**Lab Assignment 2**

It is a group assignment, with max students per group: 2

Viva will be taken from each individual student.

No inter-group copying of assignment is allowed.

The assignment solution must be uploaded on portal before due date.

Use the tab navigation or drawer navigation to show menu for the assignment.

You need to store and retrieve data from Firestore database.

The user will perform input of data in the following screen. When the submit button is clicked, the data is uploaded in firestore as a new document in the collection “persons”. You may also need subcollections for subjects and skills.

**INPUT DATA SCREEN**

Submit

Email

Name

Gender

Male

Female

Country

Skills

Designing

Backend

Database

Subjects

Phy

Chem

Bio

Address

**DISPLAY ALL DATA SCREEN**

Use flat list or some other list to show the data of all persons, in the following format:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Email** | **Name** | **Country** |
| Select | ali@gmail.com | Ali Khan | Pakistan |
| Select | noman@gmail.com | Noman Ali | Afghanistan |

When the user click on “select” against any record, the data is displayed in the following manner. (Pass the email to the next screen, where the record will be fetched from firestore against the email and showed in display screen).

**DISPLAY SINGLE DATA**

Edit

ali@gmail.com

Email

Ali Khan

Name

Gender

Male

Country

Pakistan

Skills

Designing, Database

Subjects

Phy,

Bio

Address

Lahore, Gulberg

Delete

When the user press delete button, the record should be deleted (after a confirmation alert) and the user should be directed back to the display all data screen.

When user presses on Edit button, the edit data screen should appear where his name and address should be in edit mode. (again, pass the email to edit screen and fetch record from db)

**UPDATE DATA SCREEN**

Update

ali@gmail.com

Email

Name

Address

Lahore, Gulberg

Back

 Ali Khan

When user clicks on Update, the record is updated. When the user click on Back, he is directed back to the display single data screen.

**SEARCH SCREEN.**

Search

Email

ali@gmail.com

When the user click on search button, the email is passed to the display single data screen, where the user’s record is displayed.