CSC 210 – Web Programming

Group Project

This project is to serve as a practical demonstration of the materials learned so far in this course. This is a group project which will be significant in size and complexity; be prepared.

Due Date

Final presentations will be held during our last week, the schedule will be finalized at a later date.

Description

This group project is going to test your group's ability to produce a full-stack web application.

What you create…is up to your group! You will need to get it approved by your assigned TA and/or professor.

Requirements

Working with your group, you will need to plan out your project using the Agile product management concepts discussed in class.

Your project must meet the following criteria:

- ✓ There must be at least one database to persist your app's data that you create, maintain, and design.
- ✓ You must use a server-side technology to act as your Web API to surface the data in a meaningful way to your client(s).
- ✓ Your group must create at least one web client that is targeted to modern browsers that will interact with your API to make use of your data.

Product Check-ins

Sprint ceremonies will be used as formal means to check-in with your assigned TA. The effectiveness of these ceremonies will benefit the group beyond merely a grade. These are imperative to your group's success and to help stay on track. You will have to go out of your way to procrastinate and therefore put your team at a significant disadvantage.

Grading Scheme

Requirement	Grade Value
Database	20%
Web API	30%
Client	25%
Check-Ins	10%
Peer Review	10%
Final Presentation	5%
Total	**100%**

Bonus

Your group may earn up to 5 bonus points by employing concepts above and beyond the standard requirements.

Examples may include

- Cloud hosting of assets
- Container deployment
- Multi user live action application (game, or otherwise)
- Authentication and security best practices
- Integration with 3rd party APIs

Project Ideas

If your group is struggling to come up with a project idea by the deadline for project proposals, please see your TA and/or your professor.

Project ideas that may be within reason:

- E-Commerce site
- Online browser-based game
- Card game
- API mash-up