

# Project Development Phase

## Delivery of Sprint -3

Date	12-11-2022
Team ID	IBM-Project-25390-1659961381
Project Name	Visualizing and predicting heart diseases with an interactive Dashboard

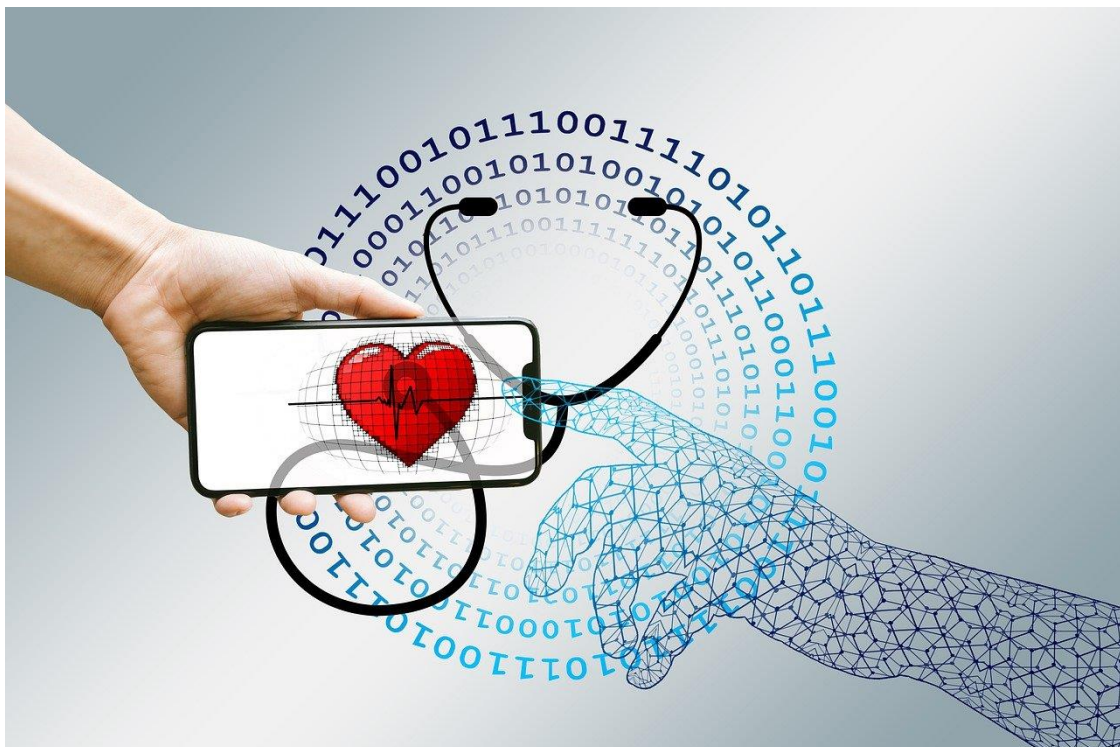
**Category: Data Analytics**

### Project Description:

The leading cause of death in the developed world is heart disease. Therefore, there needs to be work done to help prevent the risks of having a heart attack or stroke.

