IT 332 Mobile Application Development

Semester Project

The semester project would require building an Ionic application of your choice. Students need to submit a small proposal outlining the semester project that they aim to build, the technologies they are going to use, the features that their app will provide. There can be a maximum of 2 students inside a group project however I strongly encourage students to avoid making a group and do it on their own. Remember, your target for this course should be maximum learning and not just getting a grade.

You are free to choose whatever app you want to build however my recommendation would be this: Building a CRUD Ionic app that will communicate with the backend and database (ideally Node.js and MongoDB). This will help you achieve in-depth learning and would give you an understanding of how mobile apps these days are being built.

Usage of Node.js and MongoDB is entirely optional. Instead of setting up Node.js and MongoDB by yourself, you could instead use an already existing node.js application deployed to the cloud (I will provide the link).

Remember, the semester project marks will be given on the basis of each individuals effort (in case of a group project). The project will have to be uploaded on github and a readme file is required which provides screenshots and explains how the app works and what it does and also how to install it. There will be bonus marks for using a good/catchy App name and having a logo.

Students will need to submit a proposal of the semester app they wan't to build. The proposal will have to be 2 or 3 pages minimum outlining the application they want to build, the tools/technologies they are going to use and a brief overview of modules/pages that will be built**.** Email me your

proposal as soon as possible after mid-terms so we can start working on the mobile app.

Checklist:

- Minimum of 20 commits on github.
- Minimum of 6 different pages in the mobile app.
- Catchy Name and logo (optional).
- Proper screenshots posted on github readme explaining everything.
- Usage of @Input(), Services and Shared Modules.
- Bonus marks for using Node.js / MongoDB

The marks will be divided based on :

- User Interface of the application.
- User Experience of the application.
- Complexity of the application.
- Scope and Usability of the application.
- Usage of REST Api