PACE UNIVERSITY
Seidenberg School of Computer Science and Information Systems

CS631G Software Verification

FINAL PROJECT PRESENTATION

GUIDELINES (W13)

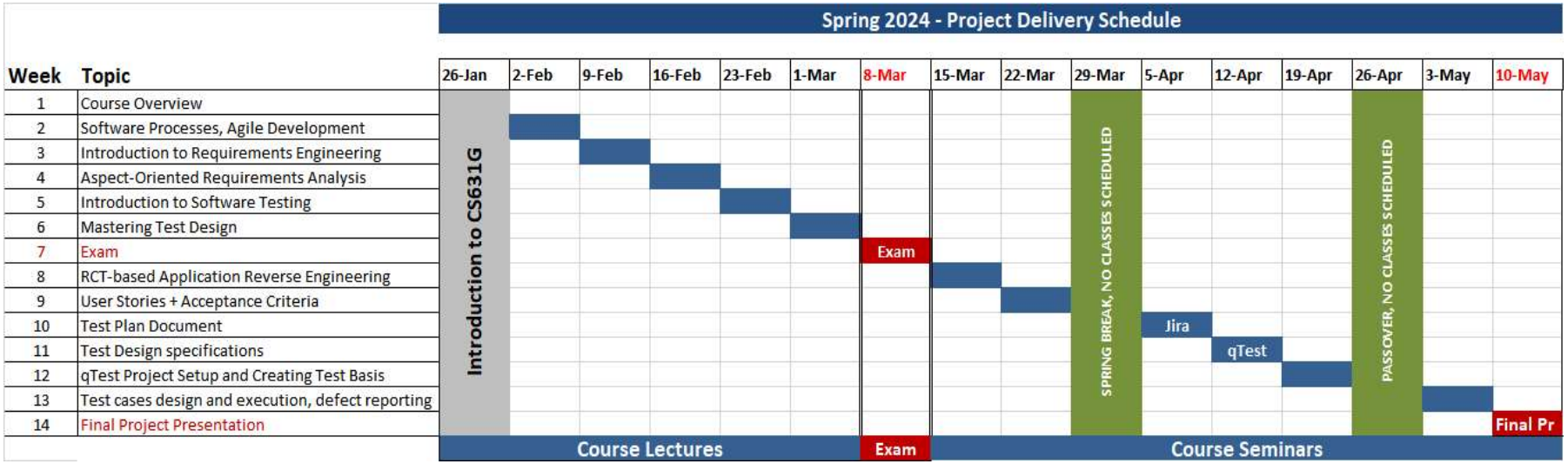
Class instructor: Yuri Chernak, PhD

Project Presentation Objectives

- During this session, all project teams will present deliverables of their projects and provide a demo of their applications.
- Each team will be given 30 min to present their project, including an application demo.
- Each team should practice their presentation to make sure they can fit the 30-min limit.
- A complete list of deliverables, teams submit for project assessment, is shown in Slide 4.
- Each team should schedule a final meeting prior to the presentation to review and confirm the list of deliverables. All members of a given team will get the same score for the project.
- The purposes of this final presentation are the following:
    1. to report results of the project the teams worked on during this semester. The project deliverables will be graded. All members of the same team will be given the same grade for the project.
    2. to give students an opportunity to develop presentation skills they will need to pass job interviews and get IT jobs.

Project Delivery and Presentation Schedule

- The project presentation is scheduled for May 10, 2024



Presentation Checklist and Grading

- All deliverables, listed below, are required to be completed and sent to the Instructor as **email attachments (no links please!)** for review a day before the presentation date – May 9, 2024.
- Each document file should be named (enumerated) following the below checklist, for example "1. Functional Decomposition Diagram", "7. Testing RoadMap", etc.
- Each team creates a folder "Final Presentation" in Git and uploads ALL documents + Demo to this folder.
- All deliverables will be graded as shown in the table below; deliverables, marked YES below, are required to be presented and discussed in the class, during the **final project presentation**.

Instructor already has these docs, no need to send.

No	Deliverables	Presented in Class (Y/N)	MAX Points	GitHub Folder
1	Functional Decomposition Diagram	YES	3	Requirements
2	Context Diagram	NO	3	Requirements
3	Dataflow Diagrams	NO	3	Requirements
4	Requirements Composition Table (composition view)	YES	10	Requirements
5	Entitlements Specification (RCT tab)	NO	2	Requirements
6	User Stories with Acceptance Criteria	NO	7	Requirements
7	Testing RoadMap	YES	3	Test Planning
8	Test Plan Document	YES	7	Test Planning
9	Test Design Specifications (individual grading)	YES	10	Test Design
10	Test Case Specifications (individual grading)	YES	10	Test Design
11	Test Execution Logs (export from qTest)	NO	5	Test Execution
12	Defect Reports (export from Jira)	NO	5	Test Execution
13	Test Summary Report	YES	5	Test Execution
14	Final Presentation (PowerPoint)	NO	7	Final Presentation
15	Final Project Presentation in Class, App Demo (recorded)	YES	20	Final Presentation
		Project Delivery TOT:	**100**	

Documentation Enumeration Example

1. ProjectPlan
2. PID-Document
3. BRMDiagram-UserRoles
4. ContextDiagram-SystemInterfaceTable
5. ArchitectureDiagram-(Logical&ProcessViews)
6. BusinessRequirements
7. RCT
8. UseCaseDiagrams-(UML)
9. ActivityDiagram-(UML)
10. DataFlowDiagrams-(Logical,Physical)
11. FunctionalRequirements-(UserStories)
12. Class-Diagram
13. Sequence-Diagrams
14. ER-Diagrams-(Conceptual,Logical)
15. TableSpecifications(Data-Dictionary)
16. Github Repository
17. TestPlan-Document
18. ApplicationDemo
18. FinalPresentation

This is just an enumeration example, not your actual list!

