username and password.
   b. You can Sign in by entering your username and password.
   c. If the username and password are correct you will be redirected to the dashboard.
   d. If the any or both of password and username is wrong you will see a message saying “Invalid Username or Password.”





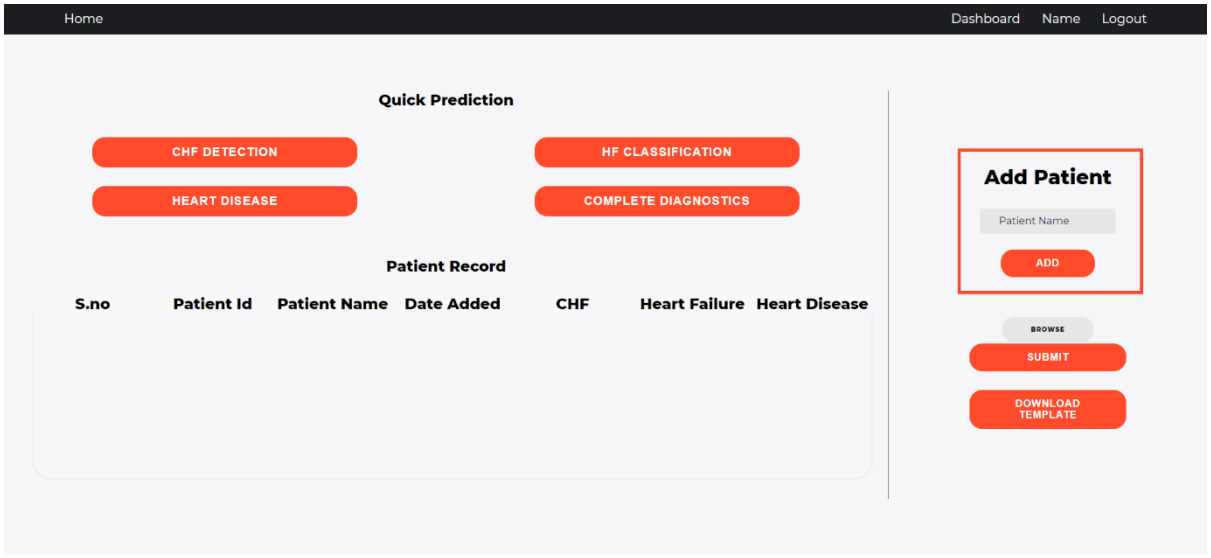
4. **Dashboard (FR4, FR7)**
   - The user can perform many tasks on the dashboard.

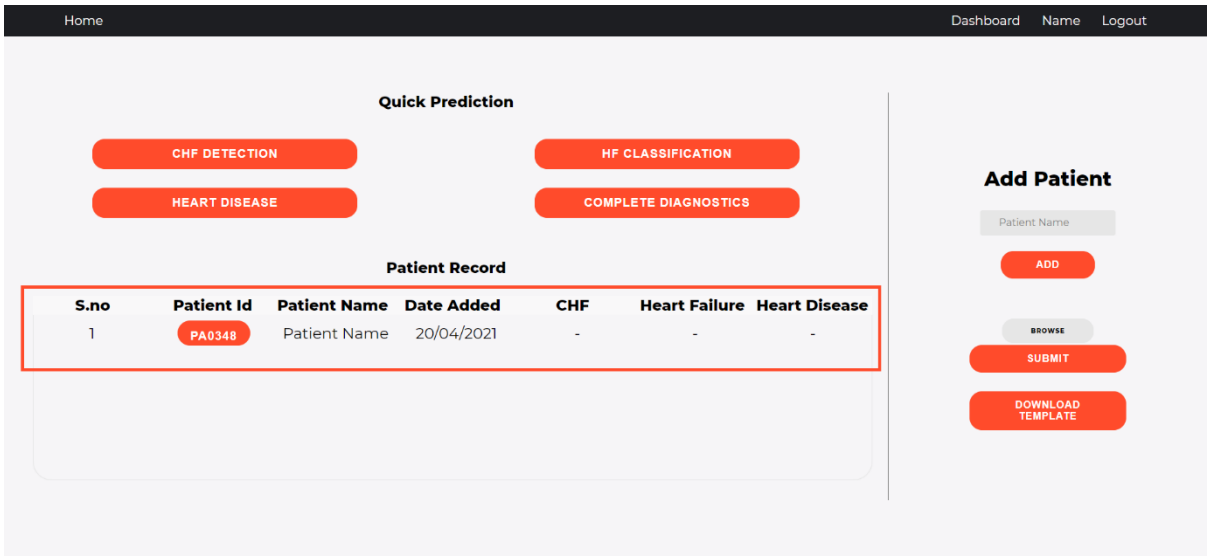


a. Adding Patient (FR5)

i. User can add patients to the application by providing the name of the patient.

ii. The Patient Name will be visible in the table along with the results of the last diagnostics of the patient.



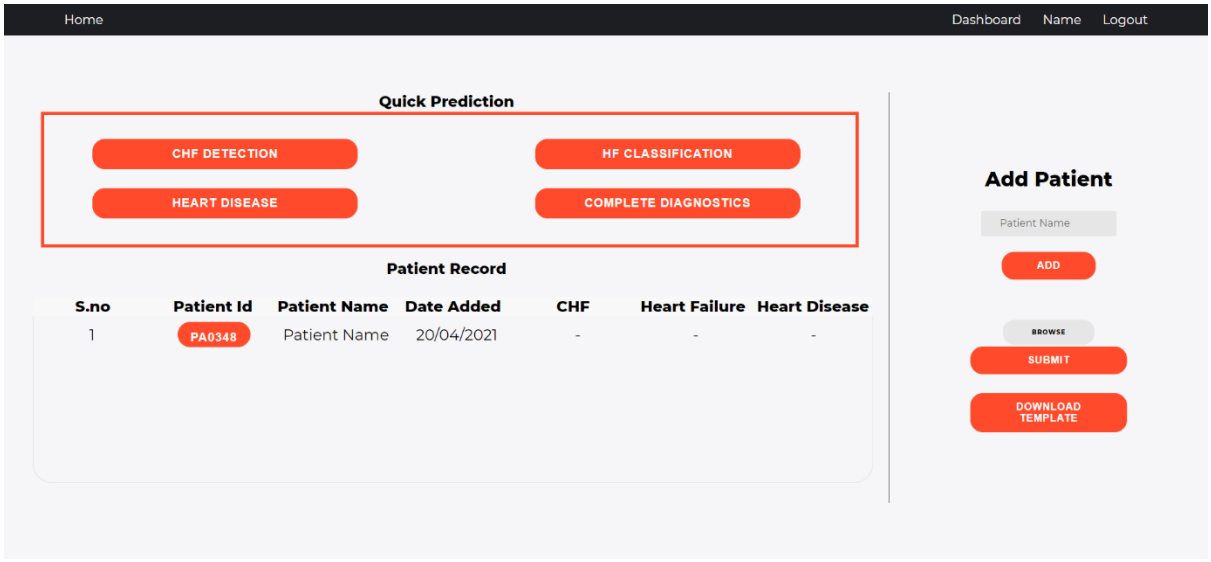


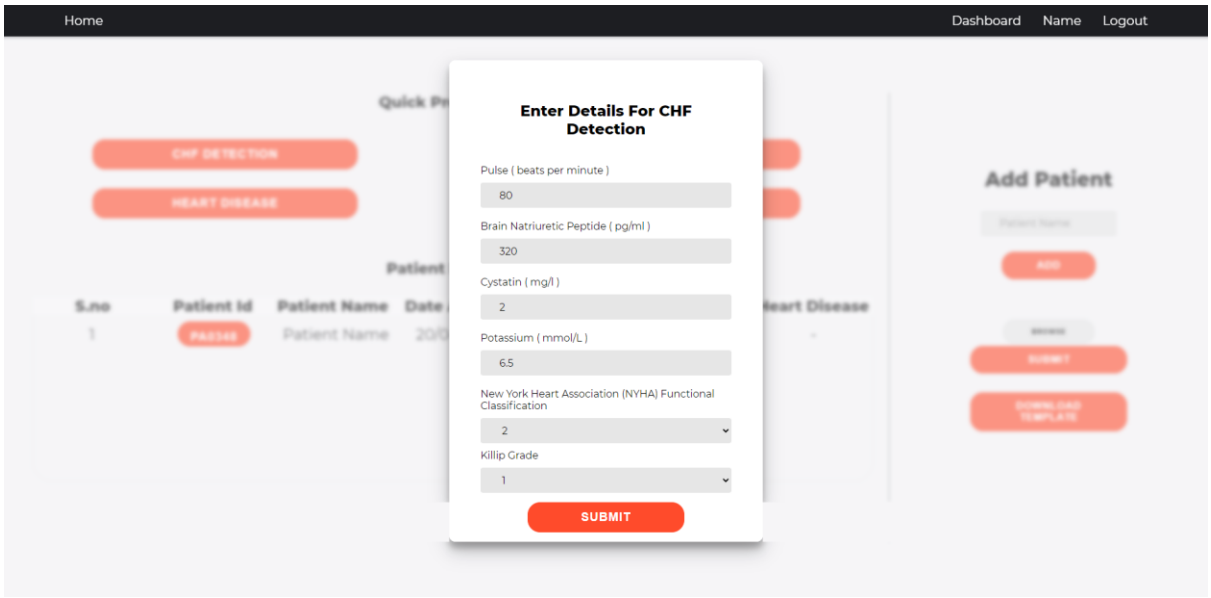
b. Quick Predictions (FR4)

