**Exp 9**

**Create an app to store student information using firebase as a database**

**Following files needed to be uploaded for the submission of practical:  
1) Document file consisting of the following:  
           a) HTML file and other file if used**

**//tab1.page.html**

<ion-header [translucent]="true">

  <ion-toolbar>

    <ion-title>

      Information

    </ion-title>

  </ion-toolbar>

</ion-header>

<ion-content [fullscreen]="true">

  <ion-header collapse="condense">

    <ion-toolbar>

      <ion-title size="large">Info</ion-title>

    </ion-toolbar>

  </ion-header>

<p>{{user}}</p>

<ion-button type="submit" (click)="authService.SignOut()" expand="block">Logout</ion-button>

 <ion-list lines="full">

    <form [formGroup]="studentForm" (ngSubmit)="formSubmit()">

      <ion-item>

        <ion-label position="floating">Name</ion-label>

        <ion-input formControlName="name" type="text" required></ion-input>

      </ion-item>

      <ion-item>

        <ion-label position="floating">Email</ion-label>

        <ion-input formControlName="email" type="text" required>

        </ion-input>

      </ion-item>

      <ion-item>

        <ion-label position="floating">Mobile</ion-label>

        <ion-input formControlName="mobile" type="text" required>

        </ion-input>

      </ion-item>

       <ion-item>

        <ion-label position="floating">Class</ion-label>

        <ion-input formControlName="class" type="text" required>

        </ion-input>

      </ion-item>

       <ion-item>

        <ion-label position="floating">UID</ion-label>

        <ion-input formControlName="uid" type="text" required>

        </ion-input>

      </ion-item>

       <ion-item>

        <ion-label position="floating">course</ion-label>

        <ion-input formControlName="course" type="text" required>

        </ion-input>

      </ion-item>

      <ion-row>

        <ion-col>

          <ion-button type="submit" color="primary" shape="full" expand="block">Submit</ion-button>

        </ion-col>

      </ion-row>

    </form>

  </ion-list>

</ion-content>

**//tab2.page.html**

<ion-header>

  <ion-toolbar>

    <ion-title>

      Data

    </ion-title>

  </ion-toolbar>

</ion-header>

<ion-content>

  <ion-list class="ios list-ios hydrated">

    <ion-list-header class="ios hydrated">

      Students

    </ion-list-header>

    <ion-item \*ngFor="let student of Studentss"   class="user-list">

      <ion-label>

        <h5>

          <ion-icon name="person"></ion-icon> {{student.name}}

        </h5>

        <p>

          <ion-icon name="call"></ion-icon> {{student.mobile}}

        </p>

      </ion-label>

      <div class="item-note" item-end>

        <button ion-button clear [routerLink]="['/view-student/', student.$key]">

          <ion-icon name="eye" style="zoom:2.0"></ion-icon>

        </button>

        <button ion-button clear [routerLink]="['/edit-student/', student.$key]">

          <ion-icon name="create" style="zoom:2.0"></ion-icon>

        </button>

        <button ion-button clear (click)="deleteStudent(student.$key)">

          <ion-icon name="trash" style="zoom:2.0"></ion-icon>

        </button>

      </div>

    </ion-item>

  </ion-list>

**//tab3.page.html**

<ion-header>

  <ion-toolbar>

    <ion-title>Feedback</ion-title>

  </ion-toolbar>

</ion-header>

<ion-content>

  <form [formGroup]="feedbackForm" (ngSubmit)="formSubmit()">

  <ion-item>

    <ion-label>Enter your Name :</ion-label>

    <ion-input formControlName="name" placeholder="Name"></ion-input>

  </ion-item>

  <ion-item>

    <ion-label>Date of Birth</ion-label>

    <ion-datetime displayFormat="DD MM YY" formControlName="dob" placeholder="Select Date"></ion-datetime>

