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Registration number – 201800512

Section – A

Question:

5. Create an online *daily calorie burner* web application having following modules -

- a) *Add a routine exercise(s)*– each exercise will have date, description, duration, repetitions, category (free hand or equipment)
- b) *Exercise manager* – user should be able to add a new exercise in the category (e.g. Pull ups, lunges, sprints, ankle weights, hand weights, stationary bicycle etc.) and set the threshold duration for each category.
- c) *Listing exercise details* – List all the exercises stored in the database

*Note:*

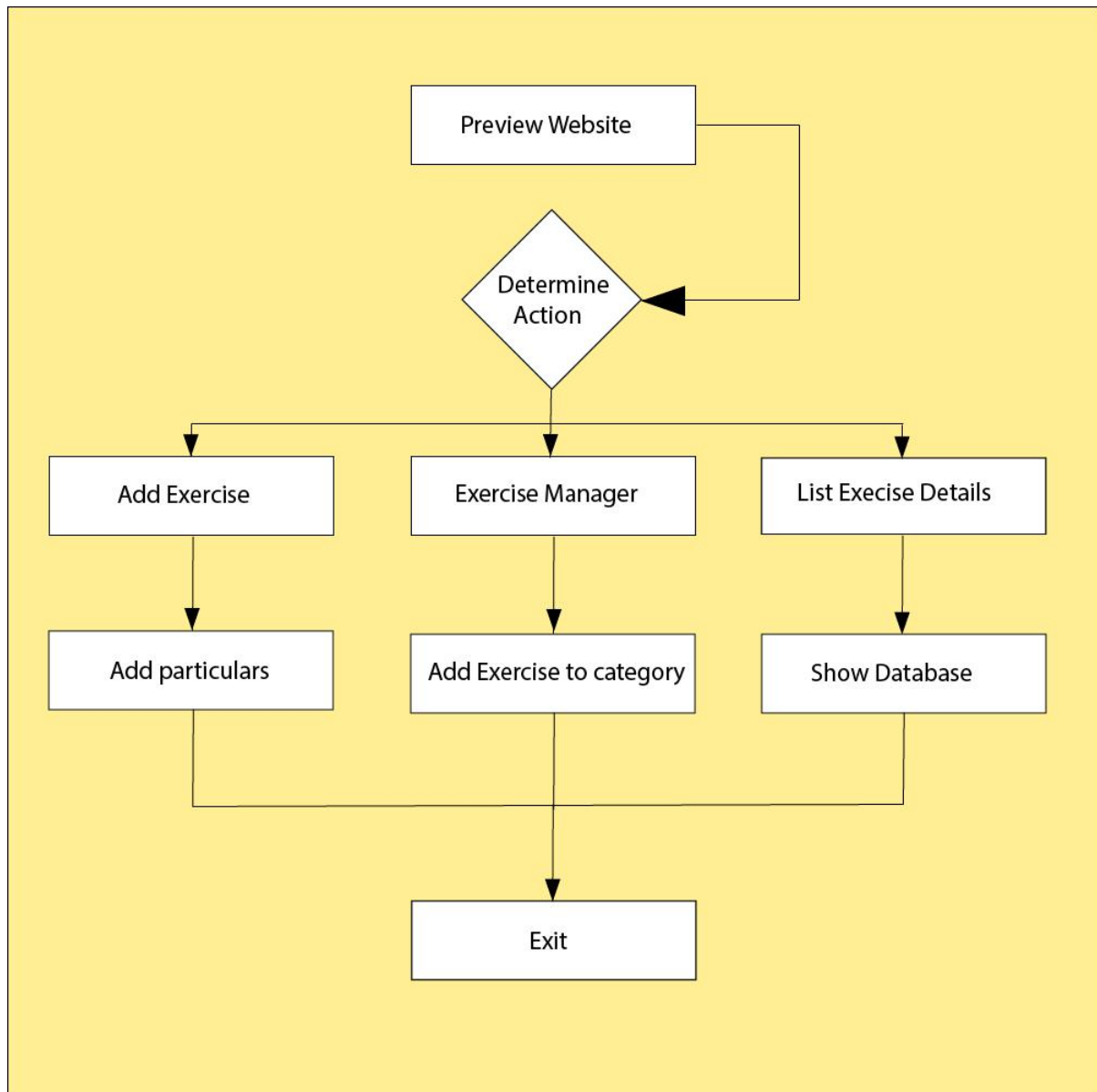
- Design your front-end using Angular and back-end (Listing exercises) using Node/Express
- Make sure you use Services in the front-end for data sharing, the component structure is given below
- Weightage shall be given to good UI design.