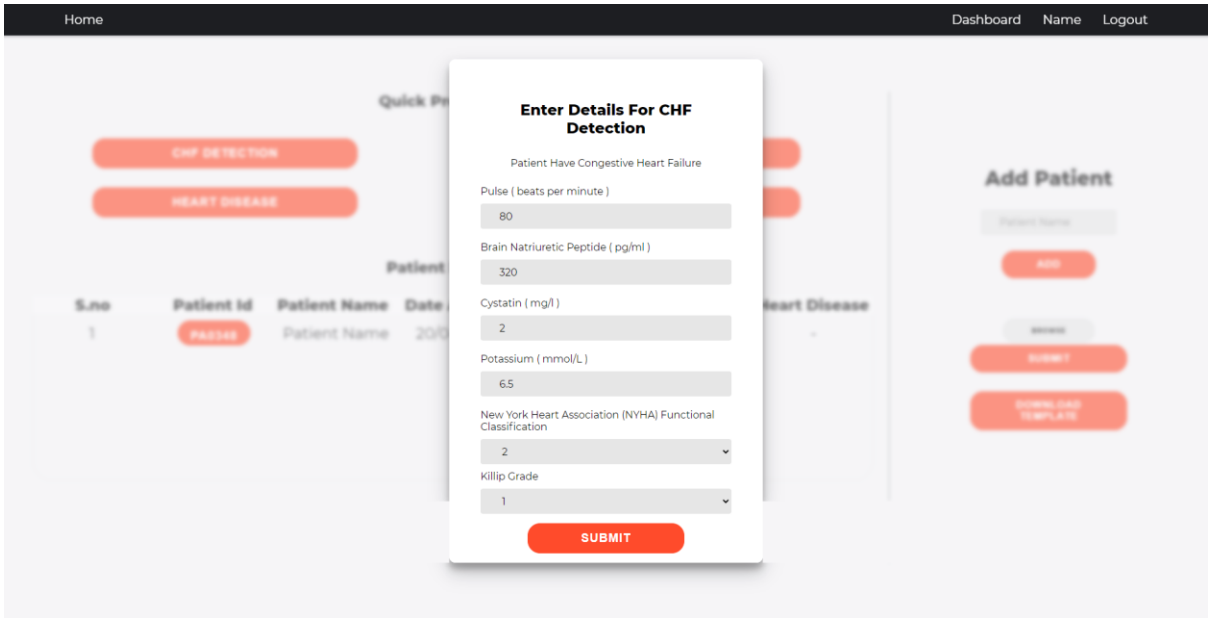
i. User can run quick predictions by providing correct details on the respective forms.

ii. The result of the prediction will be visible to the user.

Note: - The result of these predictions will not be saved



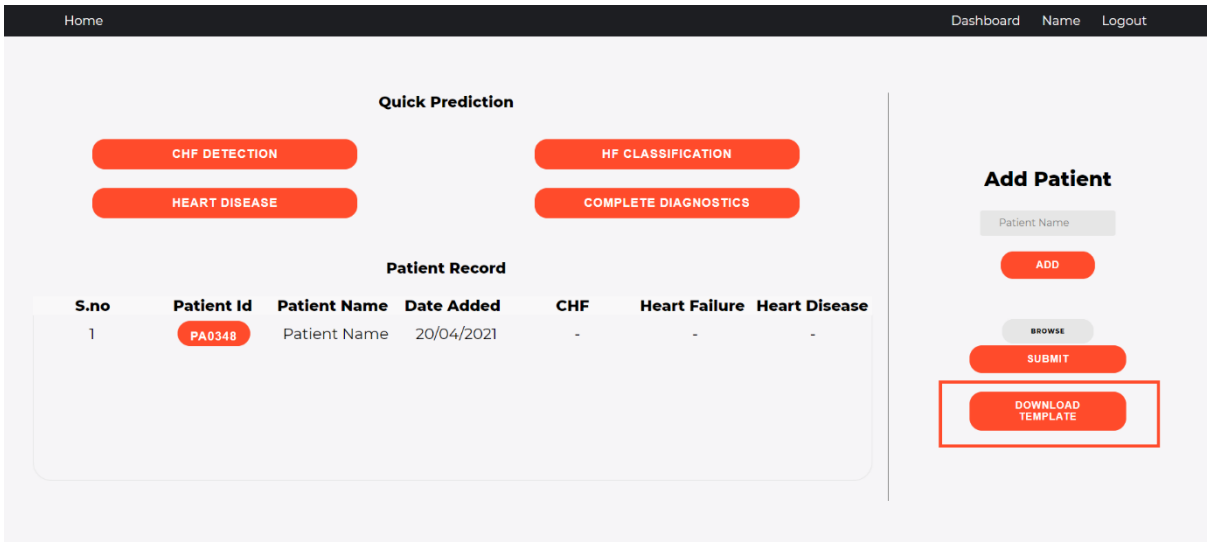




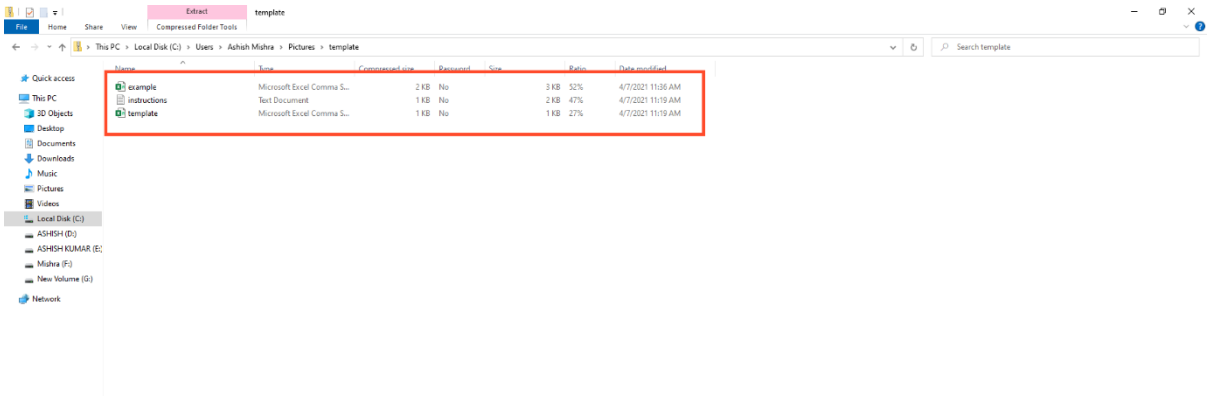
c. Adding Patients in Bulk (Added Feature)

The User can add multiple patients at once by following these steps: -

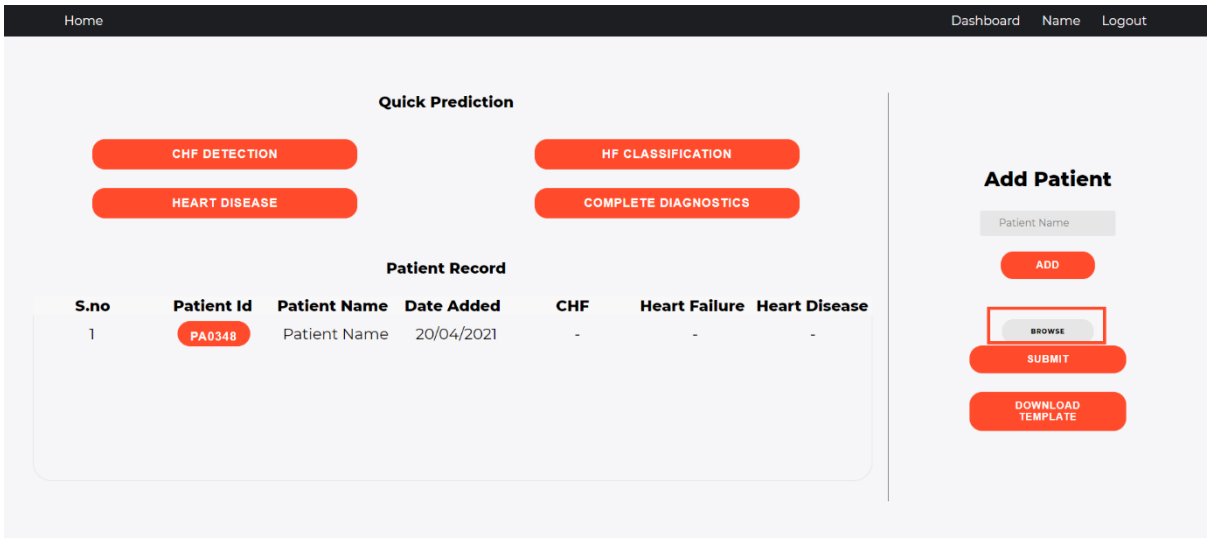
i. User can download the template for the file that has to be filled and uploaded by clicking on download template button.

