

Duration: 1.5 Hours

Topics (Slide 07: Forms, Slide 08: Firebase)

UI: Setup for form validation, setup firebase CRUD operations

The IT College is interested in building a mobile app to help organize student activities. The app is expected to have a page for students/members to register their information. A **member** must provide (Student ID, First Name, Last Name, age, gender, major, contact information: phone and email). Student **activities** vary in type and nature and therefore not all activities suit all students or fall in their area of interest. Generally, an activity must have a Title, Date, duration, venue, number of participants and Topic (Activity topics can be selected from: Cultural, Scientific, Competition, Organization, or General).

Therefore, you are requested to implement a two page or two tabs app as follows:

1. One page to **Register, Edit** and **Remove** members information.
2. The other page allows to **Add, Edit** and **Delete** activity information.

To ensure the information is shared across all users, the data must be stored in the cloud firebase firestore service. You will probably need a firestore collection for members and another collection for activities.

As a designer and project owner, you may want to scrutinize the data before being saved in the cloud and therefore you are obligated to apply **form validation** across some or all form fields.