  </ion-item>

  <ion-list>

    <ion-radio-group formControlName="gender">

      <ion-list-header>

        <ion-label>Gender</ion-label>

      </ion-list-header>

      <ion-item>

        <ion-label>Female</ion-label>

        <ion-radio slot="start" value="female"></ion-radio>

      </ion-item>

      <ion-item>

        <ion-label>Male</ion-label>

        <ion-radio slot="start" value="male"></ion-radio>

      </ion-item>

      <ion-item>

        <ion-label>Others</ion-label>

        <ion-radio slot="start" value="others"></ion-radio>

      </ion-item>

    </ion-radio-group>

  </ion-list>

  <ion-item >

    <ion-label>Rating</ion-label>

    <ion-range formControlName="rate" min="0" max="5" step="1" snaps="true" ticks="true" pin="true" color="secondary"></ion-range>

  </ion-item>

  <ion-item>

    <ion-label position="floating">Suggestions</ion-label>

    <ion-textarea formControlName="suggestion"></ion-textarea>

  </ion-item>

  <ion-button type="submit" expand="full" fill="outline">Submit</ion-button>

  </form>

</ion-content>

**//tabs.page.html**

<ion-tabs>

  <ion-tab-bar slot="bottom">

    <ion-tab-button tab="tab1">

      <ion-icon name="id-card-outline"></ion-icon>

      <ion-label>Info</ion-label>

    </ion-tab-button>

    <ion-tab-button tab="tab2">

      <ion-icon name="clipboard-outline"></ion-icon>

      <ion-label>Data</ion-label>

    </ion-tab-button>

    <ion-tab-button tab="tab3">

      <ion-icon name="pencil-outline"></ion-icon>

      <ion-label>Feedback</ion-label>

    </ion-tab-button>

  </ion-tab-bar>

</ion-tabs>

**//edit-student.page.html**

<ion-header>

  <ion-toolbar>

    <ion-buttons slot="start">

      <ion-back-button></ion-back-button>

    </ion-buttons>

    <ion-title>

      Edit Student

    </ion-title>

  </ion-toolbar>

</ion-header>

<ion-content>

  <ion-list lines="full">

    <form [formGroup]="updateStudentForm" (ngSubmit)="updateForm()">

      <ion-item>

        <ion-label position="floating">Name</ion-label>

        <ion-input formControlName="name" type="text" required></ion-input>

      </ion-item>

      <ion-item>

        <ion-label position="floating">Email</ion-label>

        <ion-input formControlName="email" type="text" required>

        </ion-input>

      </ion-item>

      <ion-item>

        <ion-label position="floating">Mobile</ion-label>

        <ion-input formControlName="mobile" type="text" required>

        </ion-input>

      </ion-item>

         <ion-item>

        <ion-label position="floating">Class</ion-label>

        <ion-input formControlName="class" type="text" required>

        </ion-input>

      </ion-item>

         <ion-item>

        <ion-label position="floating">UID</ion-label>

        <ion-input formControlName="uid" type="text" required>

        </ion-input>

      </ion-item>

         <ion-item>

        <ion-label position="floating">Course</ion-label>

        <ion-input formControlName="course" type="text" required>

        </ion-input>

      </ion-item>

      <ion-row>

        <ion-col>

          <ion-button type="submit" color="primary" shape="full" expand="block">Update Student</ion-button>