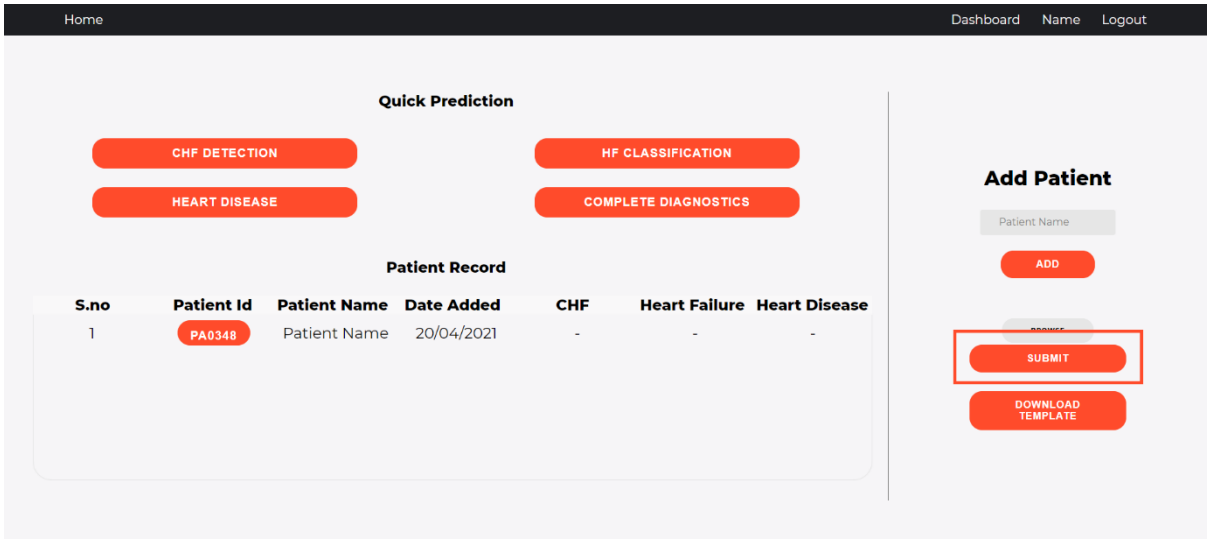


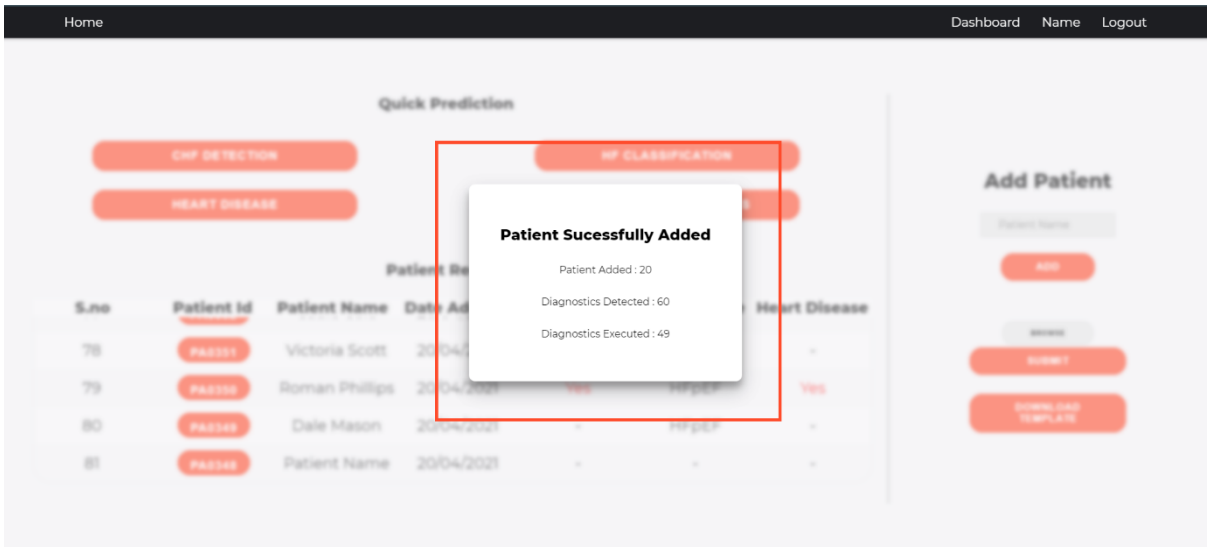
ii. A zip file will be downloaded that contain and example file and an instruction file to help fill the template properly.

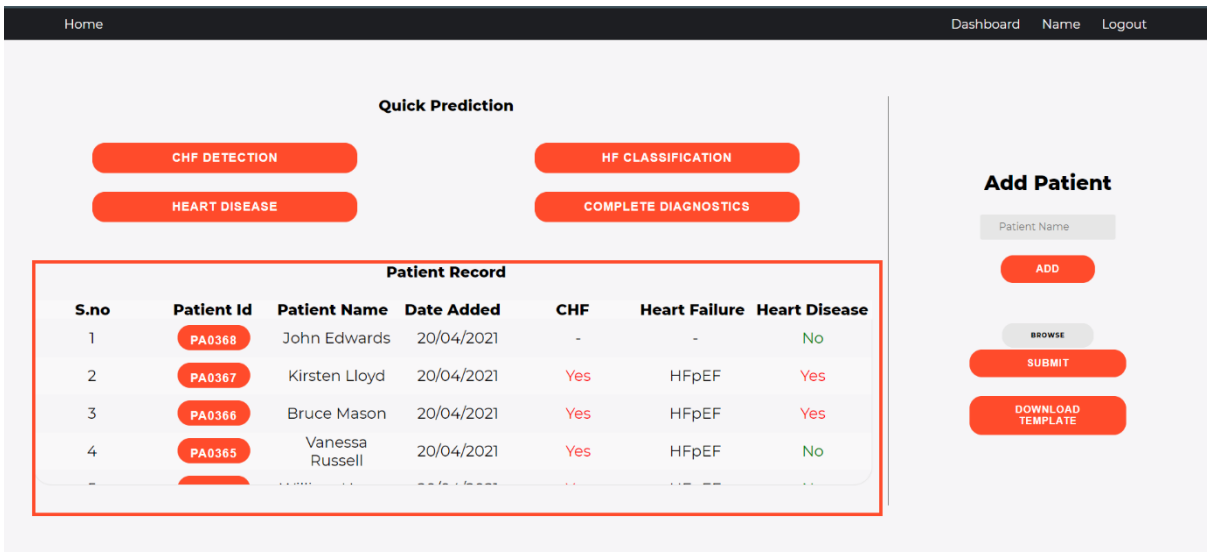


iii. After filling the csv file, the user can click on browse and select the csv and click on submit to start adding multiple patients at once.