Project Presentation Agenda

Presentation Preparation

- Each team should practice the presentation to make sure they can fit the 30 min time-slot.
- When planning the team's presentation, make sure every team member has a part in the presentation.
- An application demo should be pre-recorded in advance. Make sure the file size is small enough to allow submitting it by email as attachment.
- All documents for the final presentation should be archived in the Git repository. See the folder structure in Slide 4.
- During the **class presentation**, a team presents project artifacts as follows:

  FDD Diagram -> RCT (main view only) -> Testing RoadMap -> Test Plan Document -> Test Design Document -> Test Cases -> Test Summary Report -> Live [Recorded] Application Demo

Presentation in the Class

- Each team is given 30 min for the entire presentation, which includes 25 min for presenting the deliverables and 5 min for showing the application demo.
- A QA Manager has all documents for the presentation on a flash-drive to use in the class and invites team members to explain each document.

Presentation Instructions

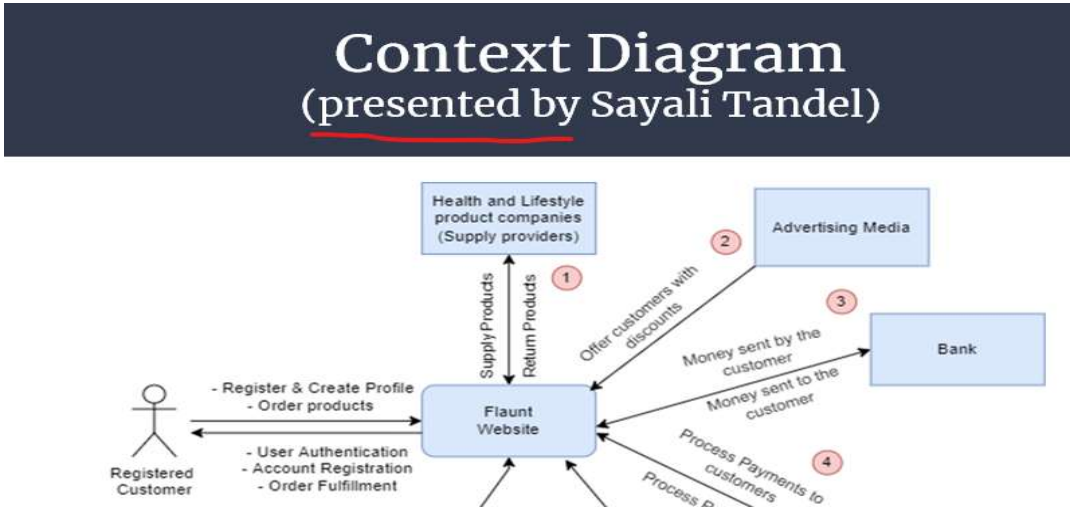
There are 8 project deliverables, listed below, that each team will present.
When presenting a given deliverable, begin with explaining it purpose and value.

1. Functional Decomposition Diagram -> explain external data feeds.
2. RCT (main view) -> explain what was included in the scope of testing cycles.
3. Testing RoadMap -> explain the schedule and scope of testing cycles.
4. Test Plan document -> explain the purpose of main sections of the document.
5. Test Design document -> explain one test design, the purpose of the document.
6. Test Case specifications -> explain 2-3 test cases from the same test design document.
7. Test Summary Report -> explain the purpose of the document, provide an overview of testing results.
8. Live [Recorded] Application Demo -> run the recorded application Demo showing the application functionality that the team tested. Recording time is about 3 min. Make sure the recorded file can be attached to an email for submission.

Project Presentation PowerPoint Document

PowerPoint Document

- It is a CS Department requirement that each project team produces a final project presentation document.
- This document should be created as PowerPoint slides, where each slide includes an image of the final document and a name of the student who presents the document in class (see an example below).
- The presentation PowerPoint is not part of the final presentation in class, but should be submitted along with all other project documents (see Slide 4).

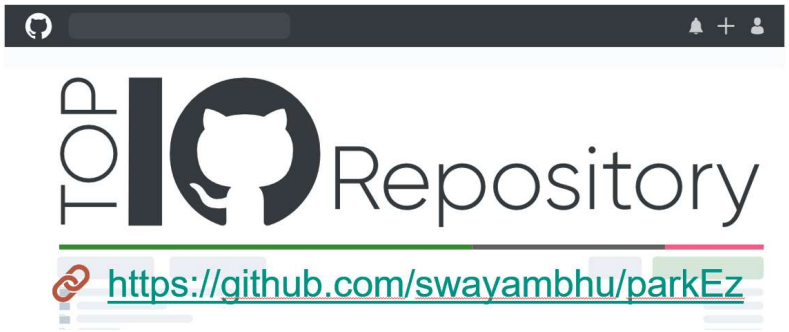


Project Presentation: Appendix Slides

PowerPoint Document

- The document should include Appendix with 2 slides as shown below:
  - GutHub repository link
  - GitHub repository folder structure

GitHub Repo Link



GitHub Repo Folder Structure