

## User Acceptance Testing (UAT)

Date	18 November 2022
Team ID	PNT2022TMID52997
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard
Maximum Marks	10 Marks

### Purpose of Document

The purpose of this document is to briefly explain the test coverage and open issues of the (Visualizing and Predicting Heart Diseases) project at the time of the release to User Acceptance Testing (UAT).

#### 1. Using ML model predicting whether the person having heart disease or not

##### Sample Result:

```
[21] s_pred = rf_classifier.predict([[40,1,2,120,200,1,0,150,0,0.3,1,1,4]])
      if(int(s_pred)==2):
          op="Present"
      else:
          op="Absent"
      print("Predicted Heart condition:",op)
```

Predicted Heart condition: Absent

```
[24] s_pred = rf_classifier.predict([[70,1,4,130,322,0,2,109,0,2.4,2,3,3]])
      if(int(s_pred)==2):
          op="Present"
      else:
          op="Absent"
      print("Predicted Heart condition:",op)
```

Predicted Heart condition: Present

## Sample Result:


### 2.Created Website for Prediction And Visualization

Visualizing and Predicting Heart Diseases with an Interactive Dash Board

HomeLoginRegisterPredictionVisualisations

About Project


This is a student project which attemp's to predict the probability of either a haart disease being present or absent based on health details of the user (blood pressure, haart rate, cholesterol levels, thelimum levels etc). The project attempts to make heart disease prediction more accessible and affordable to people healing from a variety of backgrounds.



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Visualizing and Predicting Heart Diseases with an Interactive Dash Board

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### Heart Disease Test Form

Age

40

Sex Male

Chest Pain Type Atypical Angina

Resting Blood Pressure in mm Hg

120

Serum Cholesterol in mg/dl

200

Fasting Blood Sugar > 120 mg/dl True

Resting ECG Results Normal

Maximum Heart Rate

150

Exercise Induced Angina No

ST Depression Induced

0.3

Slope of the Peak Exercise ST Segment Flat

Number of Vessels Colored by Flourosopy 1

Thalassemia Fixed defect

Result

### Sample Result for prediction By clicking Predict Button

Heart Disease Test Form

Age

40

Sex

Male

Chest Pain Type

Atypical Angina

Resting Blood Pressure in mm Hg

120

Serum Cholestoral in mg/dl

200

Fasting Blood Sugar > 120 mg/dl

True

Resting ECG Results

Normal

Maximum Heart Rate

150

Exercise Induced Angina

No

ST Depression Induced

0.3

Slope of the Peak Exercise ST Segment

Flat

Number of Vessels Colored by Flourosopy

1

Thalassemia

Fixed defect

Result

Absence of heart diseases

## Sample Result for Dashboard By click the link click this to visualize Dashboard