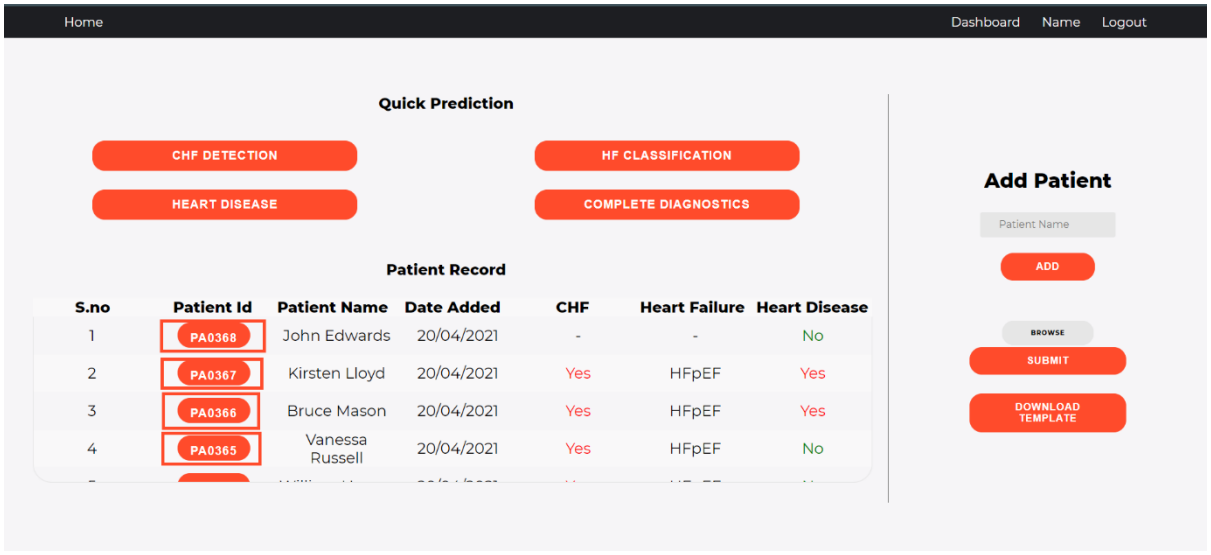




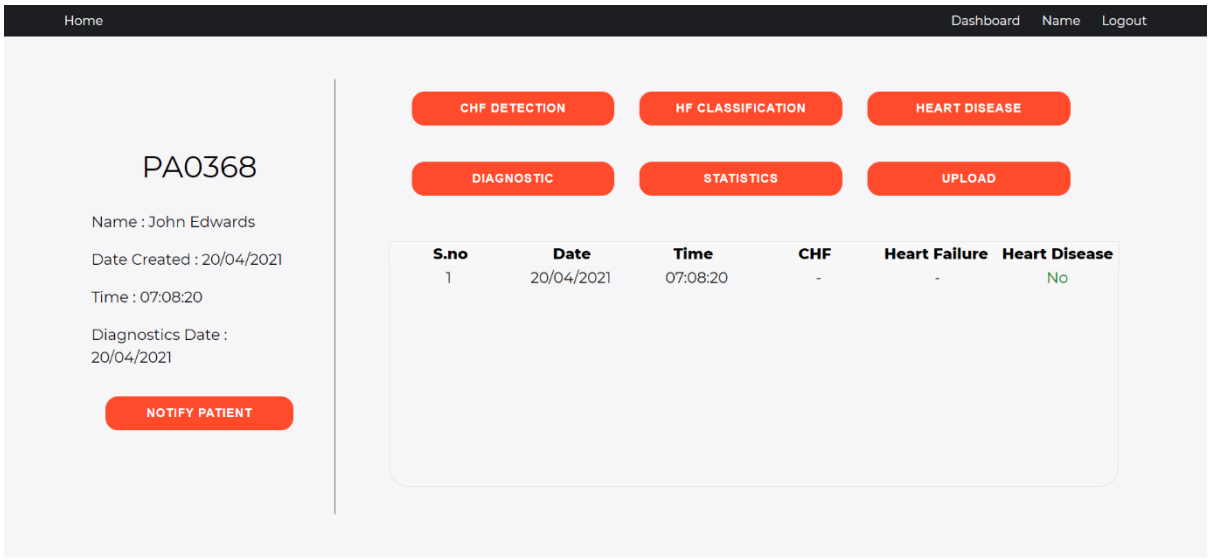


d. Patient Diagnostics (FR6)

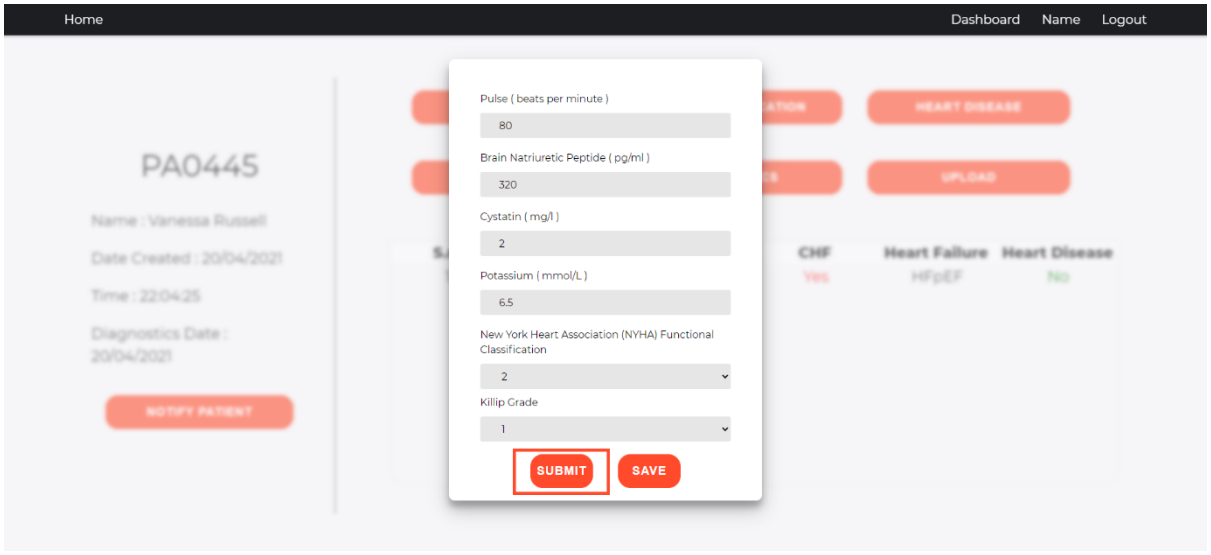
i. User can click on the patient id button to see patient details and run diagnostics on that particular Patient.

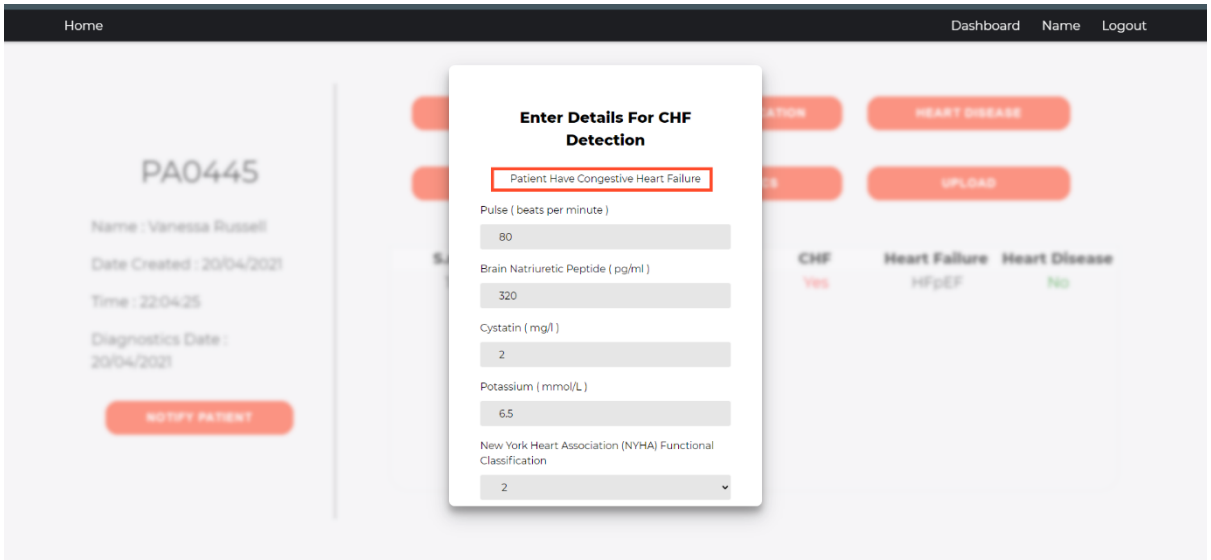


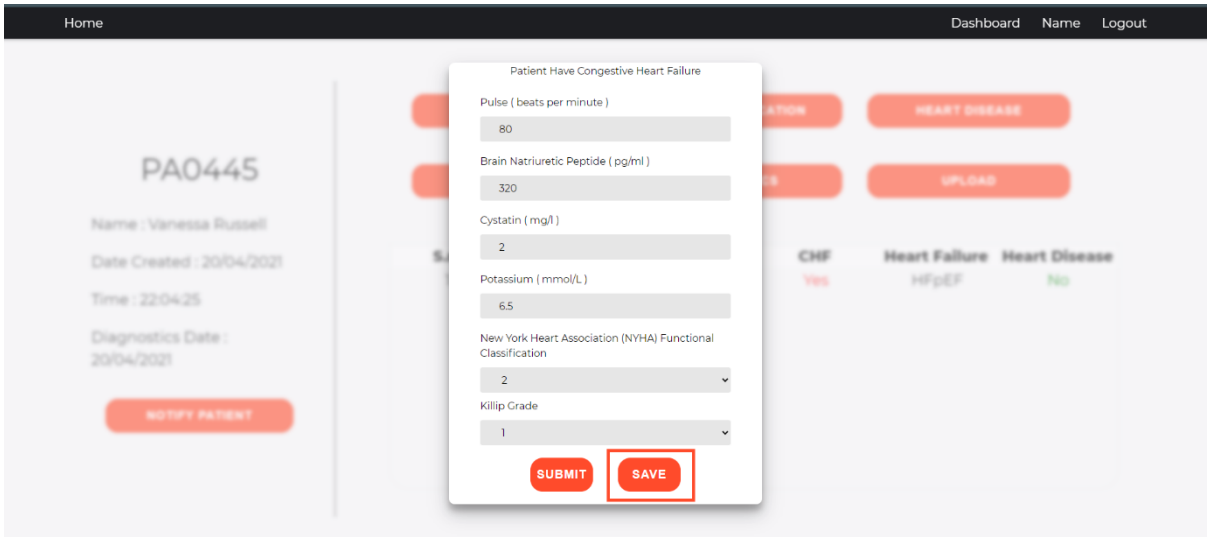
5. Patient Details Page
    - The User can perform many tasks on this page



    a. Predictions (FR5, FR6)
        i. This is same as quick predictions the only difference is that here the user can save the data if he/she wants to.
        ii. User can run quick predictions by providing correct details on the respective forms.
        iii. The result of the prediction will be visible to the user.


