

## **Software Engineering Course – Mid Semester Presentation**

Although we already presented our app to Eitan on 06/12/2021 at 16:30, and we all got a 100 grade. As requested, this file represents the additional information needed for this task (in addition to the “App screens document” file that contains all the screens of this app and screenshots of it in action).

**Project/App Name:** StudentHub

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**Github Repository Link:** <https://github.com/YD5463/StudentHub>

### **Current working actions on our app:**

Our app has many different types of objects and actions, as it is necessary to create a fully functional app with two types of users (regular user and an admin).

Our app has these listed actions that are fully operational:

- When first opening the app, a user can either choose to sign in for the first time, or login as a returning user. (Main screen)
  - By signing in, the user must fill in all the necessary fields in order to create a profile, with all the data being stored in Firebase Realtime Database.
  - By logging in, the user must enter his email and password which is already stored on our database.
  - In case the user forgot his/her password, they can click the “forgot password” button and a reset password email will be sent to them.
  - Once signing up/logging in, the user will be directed to the home screen, there they can view all the latest uploaded posts by other users and by themselves.
  - When a post is clicked, a new activity is initialized showing all the details of the post that a user would want and need to know, including photos of the posted product, detailed description about it, its price, and contact details for the user, with the ability to call the seller straight from the app.
  - Any user can upload their own post by clicking the “+” button on the dashboard and adding all the necessary details that they want to add.
- The user can go the “my profile” screen shown on the dashboard and there they can logout of the app, see all their posts and delete them if needed.
- In case the user is also an admin, they have the option of deleting other posts and users in case they are misusing the app for their own personal agenda (political, racial, cyber bullying ...etc).

There are two main objects that are in use that we store the data on Firebase Realtime Database.

#### **User Data:**

All the user data that is entered when users sign up to this app, as well as additional information that is not entered.

The fields for these objects are: email, full name, phone number, profile image url, , gender, isAdmin (Boolean), user ID (created automatically).

With only the first 4 supplied by the user.

#### **Post Data:**

When a post is uploaded to our app by a user, all its data is stored on our database, with additional information as well.

The fields for these objects are: title, description, price, image urls, startCount post creation date.

With only the first 4 fields being supplied by the user.