University of New York in Tirana
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System Analysis and Design
PROJECT
DRAFT PHASE I

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Notes and Documentation

Information regarding the project

This project was coded in Netbeans using Java programming language with the appropriate techniques with a main focus on applying the software architecture, design and internal quality accumulated from this course and given resources, and using XAMPP server software which gives the suitable environment for testing MYSQL.

As specified, this is a desktop application which can be run locally.

The given specifications and functional requirements were addressed and they have been followed rigorously:

- **FR1: Search for available courses:** A student can see all courses of the current semester in his major and minor subject. He is able to join the course which saves it into his course list. He can also drop a course.
- **FR2: Check course details:** A student can see details about a course such as the course times, the location of the lecture hall and other course attendees including their name.
- **FR3: Update profile:** A student can update his profile settings (first name, last name, age)

- ○ **FR4: Add comments:** A student can add comments about a course and read all comments that the other students have written for a course. He/she cannot react to a comment (add likes or write follow-up comments).

- ○ **FR5: A student can see a list of all his/her friends**
- ○ **FR6: A student can see the list of all students who are registered in this application and can choose students to add in his/her student friend list.**
- ○ **FR7: Browse friends' courses:** A student can see a list of all the courses where his/her friends are registered. He can not register for a course if the course is not part of his major and minor subject.

Extra: I did include a login and sign-up button, for easy access and appropriate design.

How to use

- Open any integrated development environment | I have used NetBeans and as such, I can confirm that there are no errors using that specific IDE. Subject to change for other IDE's, unknowingly.
- Connect to database file unyt.sql | I used Xampp and Mysql
  - ○ Do check cms > Myconnection.java on the project files as it contains the info for connecting to the database which should be changed accordingly.
  - ○ Database name attached to the file: unyt.sql

Lastly, upon further use and code analysis I have concluded that the code is easily maintainable, readable and understandable and comments are also added for further details and refactoring purposes.

Additional information and further analysis will be expanded on the final documentation which will include all the given specifics as well as testing phase.