Home
Dashboard
Name
Logout
PA0445
Name : Vanessa Russell
Date Created : 20/04/2021
Time : 22:04:25
Diagnostics Date : 20/04/2021
NOTIFY PATIENT
Pulse (beats per minute)
80
Brain Natriuretic Peptide (pg/ml)
320
Cystatin (mg/l)
2
Potassium (mmol/L)
6.5
New York Heart Association (NYHA) Functional Classification
2
Killip Grade
1
SUBMIT
SAVE
HEART DISEASE
UPLOAD
CHF
Heart Failure
Heart Disease
Yes
HFpEF
No


Home
Dashboard
Name
Logout
PA0445
Name : Vanessa Russell
Date Created : 20/04/2021
Time : 22:04:25
Diagnostics Date : 20/04/2021
NOTIFY PATIENT
Enter Details For CHF Detection
Patient Have Congestive Heart Failure
Pulse (beats per minute)
80
Brain Natriuretic Peptide (pg/ml)
320
Cystatin (mg/l)
2
Potassium (mmol/L)
6.5
New York Heart Association (NYHA) Functional Classification
2
HEART DISEASE
UPLOAD
CHF
Heart Failure
Heart Disease
Yes
HFpEF
No


Home
Dashboard
Name
Logout
PA0445
Name : Vanessa Russell
Date Created : 20/04/2021
Time : 22:04:25
Diagnostics Date : 20/04/2021
NOTIFY PATIENT
Patient Have Congestive Heart Failure
Pulse (beats per minute)
80
Brain Natriuretic Peptide (pg/ml)
320
Cystatin (mg/l)
2
Potassium (mmol/L)
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New York Heart Association (NYHA) Functional Classification
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Killip Grade
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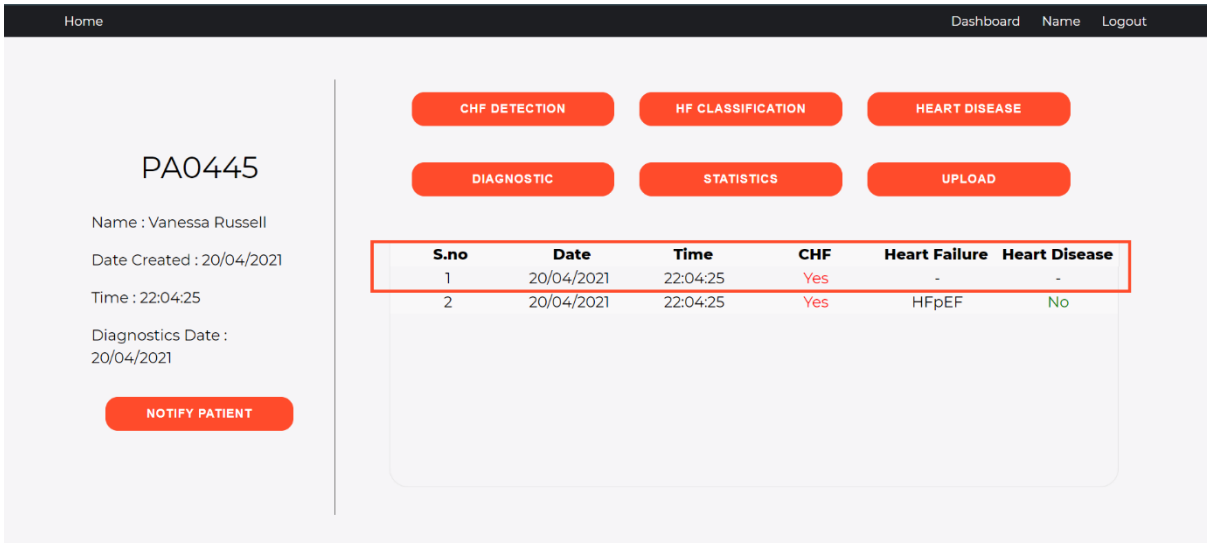
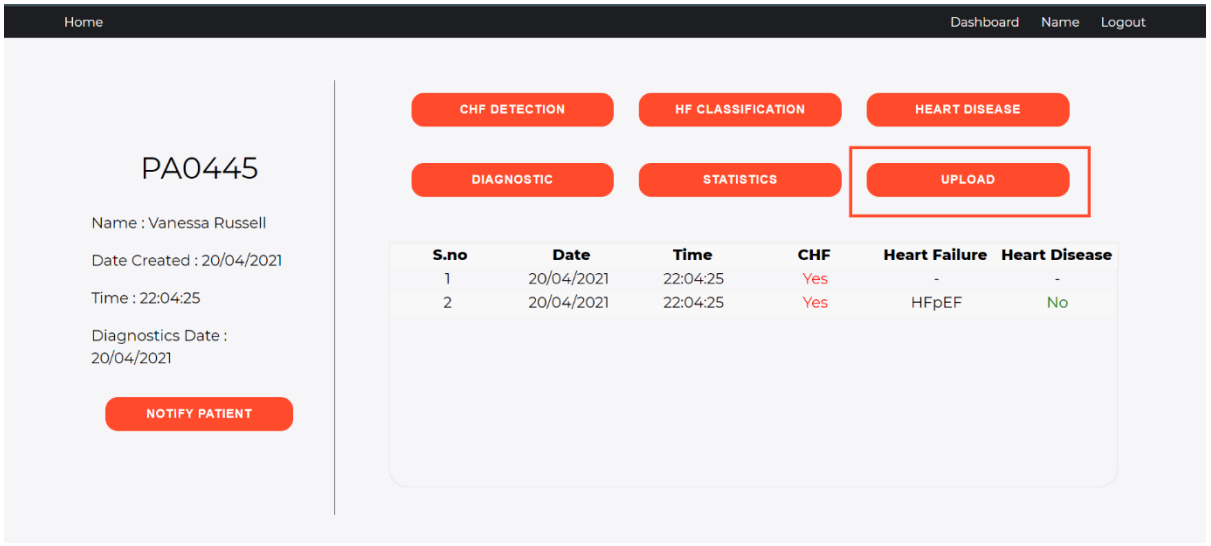
SAVE
HEART DISEASE
UPLOAD
CHF
Heart Failure
Heart Disease
Yes
HFpEF
No

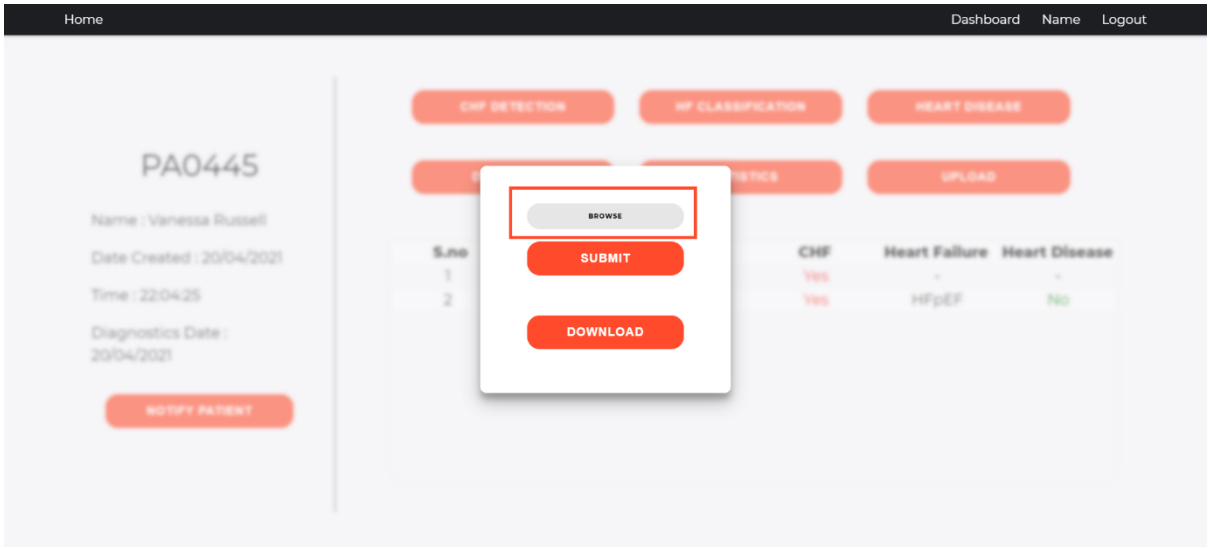


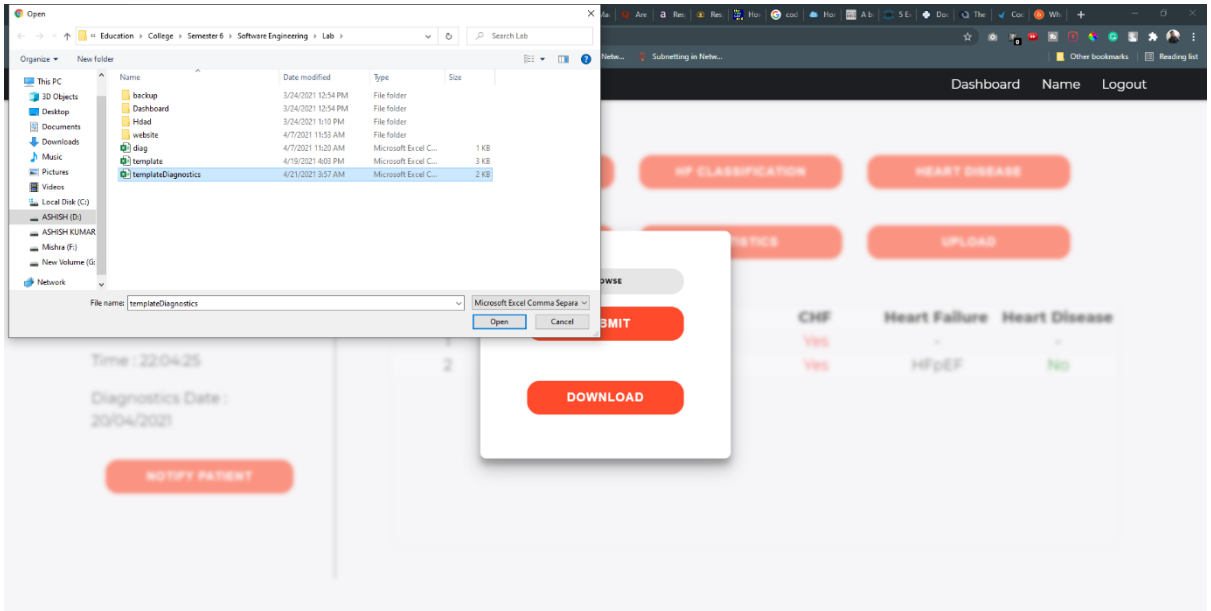
b. Bulk Diagnostics (Added Feature)

