SPRINT-4

Date	06 November 2022
Team ID	PNT2022TMID53213
5	Visualizing and Predicting Heart Diseases with an Interactive Dash Board
Marks	10 marks

Features Implemented:

User Interactive Dashboard

User can predict whether they have heart disease or not

They can visualize and see in which category they falls

Requirements:

Flask

Python

Ml model

Using Python and Flask open source python framework we created the backend.py in which rendered the frontend.html webpage where simple ui of the app we created will be shown and pickle file is created as model using logistic regression as it has highest accuracy in the implementation which is 89%.

We used model.pkl file and loaded in backend.py which integrate and display frontend.html which consists form to collect user data and send it to backend.py and thus the model is used there to predict and thus the result is rendered in other page which is result.html.

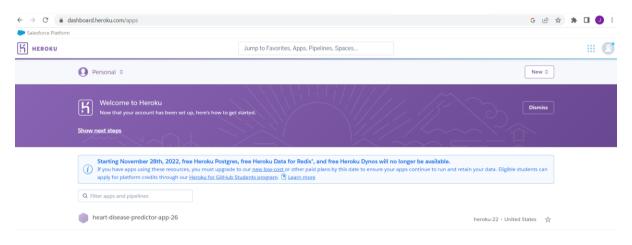
Using the page the user can visualize in the dashboard using the given link the app created in Heroku cloud.

Implementation

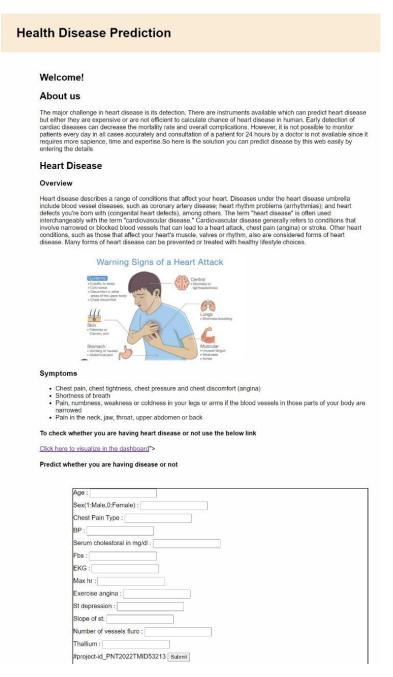
return render_template('result.html',resultvalue=senddata)

if __name__ == '__main__':
 app.run()

Heroku



Webapp deployed in Heroku



Debugging & Traceability:

Each Feature is handled and any exceptions are reported with a user interface. Exception handling involves handling the unexpected situation and thus performing actions