

# SkillAssure Discoveri

Angular CR Hands-on Nugget

**SkillAssure**



**Change Request**

A large orange decorative shape is located in the top left corner of the page, consisting of a right-angled triangle with a smaller right-angled triangle cut out of its hypotenuse.

## Goal:

To understand how to implement Change Requests for HeartiHealth Application

**03**

Activities

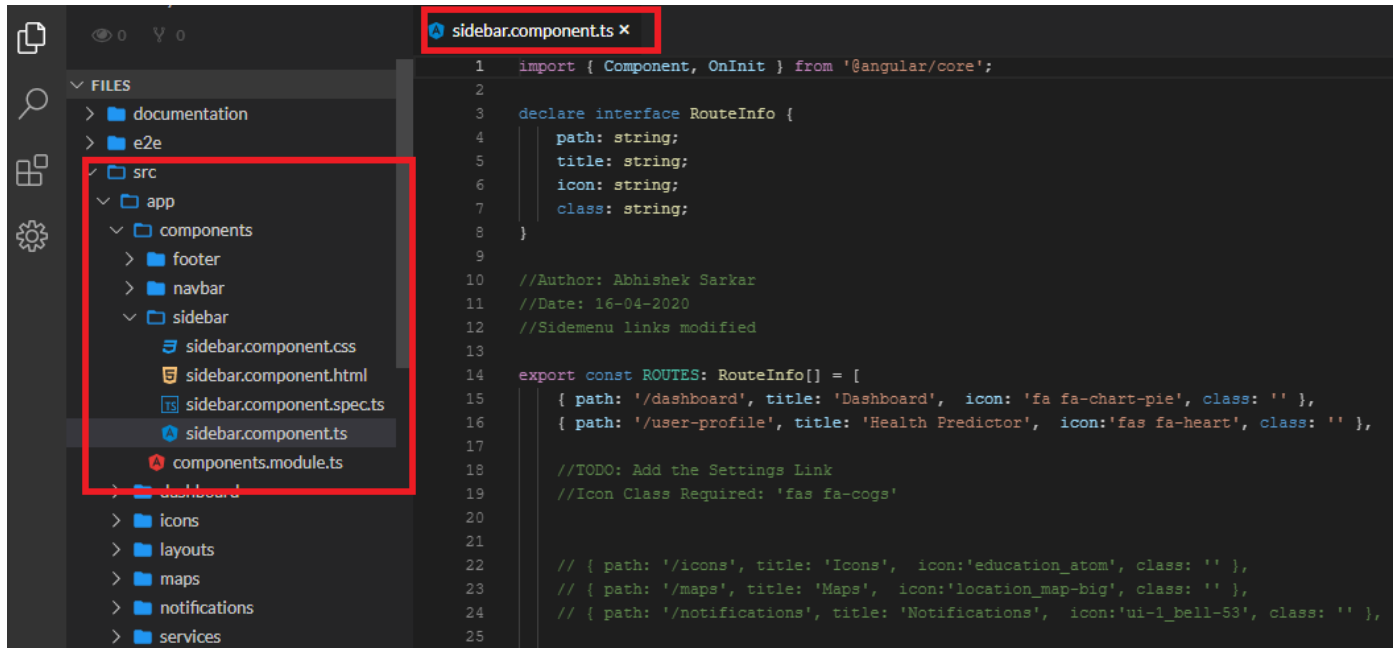
**14**

Steps

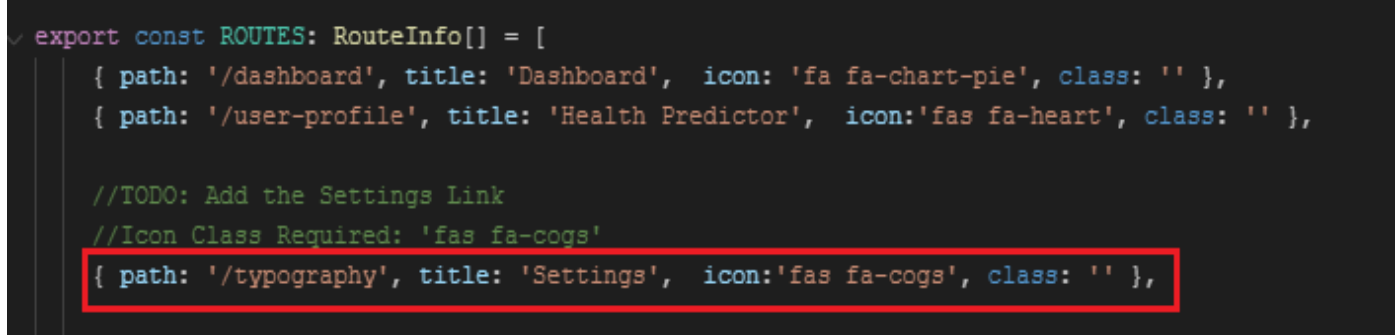
## Activity-A: Introduce a Settings link in the side menubar