The User can add multiple diagnostics at once by following these steps: -

i. All the buttons for this function are available inside the popup that is shown when user click on upload.
ii. User can download the template for the file that has to be filled and uploaded by clicking on download template button.
iii. A zip file will be downloaded that contain an example file and an instruction file to help fill the template properly.
iv. After filling the csv file, the user can click on browse and select the csv and click on submit to start adding multiple diagnostics at once.




Home
Dashboard
Name
Logout
PA0445
Name : Vanessa Russell
Date Created : 20/04/2021
Time : 22:04:25
Diagnostics Date : 20/04/2021
NOTIFY PATIENT
CHF DETECTION
HF CLASSIFICATION
HEART DISEASE
UPLOAD
BROWSE
SUBMIT
DOWNLOAD
S.no
CHF
Heart Failure
Heart Disease


Open
Education › College › Semester 6 › Software Engineering › Lab ›
Search Lab
Organize
New folder
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
ASHISH (D:)
ASHISH KUMAR
Mishra (F:)
New Volume (G:)
Network
Name
Date modified
Type
Size
backup
Dashboard
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website
diag
template
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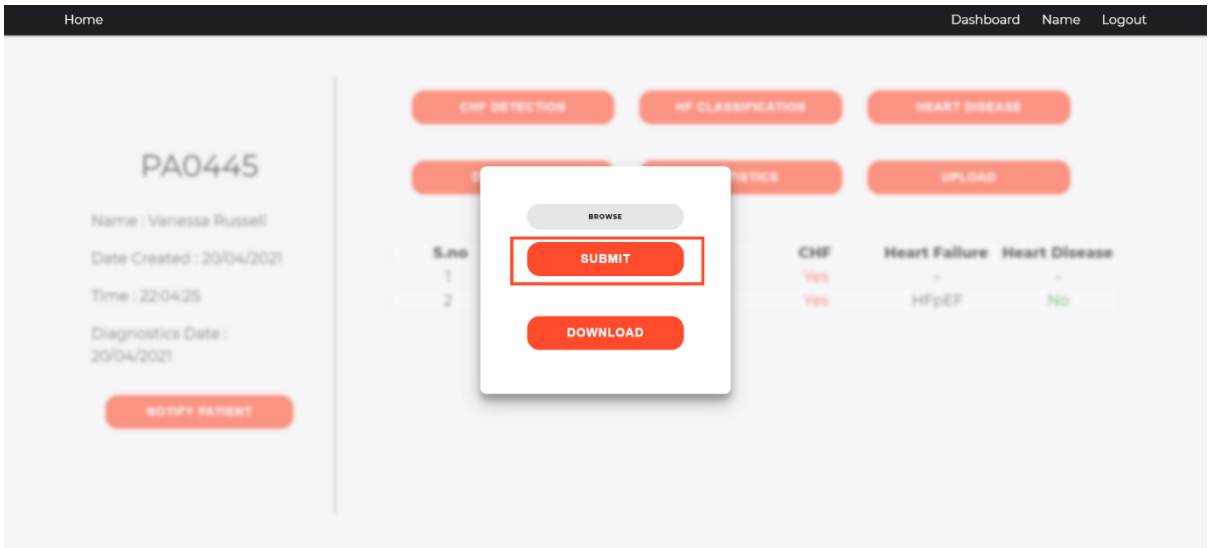
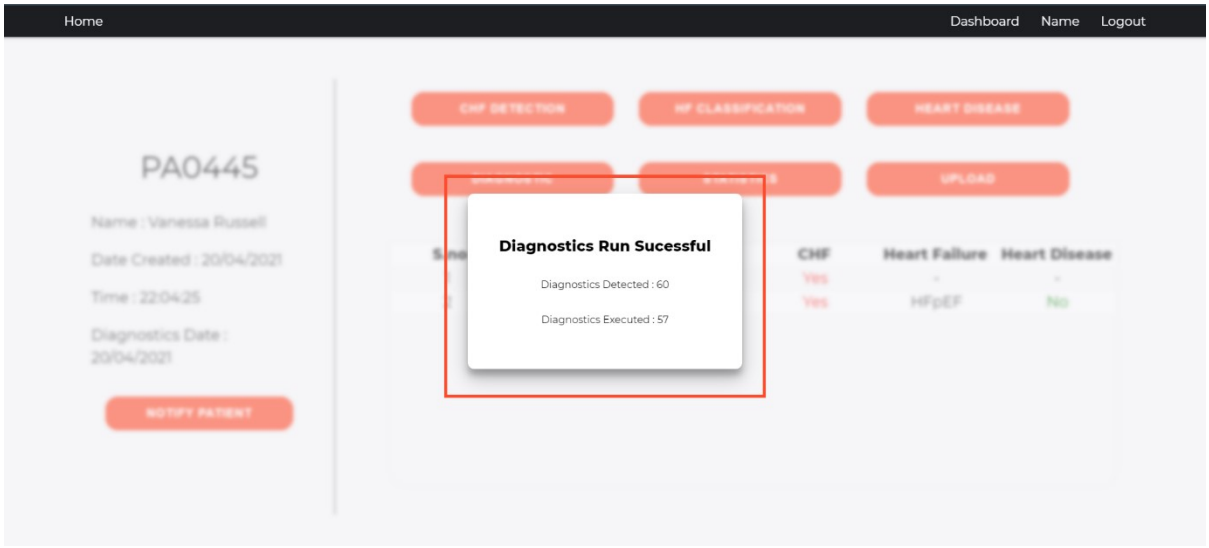
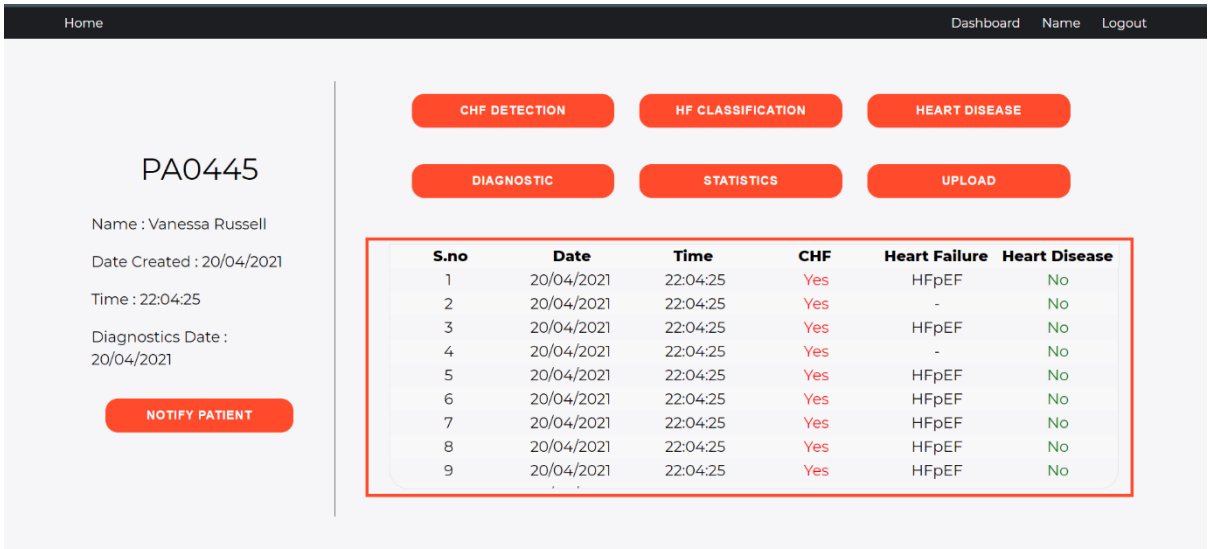
File name: templateDiagnostics
Microsoft Excel Comma Separa
Open
Cancel
Dashboard
Name
Logout
DOWNLOAD

