SODV3203 – Mobile Application Development – Winter 2020

Project Documentation

The Development Stages

Stage One – 28th March 2020

* Add Internet Permission
* Add register and Login Buttons in Main Activity
* Create Register activity
* Create Firebase Project and connect app with that project
* Check google services json file to make sure app is connected with firebase
* User registration using email and password
* Make profile activity launcher
* Go to profile activity after registration and login
* Add logout Feature

Stage Two – 5th April 2020

* Make profile Activity Launcher
* On App Start, Check if user signed in, if yes, remain in profile activity, else, go to Main Activity
* Create Login Activity
* Login User with Email and Password
* Go to ProfileActivity after login
* Add options menu for adding logout Option
* After Logging out, go to main activity

Stage Three – 07th April 2020

* Add recover password option in LoginActivity
* Clicking Forgot password will show a dialog containing
  + TextView as a label
  + EditText as input Email
  + Button (will send recover password instruction to user’s email
* Some Improvements

Stage Four – 08th April 2020

* Add Google Sign in Feature
  + Requirements:
    - Enable Google Sign in from Firebase Authentication
    - Add Project Support Email
    - Add SHA1 – Certificate
    - Add Google Signin library

Stage Five – 08th April 2020

* Save Registered user’s information (name, email, phone, image)
  + In firebase realtime database
    - Requirements
      * Add firebase realtime database
      * Change firebase realtime rules
* Add Bottom Navigation in Profile Activity having three menus
  + Home
  + Profile
  + All Users

Stage Six – 08th April 2020

* Design User profile
* Get User information from firebase
* Show user information

Stage Seven – 09th April 2020

* Edit Profile
  + Name
  + Phone
  + Profile Picture
  + Cover Photo
    - Requirements
      * Camera and Storage permissions (to pick image from camera or gallery)
      * Firebase Storage libraries (To upload and receive profile/cover Photo)
    - UI Updates
      * Add ImageView (for cover photo)
      * Add Floating Action Button to show dialog containing options to edit profile
      * Add Default image for profile pictures