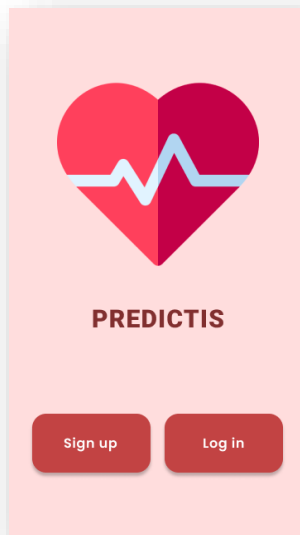


## **Introduction:**

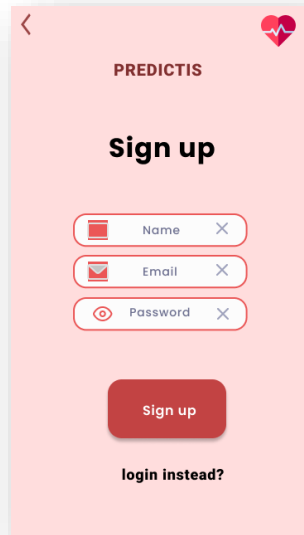
The UI of our system is built on android application-based platform. In this case, we have used XML in front-end, Java in the back-end to connect the app with database. The database is created in cloud storage using FireBase.

## **Current UI:**

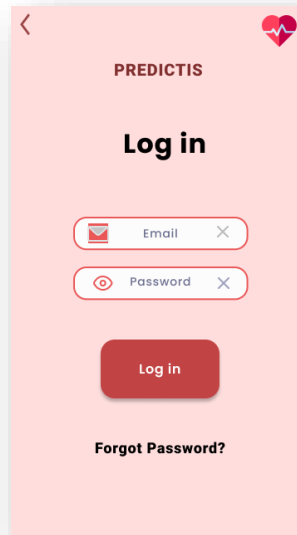
- a. The application starts with a landing page. The user selects an option to either signup or login. This mockup page and original pages are same.



- b. The signup and login pages receive email, password. The username and password is stored in the firebase. User can login anytime in the application using these credentials. This mockup page and original pages are same.

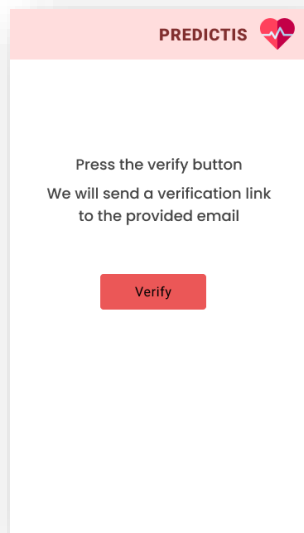


The original sign up page features a pink header with the 'PREDICTIS' logo and a heart icon. The title 'Sign up' is centered. Below it are three input fields: 'Name' with a red square icon, 'Email' with a red envelope icon, and 'Password' with a red eye icon. Each field has a red 'X' icon for clearing the text. A red 'Sign up' button is at the bottom, with a link 'login instead?' below it.

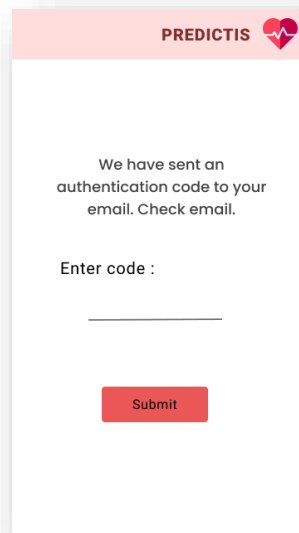


The mockup log in page has a pink header with the 'PREDICTIS' logo and a heart icon. The title 'Log in' is centered. Below it are two input fields: 'Email' with a red envelope icon and 'Password' with a red eye icon. Each field has a red 'X' icon for clearing the text. A red 'Log In' button is at the bottom, with a link 'Forgot Password?' below it.

- c. Authentication is done only once when a user creates a new account.



The original verify page has a pink header with the 'PREDICTIS' logo and a heart icon. The text 'Press the verify button' and 'We will send a verification link to the provided email' is centered. A red 'Verify' button is at the bottom.