        </ion-col>

      </ion-row>

    </form>

  </ion-list>

</ion-content>

**//feedback-detail.page.html**

<ion-header>

  <ion-toolbar>

    <ion-buttons slot="start">

      <ion-back-button></ion-back-button>

    </ion-buttons>

    <ion-title>

      Feedback

    </ion-title>

  </ion-toolbar>

</ion-header>

<ion-content>

  <ion-list lines="full">

    <form [formGroup]="updateFeedbackForm">

      <ion-item>

        <ion-label position="floating">Name</ion-label>

        <ion-input formControlName="name" type="text" readonly></ion-input>

      </ion-item>

      <ion-item>

        <ion-label position="floating">Gender</ion-label>

        <ion-input formControlName="gender" type="text" readonly>

        </ion-input>

      </ion-item>

      <ion-item>

        <ion-label position="floating">DOB</ion-label>

        <ion-input formControlName="dob" type="text" readonly>

        </ion-input>

      </ion-item>

      <ion-item>

        <ion-label position="floating">Rated</ion-label>

        <ion-input formControlName="rate" type="text" readonly>

        </ion-input>

      </ion-item>

         <ion-item>

        <ion-label position="floating">Suggestions</ion-label>

        <ion-input formControlName="suggestion" type="text" readonly>

        </ion-input>

      </ion-item>

      <ion-row>

      </ion-row>

    </form>

  </ion-list>

</ion-content>

**//login.page.html**

<ion-header>

  <ion-toolbar>

    <ion-buttons slot="start">

      <ion-back-button></ion-back-button>

    </ion-buttons>

    <ion-title>Sign in</ion-title>

  </ion-toolbar>

</ion-header>

<ion-content>

  <form>

    <ion-item lines="full">

      <img src="assets/SPIT\_logo.jpg" alt="SPIT-logo" class="center">

  <ion-card-title class="login">S.P.I.T</ion-card-title>

      <ion-label position="floating">Email</ion-label>

      <ion-input type="text" #email required></ion-input>

    </ion-item>

    <ion-item lines="full">

      <ion-label position="floating">Password</ion-label>

      <ion-input type="password" #password required></ion-input>

    </ion-item>

    <ion-row>

      <ion-col>

      <ion-button type="submit" (click)="logIn(email, password)" expand="block">Login</ion-button>

     <ion-button type="submit" (click)="Signup()" expand="block">Register</ion-button>

      </ion-col>

    </ion-row>

  </form>

</ion-content>

**//register.page.html**

<ion-header>

  <ion-toolbar>

    <ion-buttons slot="start">

      <ion-back-button></ion-back-button>

    </ion-buttons>

    <ion-title>Register</ion-title>

  </ion-toolbar>

</ion-header>

<ion-content>

  <form>

    <ion-item lines="full"><img src="assets/SPIT\_logo.jpg" alt="SPIT-logo" class="center">

      <ion-card-title class="login">S.P.I.T</ion-card-title>

      <ion-label position="floating">Email</ion-label>

      <ion-input type="text" #email required></ion-input>

    </ion-item>

    <ion-item lines="full">

      <ion-label position="floating">Password</ion-label>

      <ion-input type="password" #password required></ion-input>

    </ion-item>

    <ion-row>

      <ion-col>

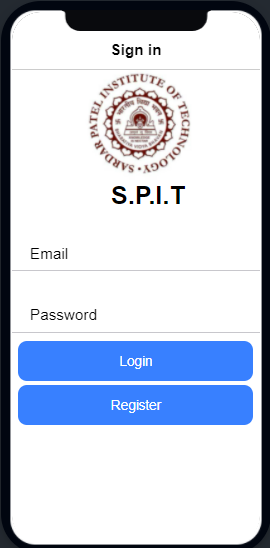
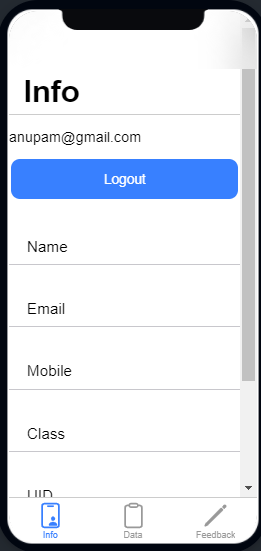
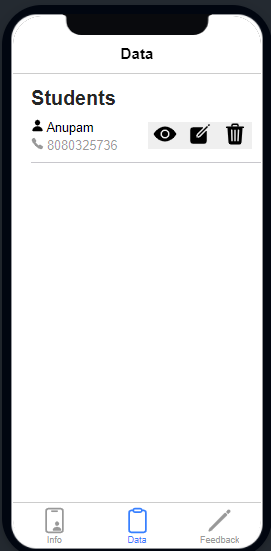
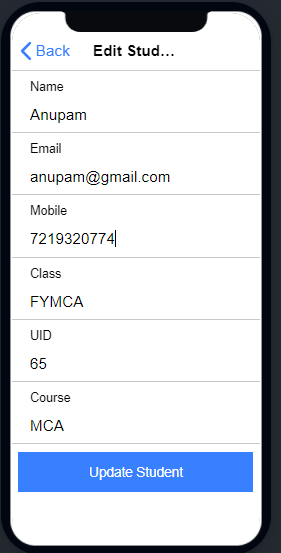
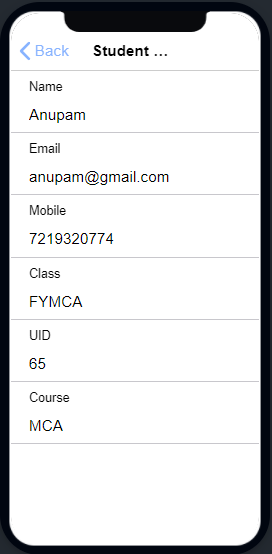
      <ion-button type="submit" (click)="signUp(email, password)" expand="block">Register</ion-button>