**Step-A.1:** Navigate to “**sidebar.component.ts**” which is present in the following location:

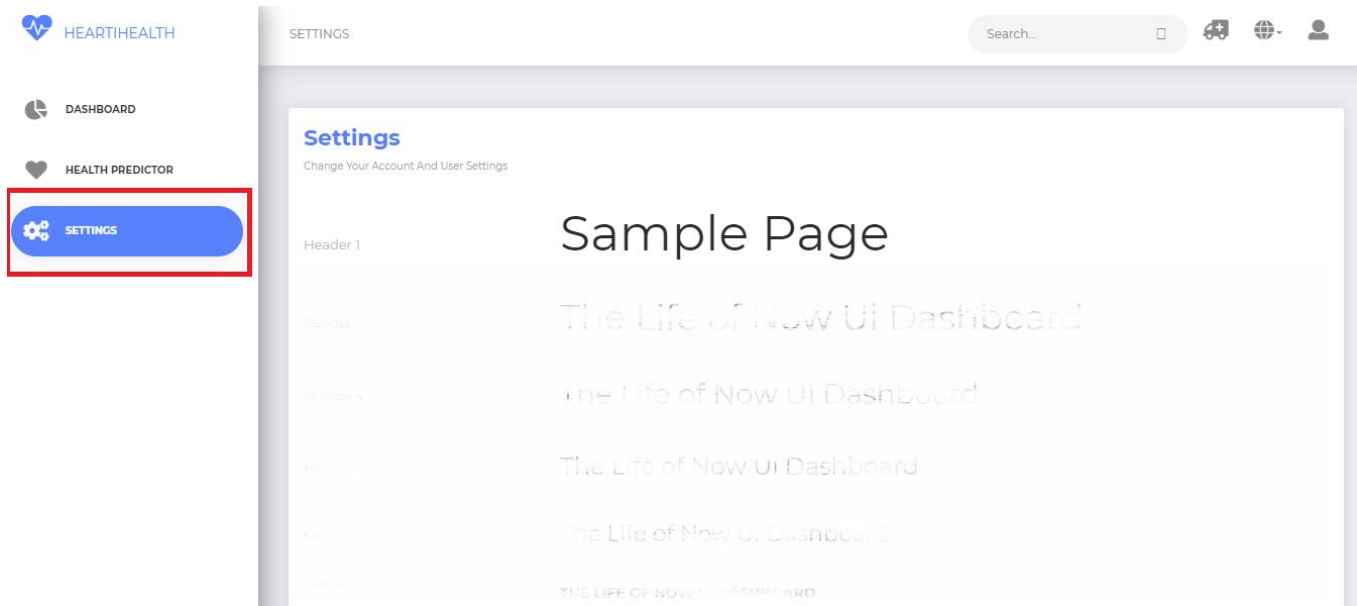
src > app > sidebar > sidebar.component.ts



**Step-A.2:** In the **sidebar.component.ts** file, add the following code(object) after the block for Health-Predictor as shown below:

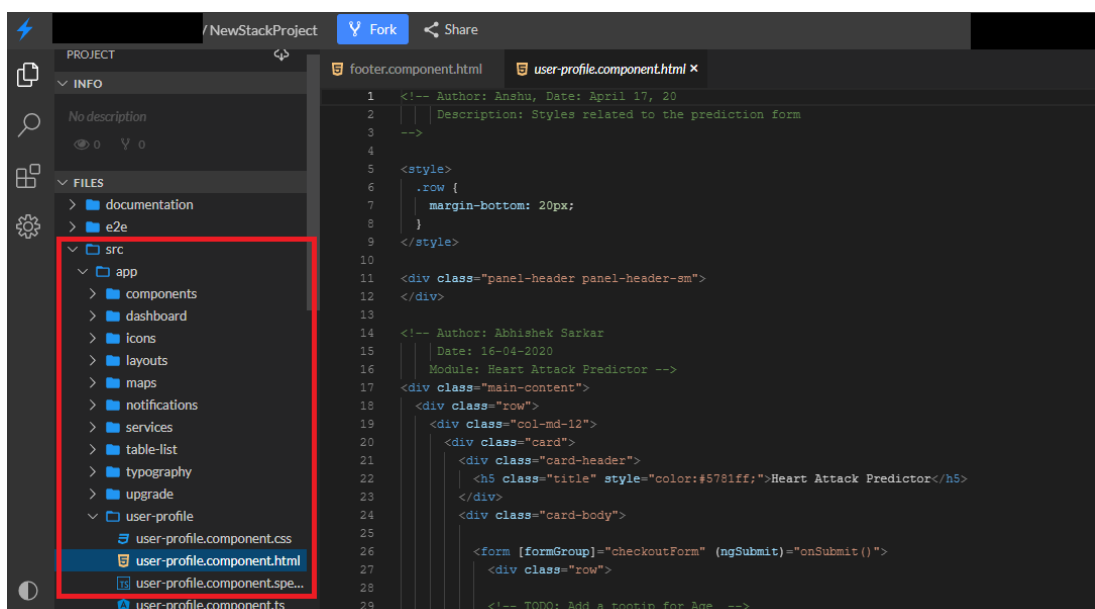


**Step-A.3:** Save the file by pressing **Ctrl+S**, and open the output window in the browser and observe the new **Settings** link in the Side Menubar



**Activity-B:** In the Heart Attack Predictor screen, the Age must be validated with only numbers. Also, tool tip is missing for Age which needs to be implemented.

**Step-B.1:** Navigate to “user-profile.component.html” which is present in the following location: src > app > user-profile > user-profile.component.html



**Step-B.2:** Scroll the page and find the following comment at Line-29

```
28
29      <!-- TODO: Add a tooltip for Age -->
30      <!-- TODO: Change the input type of age to a number field -->
31      <div class="col-md-3 pr-4">
32          <div class="form-group">
33              <label>What's your age?</label>
34              <input type="text" name="age" class="form-control" placeholder="32">
35          </div>
36      </div>
37
```

**Step-B.3:** Inside the **input tag** for age, change the **type** to “number” from “text” as shown below.

```
<!-- TODO: Add a tooltip for Age -->
<!-- TODO: Change the input type of age to a number field -->
<div class="col-md-3 pr-4">
    <div class="form-group">
        <label>What's your age?</label>
        <input type="number" name="age" class="form-control" placeholder="32">
    </div>
</div>
```

**Step-B.4:** Add the following code inside the **<label>** tag for Age to implement the tooltip for the Age.

```
28
29      <!-- TODO: Add a tooltip for Age -->
30      <!-- TODO: Change the input type of age to a number field -->
31      <div class="col-md-3 pr-4">
32          <div class="form-group">
33              <label>What's your age?
34                  <span class="badge badge-pill badge-secondary" ngbTooltip="Enter your age in numbers" >i</span>
35              </label>
36              <input type="number" name="age" class="form-control" placeholder="32">
37          </div>
38      </div>
39
```

**Step-B.5:** Save the file by pressing **Ctrl+S**, and open the browser and observe the **Tooltip** for the Age and also **validate the Age Field** such that it accepts only numbers and does not accept characters as shown below.

The screenshot shows a web application titled "HEARTIHEALTH" with a sidebar containing "DASHBOARD", "HEALTH PREDICTOR" (selected), and "SETTINGS". The main content area is titled "HEALTH PREDICTOR" and "Heart Attack Predictor". The form includes the following fields:

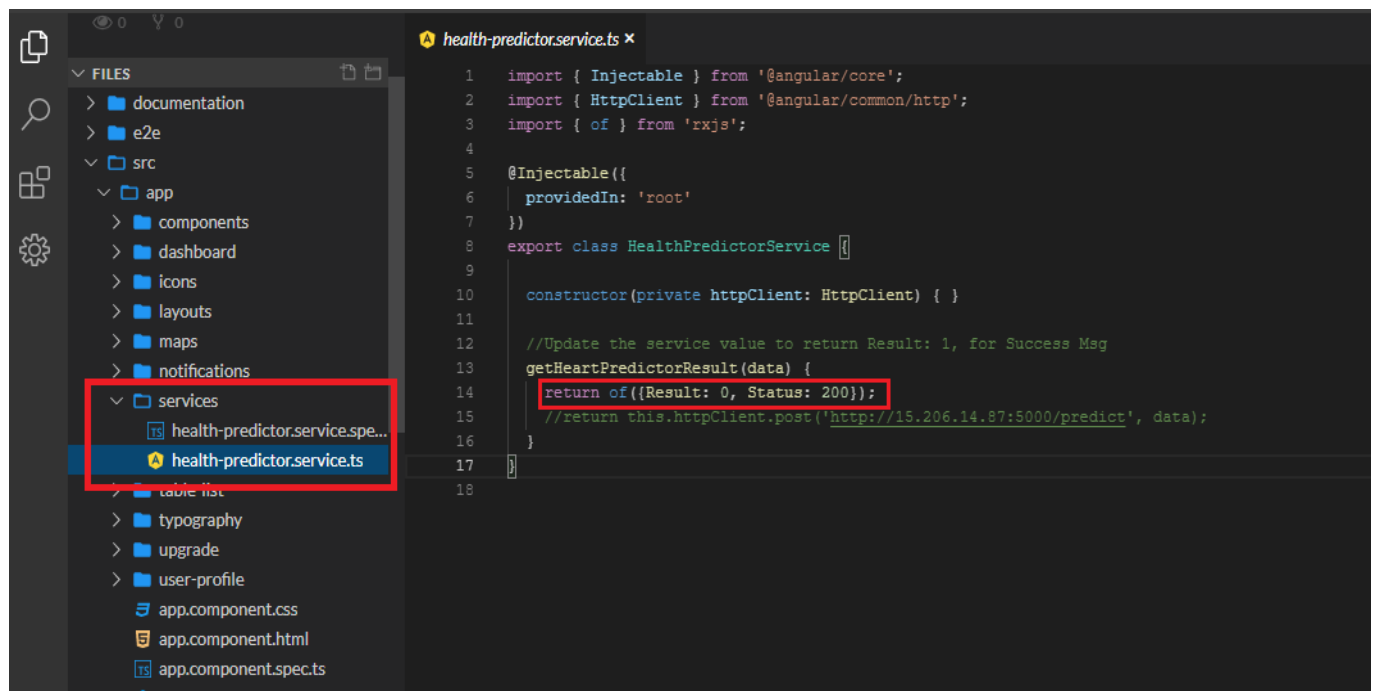
- What's your age?** (Input field with value 26, highlighted with a red box and a tooltip "Enter your age in numbers")
- Gender** (Radio buttons: Male (selected), Female)
- Do you experience chest pain?** (Radio buttons: Yes (selected), No)
- Blood Pressure level** (Input field with value 110)
- Cholesterol level** (Input field with value 140)
- Fasting blood sugar level** (Input field with value 140)
- Resting electrocardiograph?** (Radio buttons: Yes, No (selected))
- Maximum heart rate achieved** (Input field with value 85)
- Exercise include angina** (Radio buttons: Yes, No (selected))
- Depression induced by exercise** (Input field with value 0-10)
- Slope of the peak exercise** (Input field with value 0-10)
- Vessels coloured by flourosopy** (Input field with value 0-3)
- Thalassemia level** (Input field with value 1-3)

A "Calculate Now" button is located at the bottom right of the form.

**Activity-C: Introduce a Book an Appointment button and upon clicking user should be navigated to Practo Website where they can book an appointment with a Doctor.**