The mockup enter code page has a pink header with the 'PREDICTIS' logo and a heart icon. The text 'We have sent an authentication code to your email. Check email.' is centered. Below it is the text 'Enter code :' followed by a red input field. A red 'Submit' button is at the bottom.

Figure: Original

Figure: Mockup

## Deviation:

In the mockup, user had to enter a code from the email. But, actually, we are verifying the account with a link sent to the given email.

## Reason:

The mockup process is not user friendly. That is why we are sending a link to keep it simple.

- d. After signing up, email is verified and user gives the profile data.

The image displays two mobile application mockups for an app named 'PREDICTIS'. The left mockup is titled 'Profile Data' and contains the following fields: 'USERNAME' (text input), 'GENDER' (radio buttons for Male, Female, Other), 'AGE' (text input), 'HEIGHT' (text input), 'WEIGHT' (text input), 'OCCUPATION' (text input), 'LIPID' (text input), and 'BLOOD SUGER LEVEL' (text input). The right mockup continues the form with 'WEIGHT' (text input), 'OCCUPATION' (text input), 'LIPID' (text input), 'BLOOD SUGER LEVEL' (text input), 'SMOKING HABIT' (radio buttons for Yes, No), 'FAMILY HISTORY OF CVD' (radio buttons for Yes, No), and 'EMERGENCY CONTACT' (text input). Below these fields are two prominent red buttons labeled 'SUBMIT' and 'LOGOUT'. Both mockups feature a pink header with the 'PREDICTIS' logo and a standard mobile navigation bar at the bottom.

Figure: Original

The image displays two side-by-side mobile application mockups for a service named 'PREDICTIS'. Both mockups feature a red header bar with the 'PREDICTIS' logo and a heart icon. The left mockup is titled 'Profile Data:' and contains six input fields: Phone, Age, Height, Weight, Date of Birth, and Occupation. The right mockup is also titled 'Profile Data:' and contains six input fields: Lipid Level, Blood Sugar, Blood Pressure, Smoking, Family History, and Emergency contact. Both mockups have a red 'NEXT' button at the bottom.

Figure: Mockup

**Deviation:**

The mockup pages are made in two pages but in the original page it is made in one page using scroll down.

**Reason:**

The original page's layout is better than the mockup version.

e. Application has a menu bar where user can select where he wants to go.

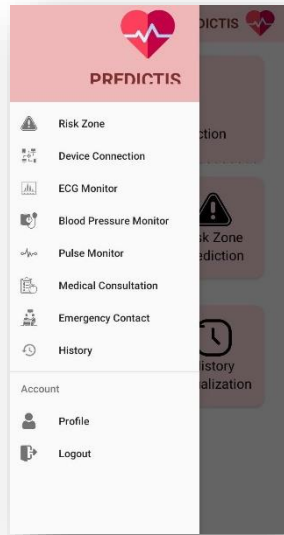


Figure: Original

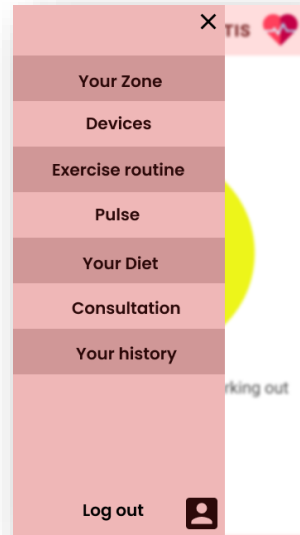


Figure: Mockup

### Deviation:

The mockup menu bar was simple looking, the original one has some new features in it.

### Reason:

Some features were not included in the mockup page which are included in the original page. Also this has icons which makes the app easier to use.

f. When users go to their zone, they can see predicted result.