### Content:

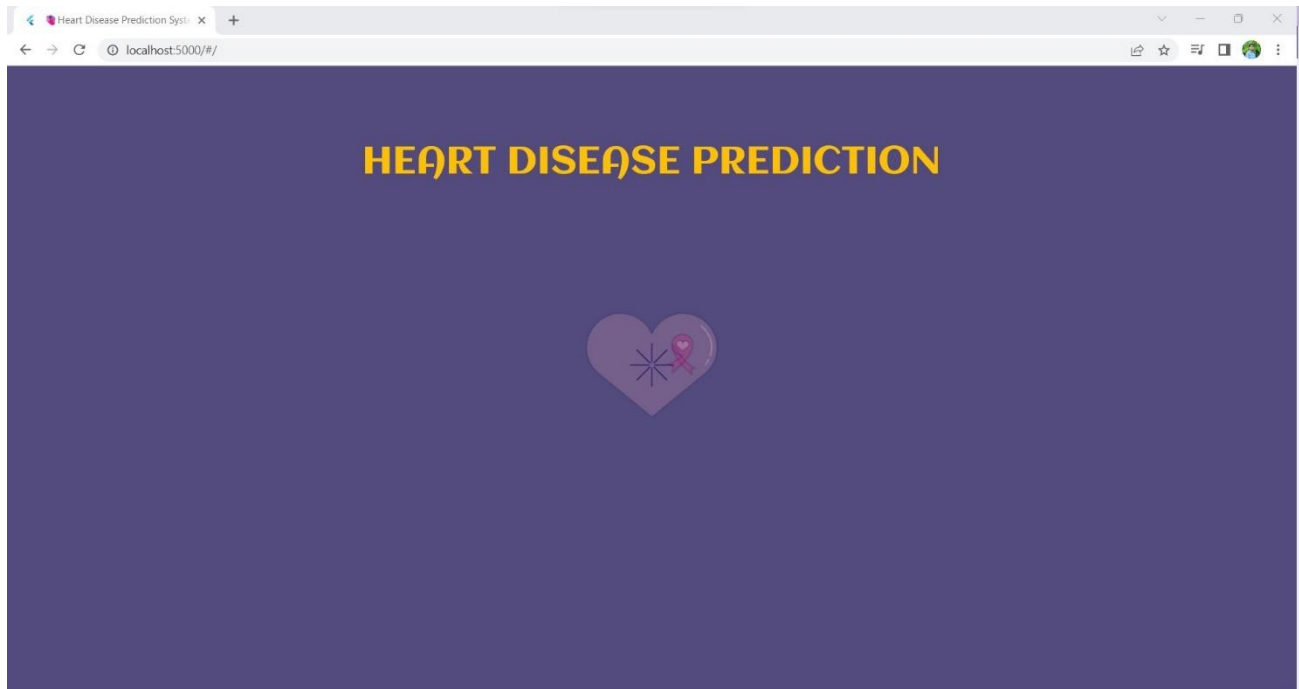
Use this dataset to predict which patients are most likely to suffer from a heart disease in the near future using the features given.



## Sprint -3

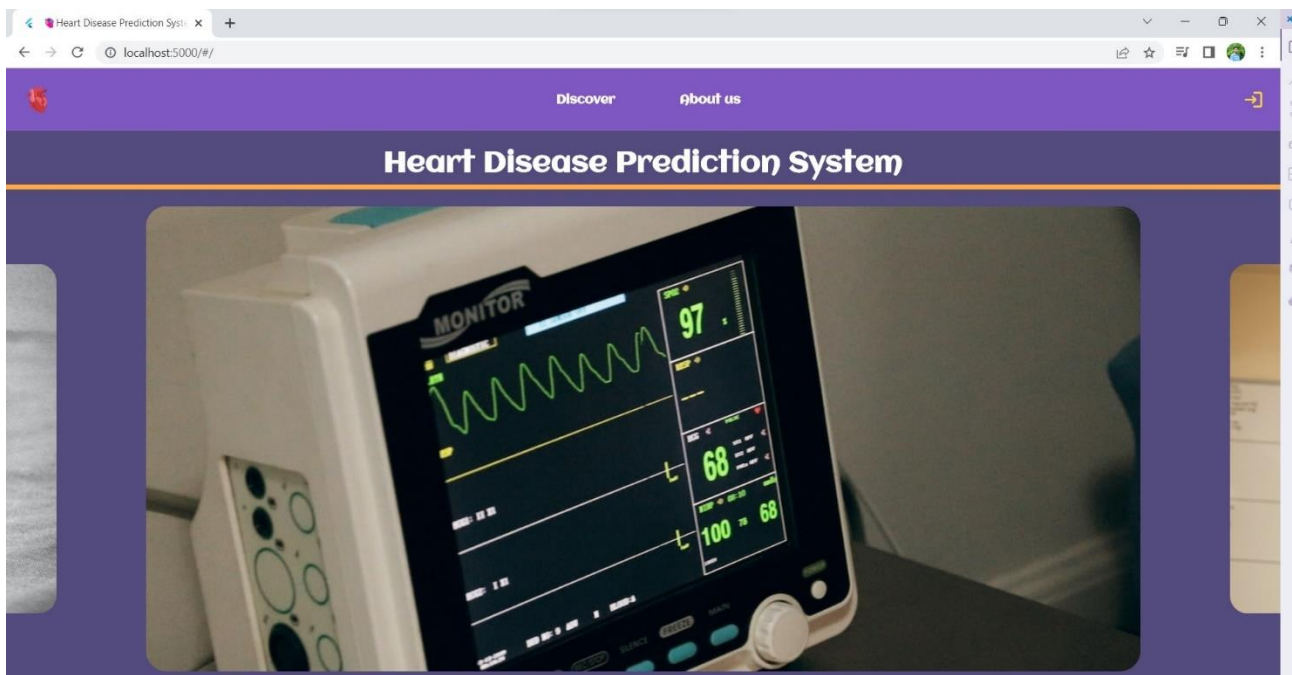
### The Splash Screen:

This part of the system is the splash screen which appears before the authentication.



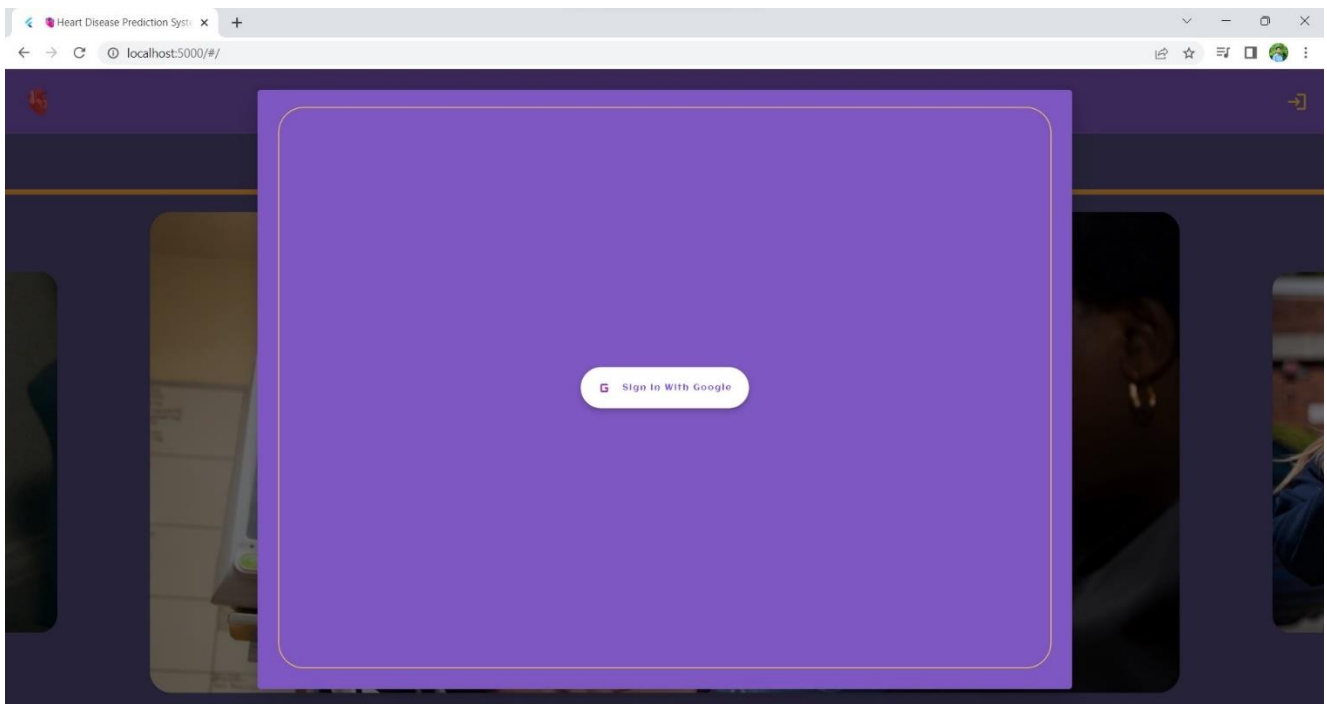
### Interactive Dashboard:

After the splash screen, the screen is loaded with the dashboard for login and signup.



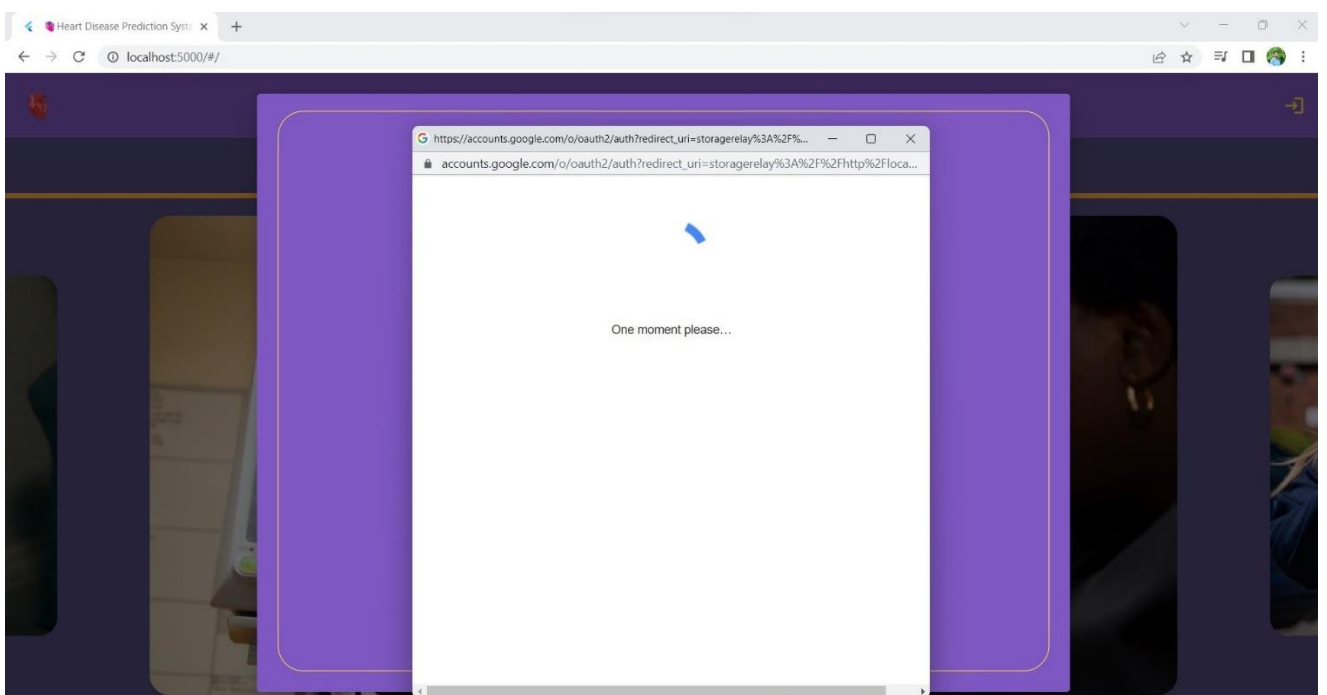
## Login/Signup:

The main dashboard has the login option and the signup option for the respective users.