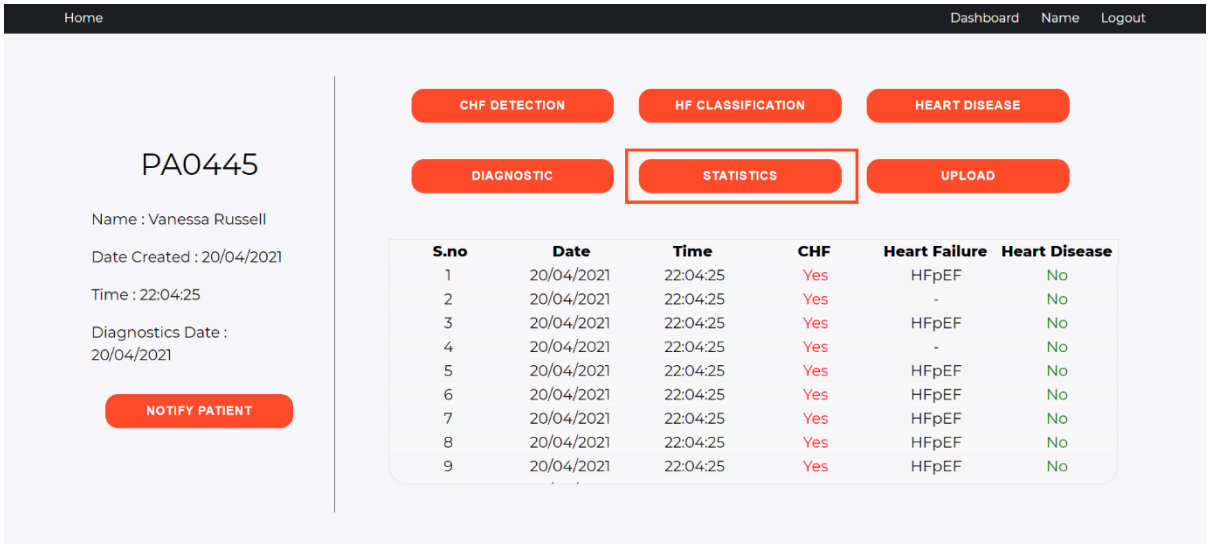

Home
Dashboard
Name
Logout
PA0445
Name : Vanessa Russell
Date Created : 20/04/2021
Time : 22:04:25
Diagnostics Date : 20/04/2021
NOTIFY PATIENT
CHF DETECTION
HF CLASSIFICATION
HEART DISEASE
UPLOAD
BROWSE
SUBMIT
DOWNLOAD
S.no
CHF
Heart Failure
Heart Disease

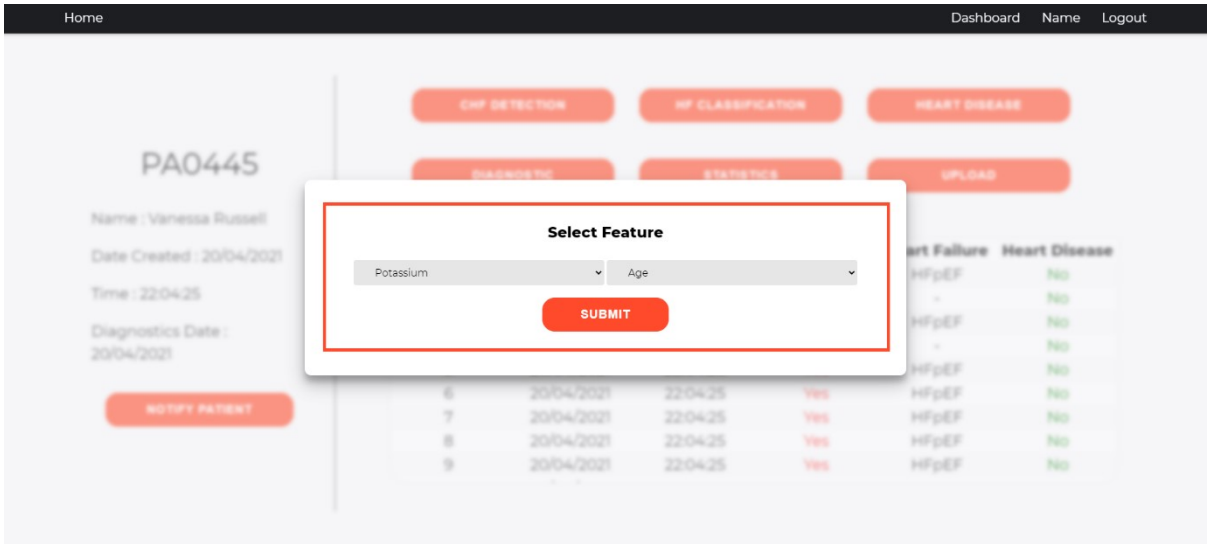


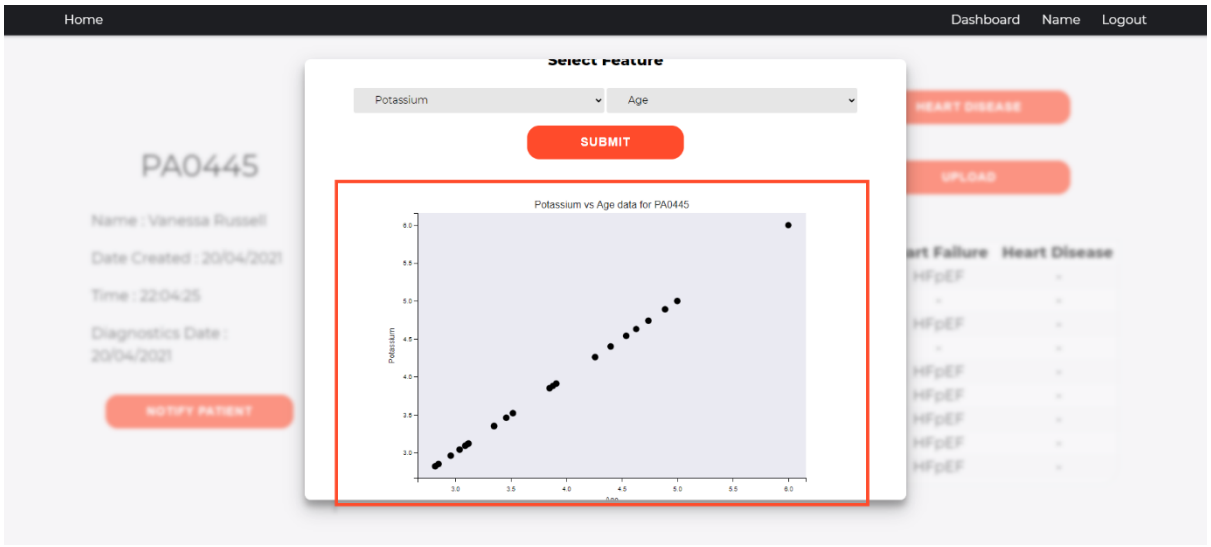


c. Statistics (FR9)

i. User can view statistics of each feature against time and against other features by clicking on the statistics button and selecting the features.