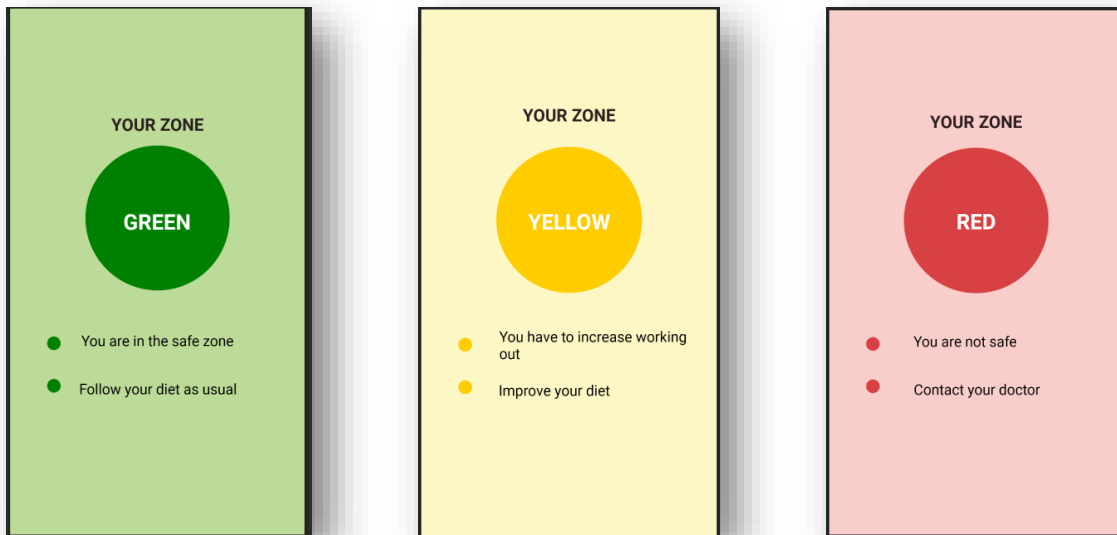


Figure: original

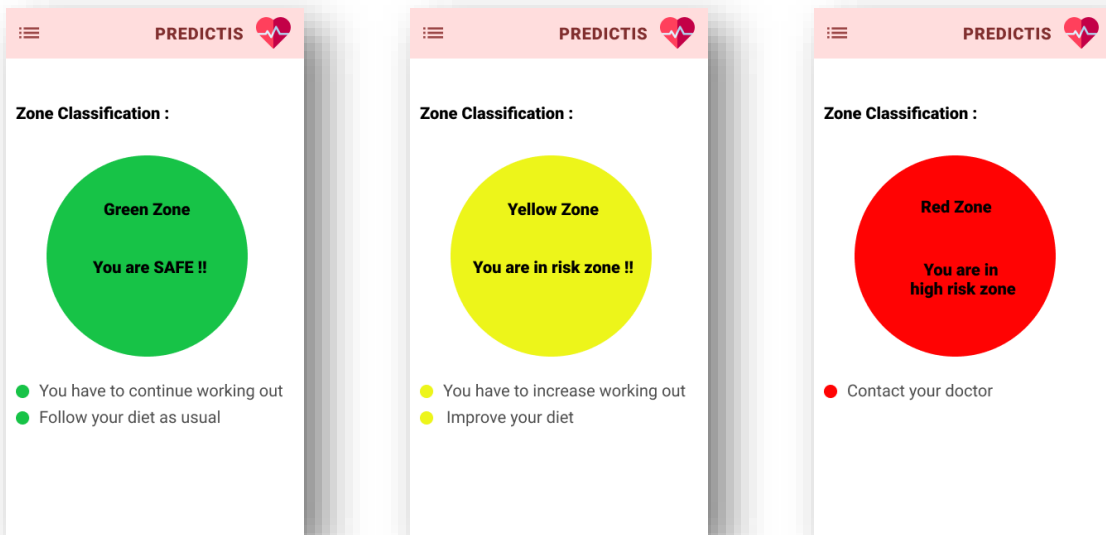


Fig: mockup

### Deviation:

The original pages layout is more aligned.

**Reason:**

It makes the original pages look better.

- g. User can connect their device, watch pulse rate and their health history. The attached pages are mockup pages.

