

574 Software Development as a Team, Fall 2023

Project Final Deliverables

Your work will be assessed according to:

- Your project repository: Recall that our goal in this course is to develop a project from end to end and use good software development practices. As has been reiterated several times throughout the semester, the final product as well as managing the software development process are the main learning objectives.
- The **deployed** project and how it conforms to the requirements.
- The project **repository** in terms of its content as well the effective use of the software development tools and practices (as discussed in class throughout the semester).
- Your project repository and deployed application will be evaluated regarding the software product and management of the development.
- Implementation (code on git repos)
 - code (includes unit tests and source code documentation)
 - documentation
 - user tests
 - your final Project report
 - explicit credit for external solutions (this is valid for software that has been released with a license for reuse.)
- Your active participation during the course.

Import Reminders:

It is important that you have applied the software development methods and tools in accordance with good software development practices. For example, the code you produce should be appropriately committed to your repository with proper pull requests. Similarly you should have managed the project with well defined issues which are tracked.

No code can be directly reused with or without permission. Use of code of your classmates is absolutely out of the question and will be considered plagiarism. All content must have use rights (creative commons or other permissions)

Due dates:

Project Reports: 3.1.2024 @ 17:00

Demo presentation: 4.1.2024 (contact me for earlier presentation)

Your final deliverable package includes two types of efforts relevant to the software development:

- Team work
- Individual contributions

Date: 3.1.2024 @ 17:00

How: In a folder called *final-deliverables* of your project repository & a printed report to be submitted in person.

Team Contributions

Create a markdown file with your Group number

<GROUP_NO>Final-Project-Report.md (e.g. Group1-Final-Project-Report.md).

Your group report must include (not limited to) the following :

- A declaration that all work in the project you are submitting is performed by yourself, and the declaration of any 3rd party software you used to abide by the licenses. The hard copy will be signed by all members.
- Title page including your name, course, date, and project name, git repository, git tag version, deployment URL
- A table of contents
- list of deliverables
- References - if applicable
- Demo user information I need when testing your deployed application
- Project details:
 - Status of Deployment: include the URL
 - Dockerization status
 - Project Overview – an executive summary of what was the be built and what is delivered.
 - Software Requirements Specification
 - Design (Software & Mockups) – UML diagrams and images

- Status of your project: the status of each requirement (completed, not completed where completed means it is documented, tested and deployed)
- System manual - what are the requirements to run this system and installation instructions (docker)
- User manual - A description of how to use your system
- Test results (unit test coverage output & manual user tests.)

Individual Contributions

This section will consist of the work that is performed by each team member. Each team member should create a subsection under 'Individual Contributions' to describe their own contributions by providing the following details:

For each significant personal effort:

- The related requirement
- The description
- The related issue URLs (which have been created in a timely manner during the project development, use the references like #48). Do **not** write any new issues for this purpose.
- The URLs to the relevant content (source code, documentation, test, etc.)
- Always include the URLs to all relevant material you refer to, **such as issues, pull requests, commits, requirements.**
- a short video of maximum 5 minutes (can be a screencast, youtube, or vimeo) with a good video including mobile and web interfaces.
- **Executive Summary:** Provide a clear summary of the work you have contributed to personally and how it is related to the requirements, design, and management. Provide URLs to corresponding issues and wiki contributions.
- Explain the code (including documentation and unit tests) you have personally implemented and provide all relevant URIs.
- Documentation: Describe all the documentation you have worked by specifying the part you have **personally** written.
- Demo: Provide screenshots that demonstrate the most complicated functionality that you have implemented.
- Explain any challenges you met during implementation.
- Code review Clearly answer the following questions by specifying:
 - Whose code you reviewed by indicating the name of your team member and the code you reviewed. Provide the relevant pull request, code review, and conversation.

- Explain what happened as a result of the code reviews you provided. Describe the review interaction and the resulting code.
 - For each code review you received, describe its nature (problems,status, etc.) and how you addressed them.
- Pull requests: Describe each pull request that you created.
- Issues: In tabular format provide the URLs and the titles of the issues that:
 - you created related to this assignment
 - the issues that were assigned to you
- Other: Describe any other work you performed (if applicable).

1 Team Evaluation

The following will be submitted individually. It reflects on the qualities that are important for project **teams**. Please consider what you have learned about managing yourself and your team members when answering the following question.

Create a markdown file with your your name
<STUDENT_ID>_LastName_FirstName.md (e.g.,0000111222_Smith_Joe.md). This file will be submitted seperately.

Evaluate the performance of **yourself** and your team members during the development of your project, entire life-cycle.

Evaluate on a scale from 0 to 5. [0: Lowest 5: Highest].

Write your own name in row 1. Followed by the full names of your team mates.

Team Work	Work Load	Responsibility & Reliability	Communication	Timely Delivery	Total Assessment
My name:					

Submission:

1. Create a release of your software using the **tag** & release feature of your repository. The tag version should be **v0.9** and the message should be: **Swe574 2023 Spring - Final Project Report - Your Project Name**. Write all relevant information in the release notes. The release must be in master/main branch. This means that you should merge all software you want to be assessed into the main branch. Do not delete other branches so as to preserve the approach to work.
2. Submit the deliverables via Moodle. Do not risk submitting at the last minute.
3. As a backup, send your Team Contribution Report Markdown file to: uskudarli.swe@gmail.com with the **Subject: Swe574 2023 Fall - Final Project Report - Your Group Number**
4. As a backup send your Team Evaluation Markdown file to: uskudarli.swe@gmail.com with the **Subject: Swe574 2023 Fall - Team Evaluation - Your Group Number - Your Surname Your First Name (i.e. Swe574 2023 Fall - Team Evaluation - Group 1 - Doe, John**

I look forward to your projects. All the best during your final efforts during this semester.