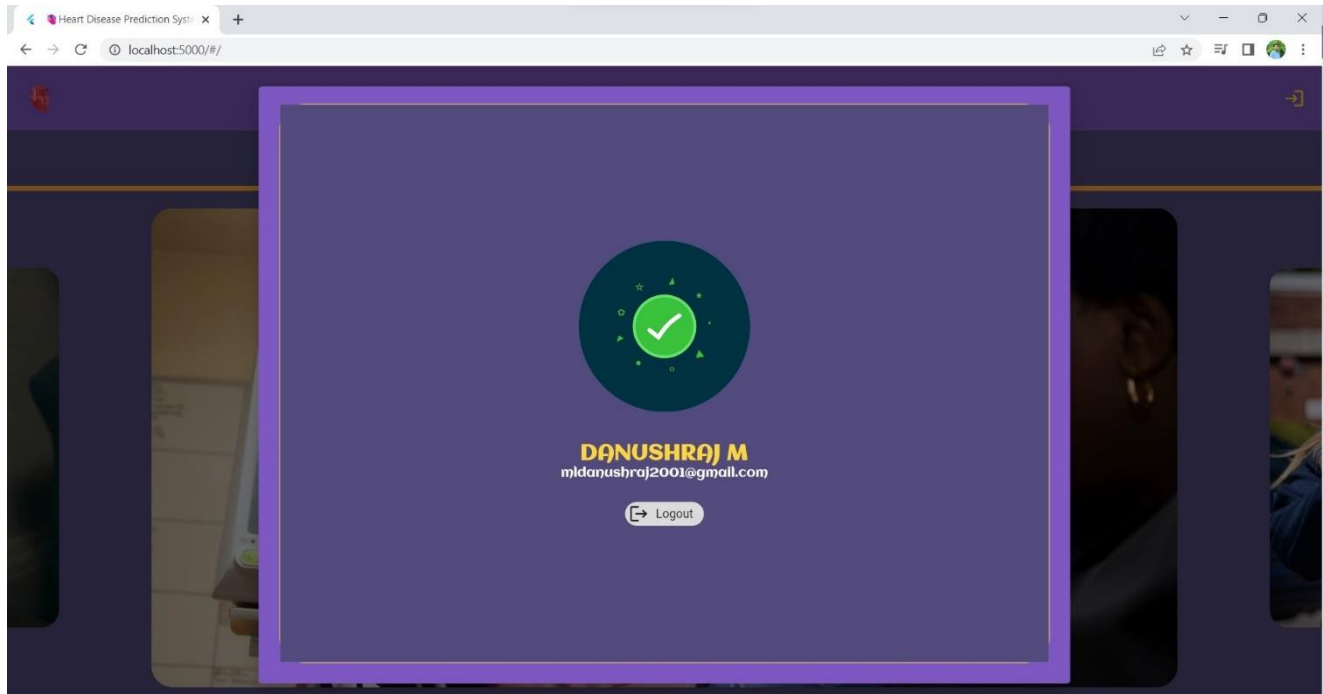
## Authentication:

During the login process the user is authenticated with their usernames and passwords.