*app*

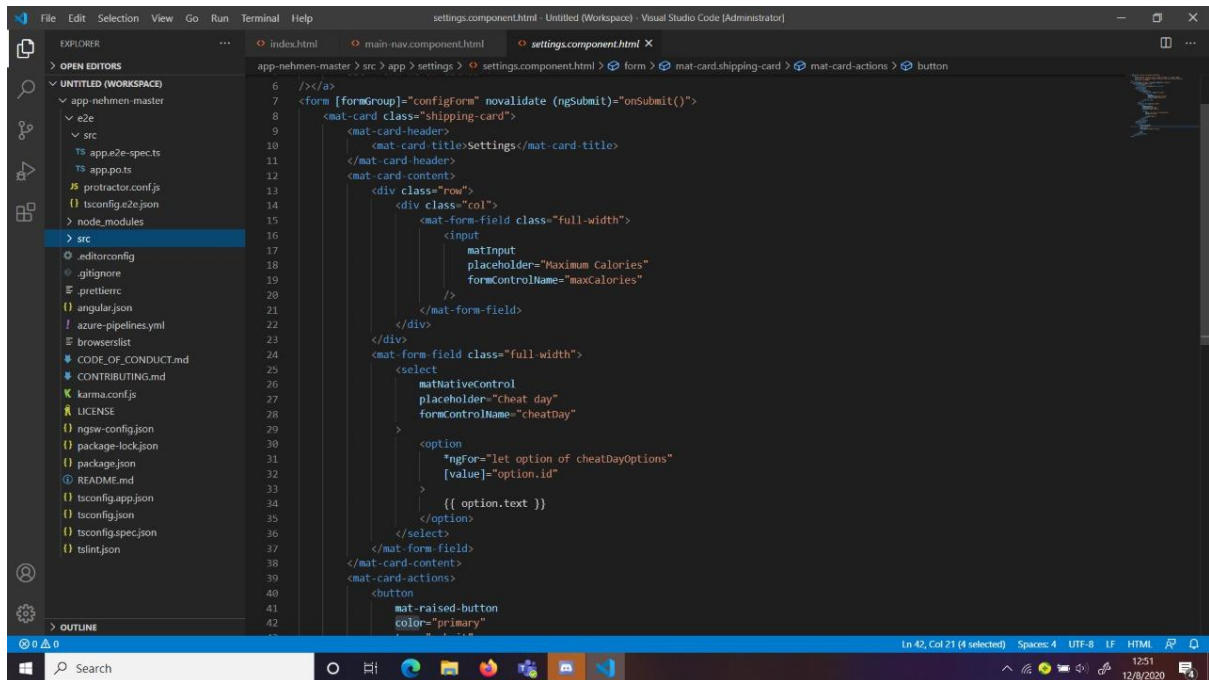
<i>header</i>	
<i>exercise-manager</i>	<i>category-wise list</i>
<i>day-wise exercise duration</i>	
<i>footer</i>	

