COSC 499: Capstone Software Project Course

INTRODUCTION

WELCOME TO YOUR Capstone Project

WHO I AM?

- My name is Gema Rodriguez-Perez. I'm a new faculty in computer science and I will be your instructor in COSC 499.

- I'm originally from Spain, but I've been in Canada since 2019.

- Previously, I worked as postdoc in the University of Waterloo.

- My interests are Open Source Software, Software maintenance and evolution, software bugs, and team dynamics in Open Source.

COURSE OVERVIEW

- 8 Months project course with industry client (Sept-Apr)
  - Very hands off experience

- Client:
  - May or may not be technical. Requires a technical solution

- You: consultant role
  - Advice on technical decisions made and solutions provided

- Instructor:
  - Project manager role to measure progress
  - Support team management issues

EVALUATION CRITERIA

Total: 100%

- **Team marks: 45%**
  - Milestones:
    - Requirements (8%)
    - Peer testing #1 (10%)
    - Peer testing #2 (12%)
    - Final presentation and reports (15%)

All team submissions are modified by peer eval scores so individuals within the same team may get different marks

- Individual marks: 40%
- Client Feedback: 15%

EVALUATION CRITERIA

- Total: 100%
  - Team marks: 45%
  - **Individual marks: 40%**
    - Weekly marks (35%)
      - Punctuality
      - Professionalism
      - Preparedness
      - Individual contributions (relative to team progress)
    - Completed peer and group evals (5 %)

  - Client Feedback: 15%

EVALUATION CRITERIA

- Total: 100%
  - Team marks: 45%
  - Individual marks: 40%
  - **Client Feedback: 15%**
    - Evaluation in December (5%)
    - Evaluation in April (5%)
    - Rankings made based on submitted deliverables (5%)

POLICIES

- Late work:
  - No late work will be accepted without a valid medical note

- Passing criteria:
  - Students must pass all three components in order to pass the course (that is, >= 50%)
  - Otherwise student will get a max of 45% for the course.

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HOW DOES THE CLASS WORK?

- Web page: https://gemarodri.github.io/Capstone499/
- Class meets on Wednesdays and Fridays.
  - Some days we will have lectures about important content for the project
  - Other days we meet to report on feature completion. There are a fixed time for each project (~15 m)
  - Everyone must show up for the class

- Submit all deliverables before class

HOW DO THE MEETINGS WITH THE CLIENT WORK?

- Meet client once each week
  - 2/3 teams per project client
  - All teams meet with client together
  - No individual can monopolize client meeting

- Teams should share agenda and minutes with each other
  - Preparedness is crucial
  - Client will evaluate the teams based on meeting experience and submitted work
  - Client will rank output of each team's deliverables

- Beyond this course – ultimate aim is to get client's reference letter

PROJECTS OVERVIEW

- The description of the projects is in https://gemarodri.github.io/Capstone499/projects.html

- YOU NEED TO:
  - Read the projects' description
  - Rank the projects based on your preferences.

HOW TEAMS WILL BE FORMED?

- Surveys will be used to form teams
    - Questions about skills/knowledge
    - Questions about clients' requirements
    - Questions about people preferences
    - Questions about project preferences

- Please, let me know as soon as possible if:
    - Anyone wants to withdraw, of if anyone is not sure if they will be in this course?
    - Anyone have problems to access to Canvas?

LET'S LOOK AT THE TENTATIVE SCHEDULE

https://gemarodri.github.io/Capstone499

All items under THINGS TO SUBMIT are due at the beginning of class on the date it is listed. The sign $\otimes$ denotes the weekly git stat report in PDF for each team. The sign † denotes deliverables that your client will rank.

NEXT WEEK:

- Intro to software teams
  - Discuss team responsibilities and roles
  - Meeting expectations

- Details of how you will be graded each week

- Always check on website for up-to-date schedule: https://gemarodri.github.io/Capstone499/

DUE NEXT WEEK

- Watch IP video and review IP agreement
  - Especially 19:32, 38:53, 39:43

- Brief description in Canvas about your skills, interests, and hobbies. This will help other students that do not know you to learn and pick you as a potential teammate.

This is a safe space for everyone

- Treat others with respect. Respect the opinions of others in class discussions and team discussions.

- Be conscious of your body language. Non-verbal responses can also indicate disrespect.

- I'm open to any kind of feedback. Do not hesitate to tell me anything related to COSC 499, I will hear it.

- If you are encountering problems within your team, your client, or other students, please let me know.

- These are difficult times, I will try to be as much flexible as possible.

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