EECS 2311

Software Development Project

January 10, 2021

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Overview

- We will develop a complete software system from scratch

- We will learn to use a number of different tools that are designed to help the software development process

- Development will be in groups
  - Everybody is expected to code

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Workload

- This course requires 8-10 hours per week per student

- Group weekly task: During the official meeting time, you will have a 10-minute progress report meeting with the customer, your manager, and the course instructor

- Individual weekly task: Study material and a lab task will be posted every Wed. You will need to demonstrate the lab task to the TA the Wed after

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Evaluation (individual)

- 10% - Weekly lab tasks completed

- 20% - 4 peer assessments
  - For each peer assessment, you will receive either a document or a prototype from another group to provide feedback on
  - Your grade in the peer assessment will be based on the quality of the feedback you provide

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Evaluation (group-based)

- 25% - Midterm submission (due Feb 28)

- 45% - Final submission (due April 13)

- Each group submission will receive a grade based on its merit. Individual grades may be less if full participation has not been demonstrated.

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Our project

- An initial description is posted under Project on the course wiki page

- Let's take a look at it…

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Intentionally vague requirements

- In a real software development project, requirements are vague and ever-changing

- The exact requirements will be refined iteratively by interacting with the "customer" on an **ongoing basis**

- Some requirements may change after the project has started

- New requirements may be added after the project has started

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Groups

- Groups are assigned randomly by the "manager"

- As enrollment in the course changes in the first few weeks, the "manager" may rearrange the groups

- Same as a real software project!

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Class "exercise": Find your group

- Login to the EECS 2311 page on eClass (use your Passport York credentials)

- Find your group number (click on Participants)

- Go to the breakout room with the same number to find your teammates

- Introduce yourselves and exchange contact information

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Until Wednesday

- Make sure you understand what the project is about
  - Understand how tablature works
  - Read up on MusicXML

- Do not start coding yet. We will set up our github repositories on Wed
  - But before Wednesday…

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All group members

- Go to github.com and sign up for an account

- If you already have a github account, you can use it for the course

- However, if your existing github account has a username that has nothing to do with your name, you might want to create another account for the course

- **Your participation in the project will be assessed based on your github activity!**

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