

**Griffith College**  
Repeat Assignment

BSCH-MD  
Mobile Development

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Stage 4

Mobile Development Project

Android Based Mobile Application

“Student Support”

The developed mobile application is a platform that helps students to connect between each other and support with study modules.  
The developed mobile application shows to logged person in the system they current location and profiles of other students with details of what modules they are in studying progress at the moment, what not started (to possibly ask support in future), and programs that other students are finished together with location where they are comfortable to meet.

Main idea is that students are voluntarily giving contact details to have contact from other students that might need support with modules that have been completed.

For such a project was used Google Firestore as a database where information about users is stored. Alongside for user authentication was user Firebase Auth system. For having location of the current user, the GPS location sensor was used.

Functionalities of the developed system are:

* Login as a User Student
* Registration of User Student
* Creating students` profile
* See on the Map other student profiles

To developed such system handy tools are Class Diagram, Sequence Diagram and Use Case diagram , which helps developer to be focused and properly clarified what is need to be developed and how is better to implement.

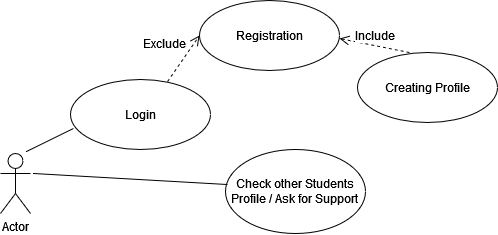
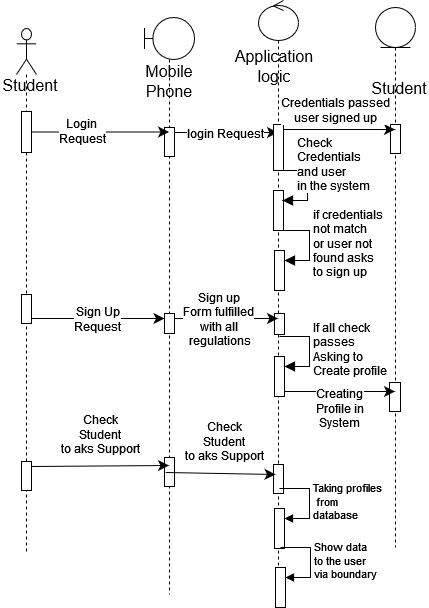
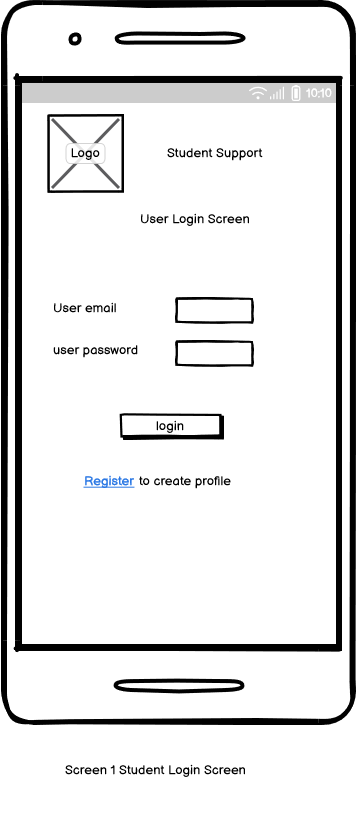
The Use Case Diagram of developed project is:   


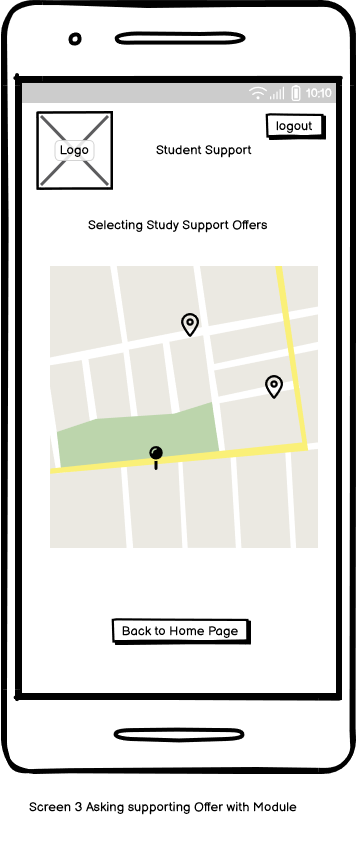
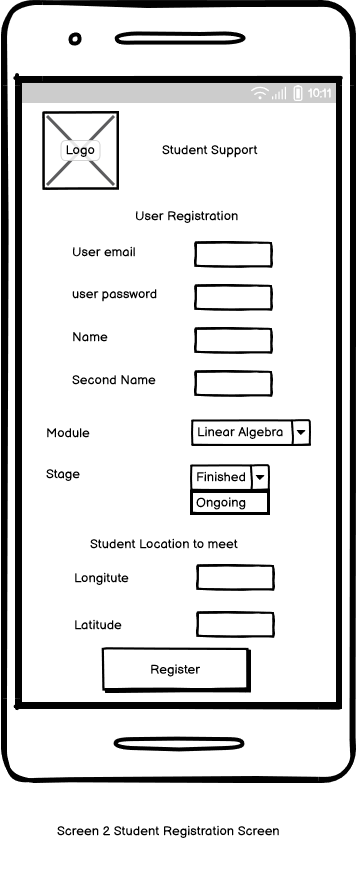
Figure 1: Student Support Application Use Case Diagram

Which gives explanation how user going to interact with the developed system. User as Student can login to system, if not have a profile – register in a system and automatically create a profile.

The Sequence Diagram helps to clarify how the information flows inside the system and to see how the system takes and process information.

  
  
  
The design of Student Support Mobile application is based on principals of being simple and intuitive understanding.   
The Wireframes of the mobile application are presented below.





On Screen 1: student can have a Login Fn