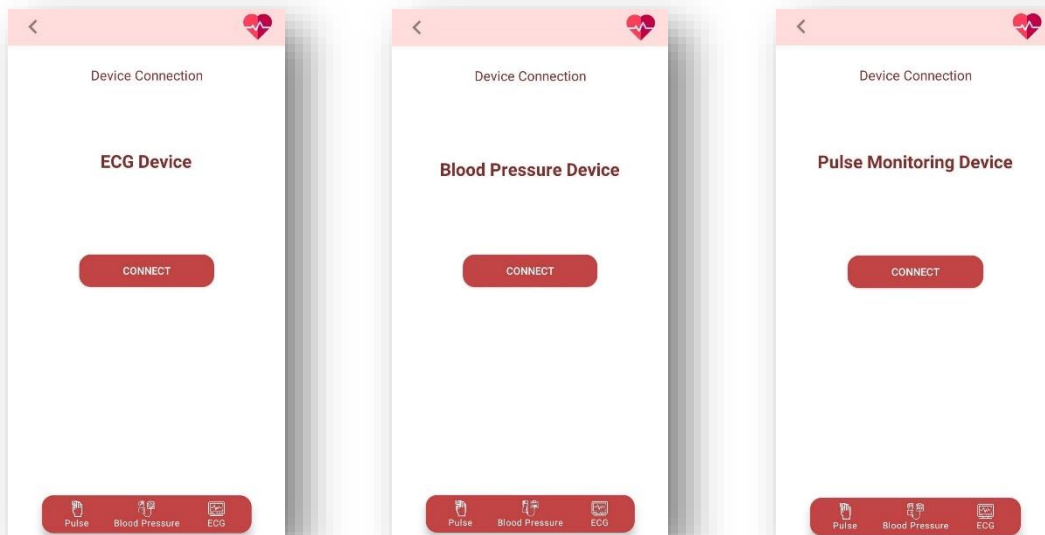


Fig: Original

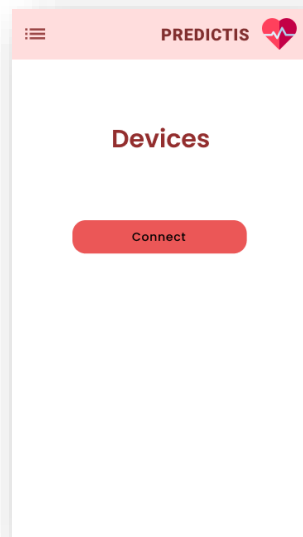


Fig: mockup

**Deviation:**

The original page has connection option for each of three devices (ECG, BP, pulse)

**Reason:**

Initially the total number of devices were not selected, now the final product has three devices.



h. User can check their history in the history page.

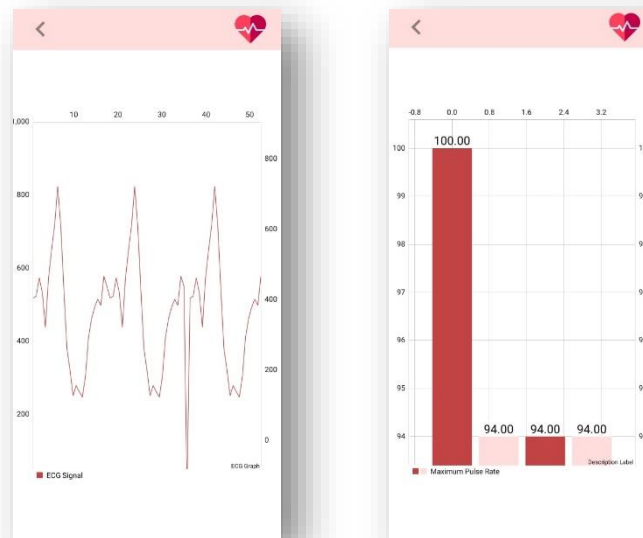


Fig: Original

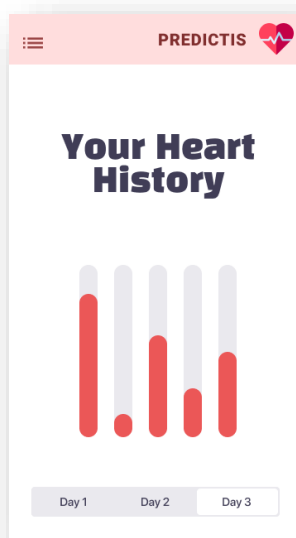


Fig: mockup

### Deviation:

Original has a bar chart for thalach from previous pulse history and Graph chart for ECG.