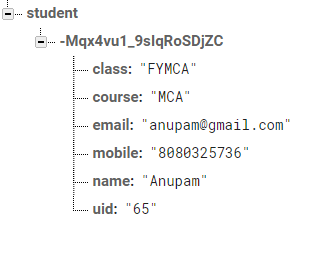
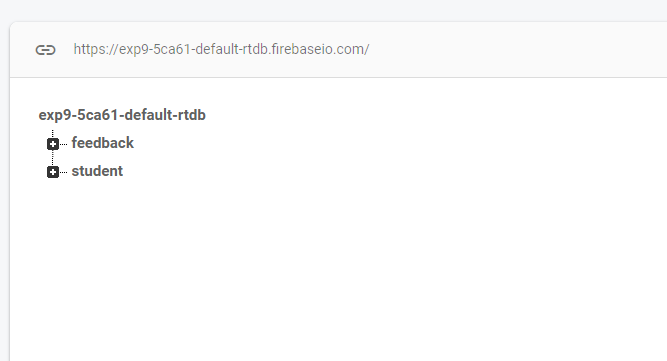
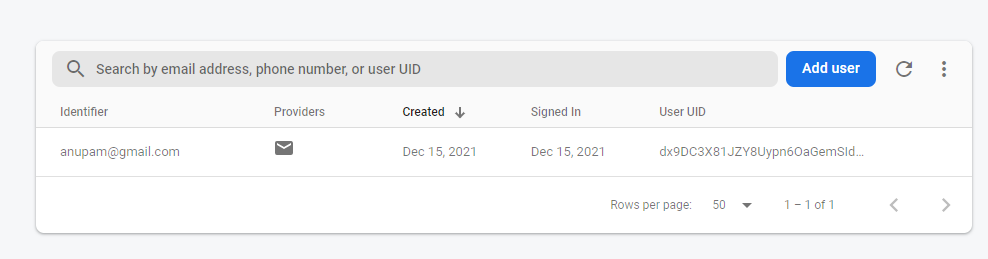
      </ion-col>

    </ion-row>

  </form>

</ion-content>

**b) Screenshot of the UI made.**



2) Document consisting of the following questions and answers:  
  
  
**a)  What configuration information do we need to get from Firebase to connect it with ionic project?**

-> We only need the configuration i.e. the details like api key, app id and all related stuff, which is provided by the firebase itself when we click and create the new web app.

Configuration by Firebase used in the app:

    apiKey: "AIzaSyDuuaMVDVGe12xSHWr4BbKqkddB8rIbYbc",

    authDomain: "exp9-5ca61.firebaseapp.com",

    projectId: "exp9-5ca61",

    storageBucket: "exp9-5ca61.appspot.com",

    messagingSenderId: "966593480679",

    appId: "1:966593480679:web:cad768349479176341df42"

**b)  What are the dependencies we need to install for Firebase authentication.**

-> We need to install the dependencies such as @angular/fireauth and the firebase itself so start the authentication and also we need to start the authentication part of the firebase app in the console.

**c)  What is the use of angularfireauth?**

**->** Anguarfireauth is used for the authentication purpose and also its one of the dependencies of the firebase.