GitHub Link – <https://github.com/rhysrahman/labexam1>

## Design Diagram:

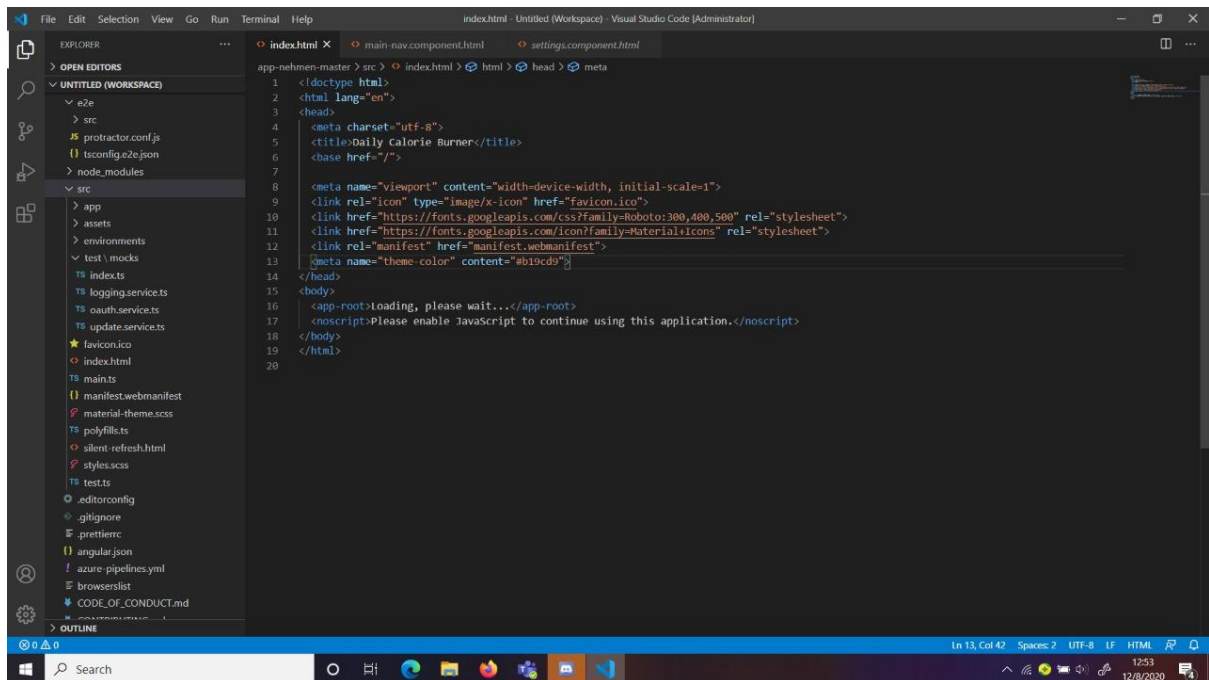


# Code:



This screenshot shows the Visual Studio Code editor with the file `settings.component.html` open. The Explorer sidebar on the left shows the project structure, including the `src` directory. The main editor area displays the following HTML code:

```
6 /></a>
7 <form [formGroup]="configForm" novalidate (ngSubmit)="onSubmit()">
8   <mat-card class="shipping-card">
9     <mat-card-header>
10      <mat-card-title>Settings</mat-card-title>
11    </mat-card-header>
12    <mat-card-content>
13      <div class="row">
14        <mat-form-field class="full-width">
15          <input
16            matInput
17            placeholder="Maximum Calories"
18            formControlName="maxCalories"
19          />
20        </mat-form-field>
21      </div>
22      <mat-form-field class="full-width">
23        <select
24          matNativeControl
25          placeholder="Cheat day"
26          formControlName="cheatDay"
27        >
28          <option
29            *ngFor="let option of cheatDayOptions"
30            [value]="option.id"
31          >
32            {{ option.text }}
33          </option>
34        </select>
35      </mat-form-field>
36    </mat-card-content>
37    <mat-card-actions>
38      <button
39        mat-raised-button
40        color="primary"
41      >
```



This screenshot shows the Visual Studio Code editor with the file `index.html` open. The Explorer sidebar on the left shows the project structure, including the `src` directory. The main editor area displays the following HTML code:

```
1 <!doctype html>
2 <html lang="en">
3 <head>
4   <meta charset="utf-8">
5   <title>Daily Calorie Burner</title>
6   <base href="/">
7
8   <meta name="viewport" content="width=device-width, initial-scale=1">
9   <link rel="icon" type="image/x-icon" href="favicon.ico">
10  <link href="https://fonts.googleapis.com/css?family=Roboto:300,400,500" rel="stylesheet">
11  <link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet">
12  <link rel="manifest" href="manifest.webmanifest">
13  <meta name="theme-color" content="#b19cd9">
14 </head>
15 <body>
16   <app-root><loading, please wait...</app-root>
17   <noscript>Please enable Javascript to continue using this application.</noscript>
18 </body>
19 </html>
20
```

## Application Execution:

### Add Exercise

Description

Duration

Repetition

CONFIRM

RESET

- Category -

- Category -

Pull up

Lunges

Sprints

Ankle Weights

Hand Weights

Bicycle

### Add Exercise

Description

Repetitions

CONFIRM

RESET

- Category -

- Category -

Free Hand

Equipment

## EXERCISE MANAGER

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### Add Exercise

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#### Sunny day

WALKING  
DATE - 01/11/2020

Walked by the beach for 2 hours and lost lots of calories

SUBMITTED BY RHYS RAHMAN

#### Sunny day

WALKING  
DATE - 01/11/2020

Walked by the beach for 2 hours and lost lots of calories

SUBMITTED BY RHYS RAHMAN

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#### Morning walk

WALKING  
DATE - 02/11/2020

Woke up at 6am and went to walk and enjoyed nature

SUBMITTED BY RHYS RAHMAN