**Reason:**

History is saved in database and has bigger data than the mockup.

- i. User can watch pulse rate through the app. The original page and mockup pages are similar.

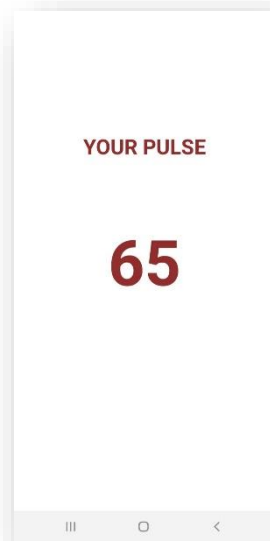


Figure: Original

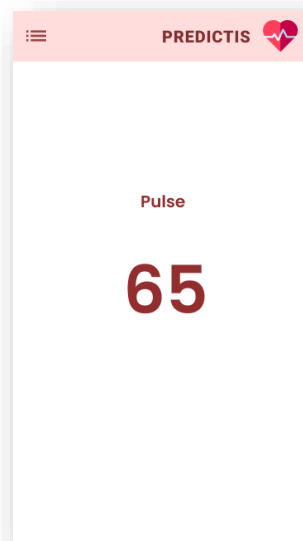
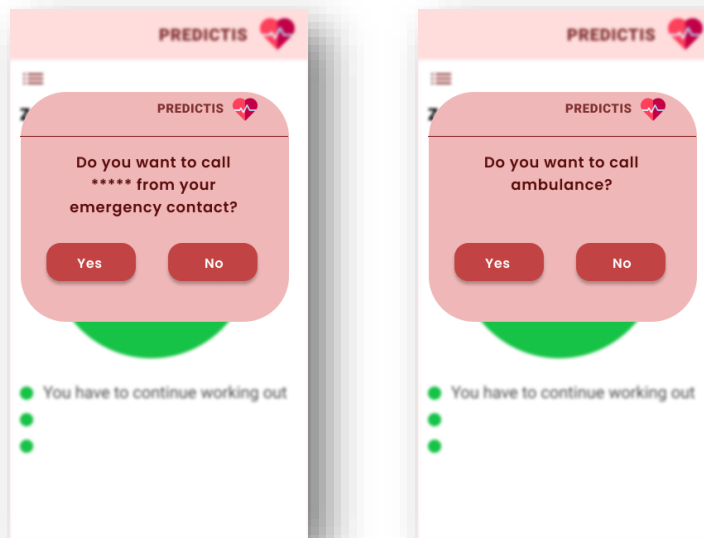


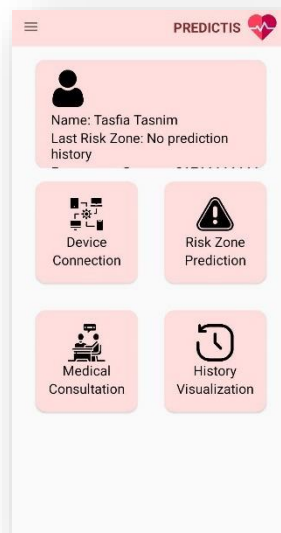
Figure: Mockup

- j. User will see pop up messages when any abnormalities are detected and during emergency. Original pages are same as mockup.

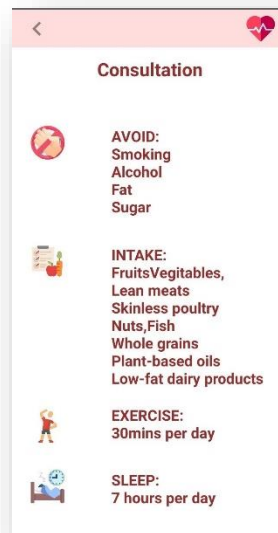


- k. We added some new features given bellow.

- i. Dashboard page comes right after logging in. It contains user's name and previous predicted risk zone.



- ii. Medical consultation page contains suggestions for a healthy heart.



- iii. The blood Pressure Monitor page contains the systolic and diastolic pressure taken from device and it also contains the pulse which updates in real time.