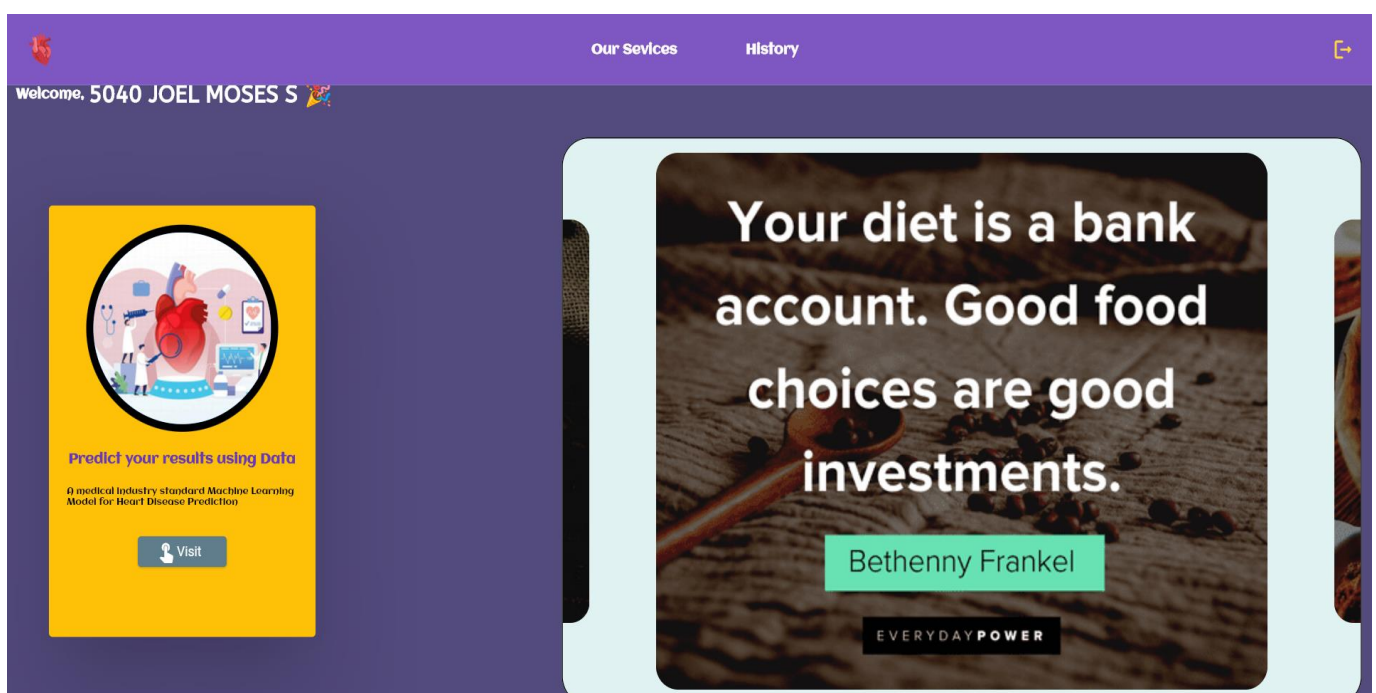
## Successful Login:

The user is successfully logged into the user interface after being authenticated.



## Dashboard:


The user is provided with a dashboard which provides with option to Predict Heart Disease, Medical History of the user and the information related to services the website provides.




## Heart Disease Prediction:

The user is provided with a form to fill to predict heart disease. Form consists of various parameters like Age, Gender, Resting Blood Pressure, etc., to predict the rate of heart disease of user.

### Heart Disease Prediction System !



 **Predict**

**Age**

Enter your age

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**Gender**

0-male & 1-female

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**Constrictive pericarditis**

Enter value 0-3

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**Resting blood pressure**

Enter values (eg:120-190)

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**Cholesterol**

Enter value 125 to 200mg/dL

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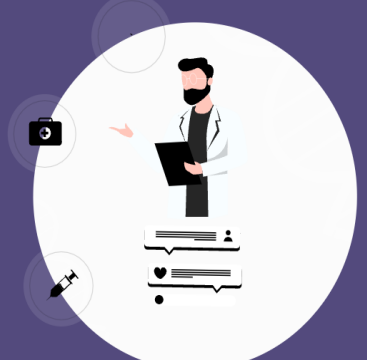
**Fasting Blood Sugar**


Eg:140 mg/dL

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**Resting electrocardiography**

### Heart Disease Prediction System !



 **Predict**

60-100 beats/min

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**Maximum heart rate**

Eg:155 beats/min

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**Exercise induced angina**

(1 = yes; 0 = no)

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**Asymptomatic chest pain**

0-normal,1-fixed defect,2-reversible defect

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**ST/heart rate slope**

Eg:Range (0-2)

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**Coronary calcium**

Eg: 155

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**Thalassemia**

1 or 2 or 3