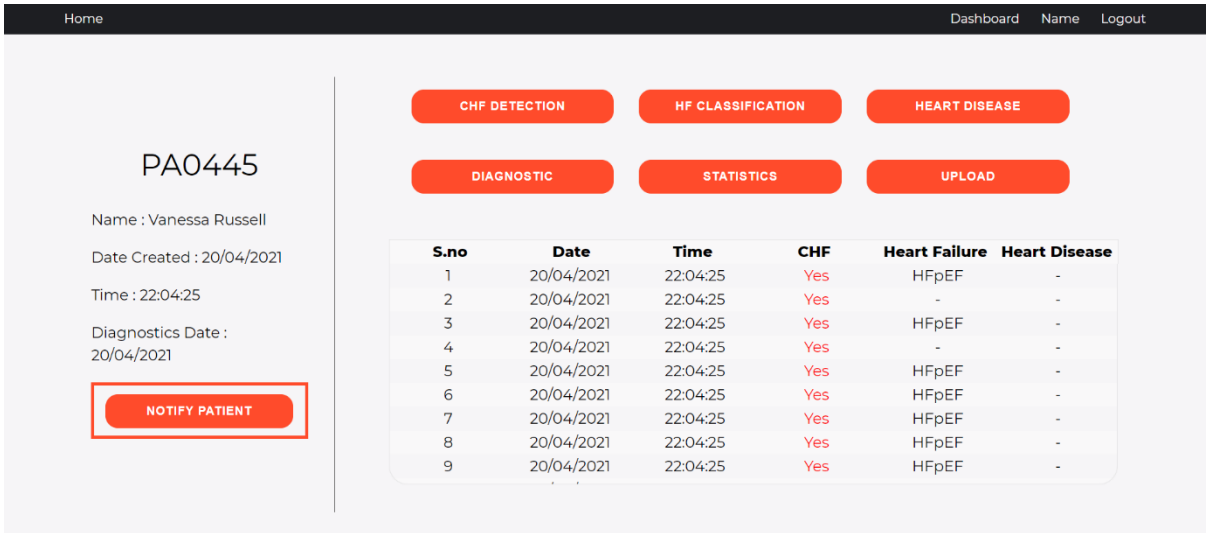


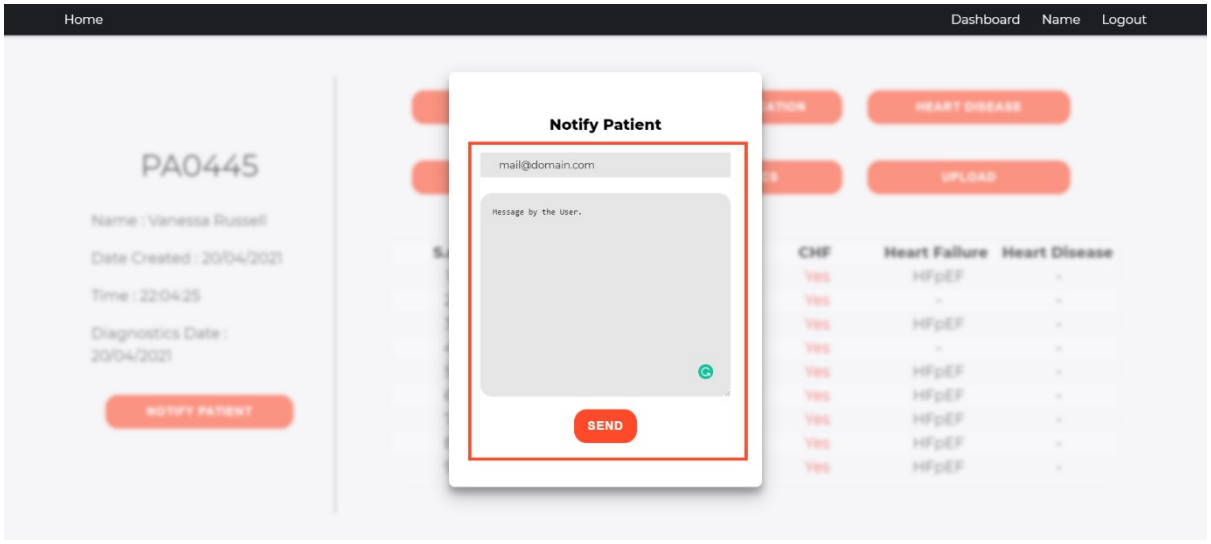




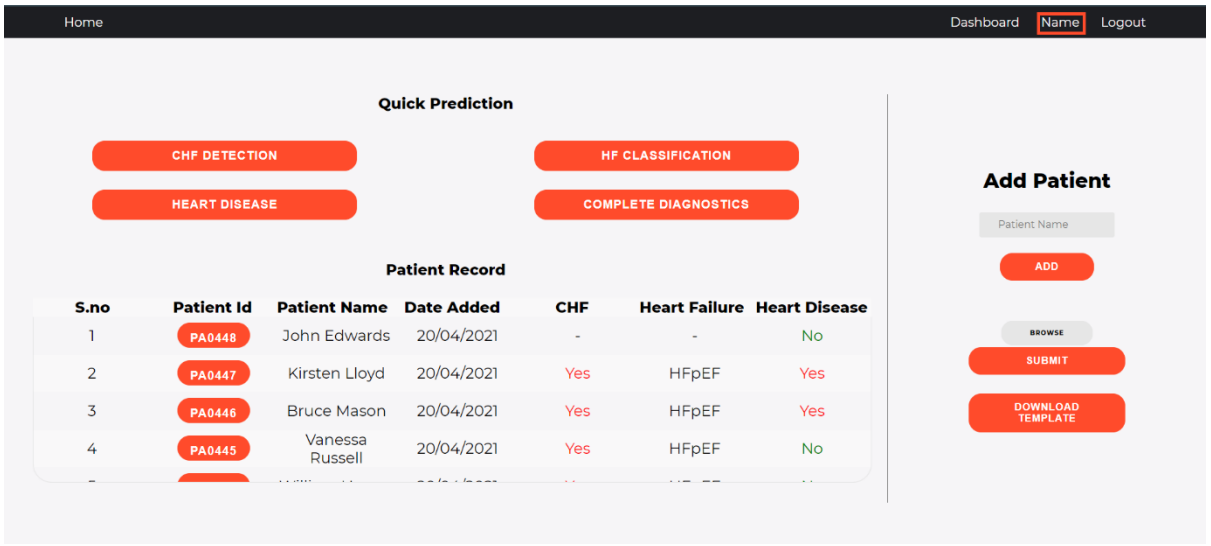
d. Notify Patient (FR8)

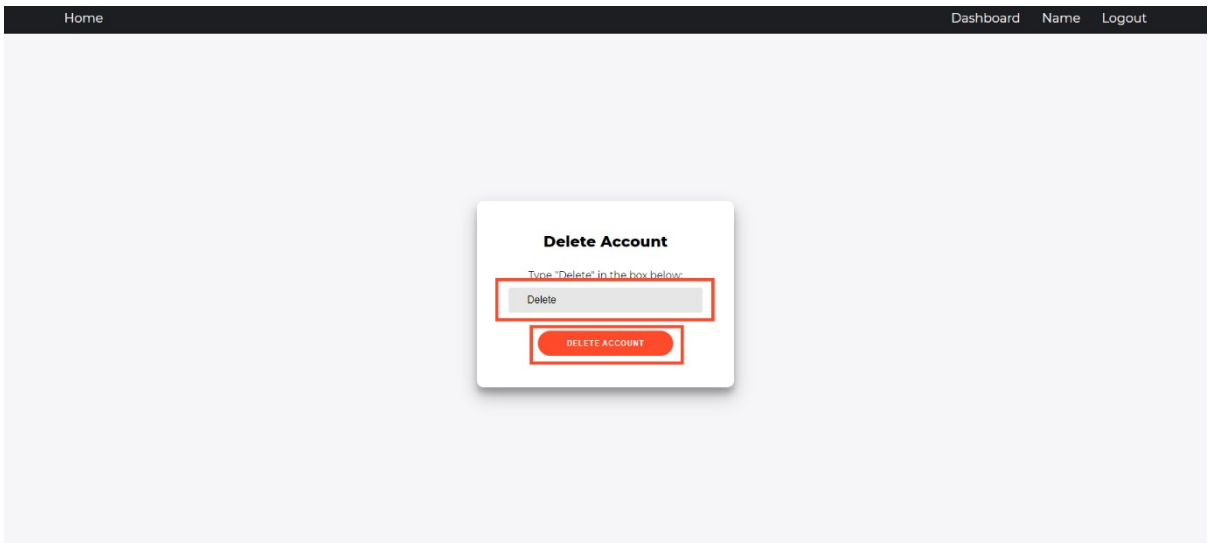
i. User can Notify Patient by clicking on Notify Patient Button and entering the email of the patient and the message and clicking on send button.

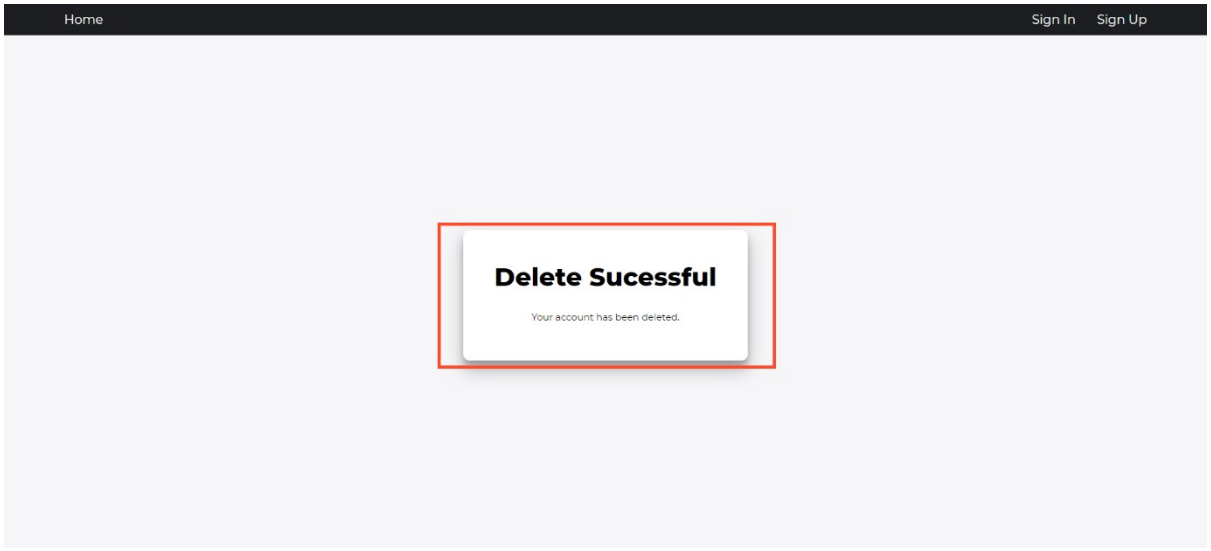




6. **Profile (FR10)**
   a. User can open their profile by clicking on their name on the navbar on top of application.
   b. It contains only one functionality i.e. to delete one's account.
   c. User can delete their account by typing "Delete" in the field and submitting it. And the User's account will be deleted and the User will be prompted with Delete Sucessful message.






Home
Sign In
Sign Up
Delete Sucessful
Your account has been deleted.