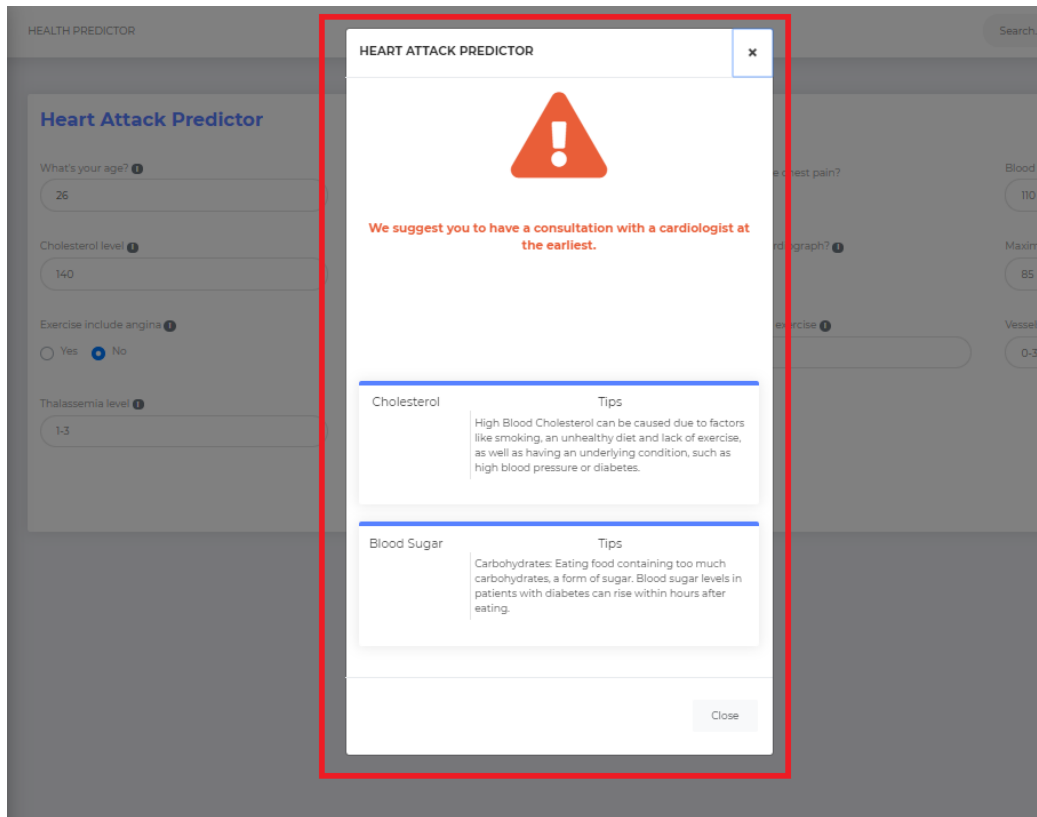
**Step-C.1:** Open the file “health-predictor.service.ts” which is present in the following location:  
src > app > services > health-predictor.service.ts

Inside the getGeartPredictorResult() method, change the value of the **Result** back to “0” as shown below:

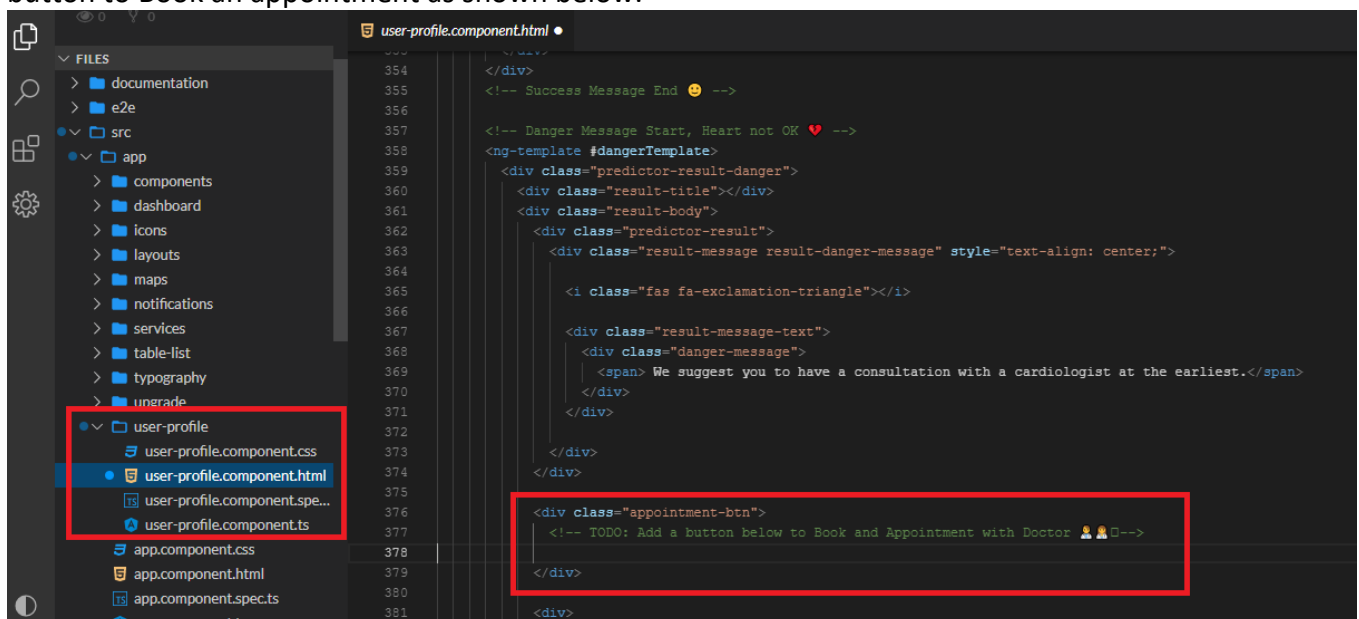


```
1  import { Injectable } from '@angular/core';
2  import { HttpClient } from '@angular/common/http';
3  import { of } from 'rxjs';
4
5  @Injectable({
6    providedIn: 'root'
7  })
8  export class HealthPredictorService {
9
10     constructor(private httpClient: HttpClient) { }
11
12     //Update the service value to return Result: 1, for Success Msg
13     getHeartPredictorResult(data) {
14       return of({Result: 0, Status: 200});
15     }
16     //return this.httpClient.post('http://15.206.14.87:5000/predict', data);
17   }
18 }
```

**Step-C.2:** Save the file and verify in the application that you are able to see the Danger template once you click on the Calculate Button in Heart Attack Predictor Screen.



**Step-C.3:** Go back to the file “user-profile.component.html” and find the comment to Add a button to Book an appointment as shown below.

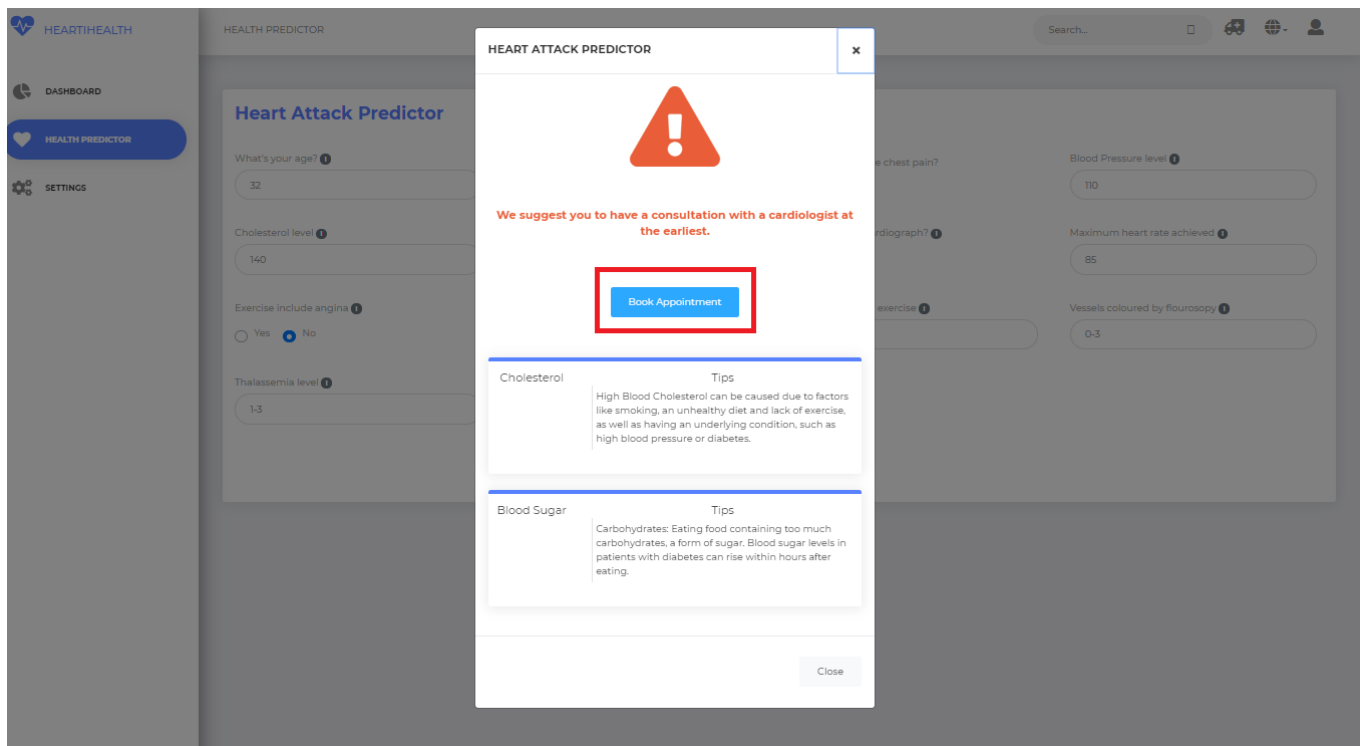




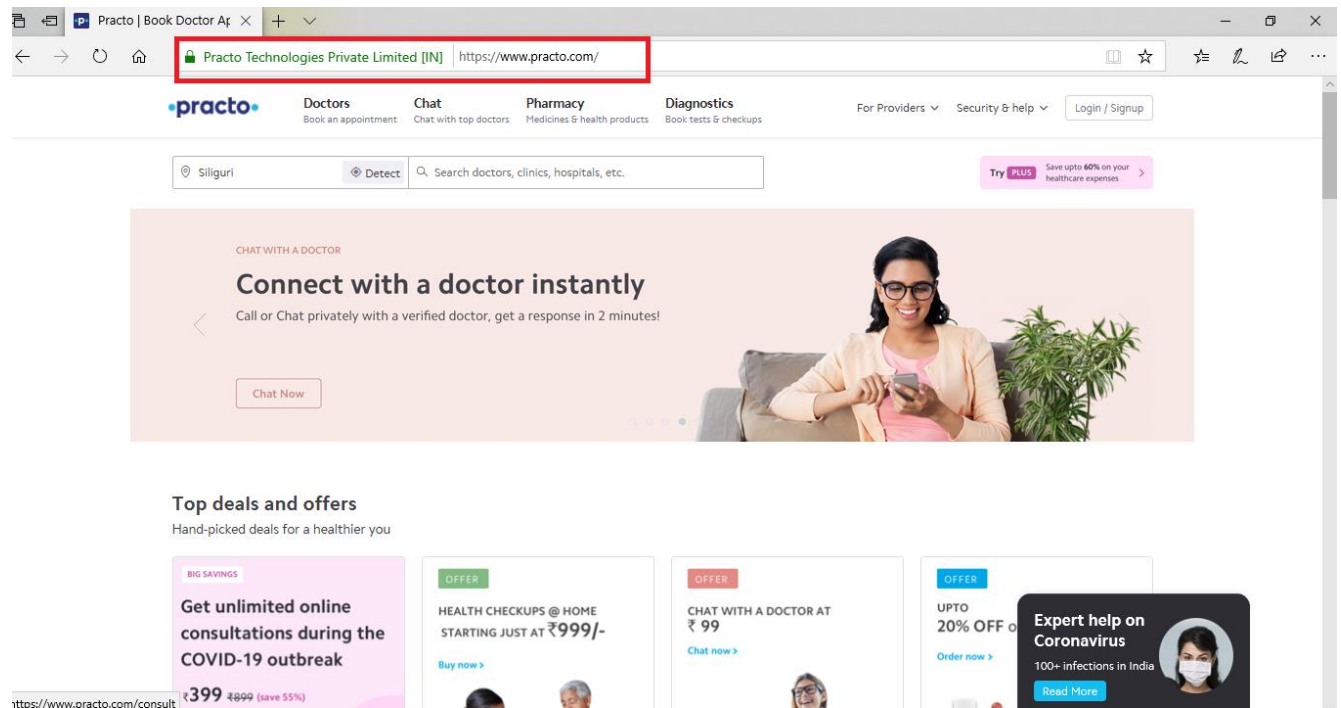
**Step-C.4:** Inside the <div> block for Appointment button, add the following code below the comment to add the button for booking an appointment with Practo Healthcare.

```
<div class="appointment-btn">  
  <!-- TODO: Add a button below to Book and Appointment with Doctor 👨👩👧👦 -->  
  <a href="https://www.practo.com" class="btn btn-info" target="_blank">  
    Book Appointment  
  </a>  
</div>
```

**Step-C.5:** Save the file by pressing **Ctrl+S**, and open the application in the browser. Click on Calculate Button in the Heart Attack Predictor Screen, you should be able to see the “**Book Appointment**” button in the danger template.



**Step-C.6:** Click on the “**Book Appointment**” button and verify that it should navigate to the Practo Website as shown below:



**Congratulations!! You have successfully completed all the Change Requests for HeartiHealth Application.**