

Development Plan Assignment Description

4ZP6

Fall 2023

Due date: Oct 27 at 11:59 pm

Submit one per team on Avenue.

Page limit: 6-8 (strictly enforced)

Format: Use single space and size 12 font.

What is Development Plan: Briefly, this is supposed to describe: “Who does what, when, with what tool” and your “what” should cover the requirements from the SRS, along with your workflow and communication.

- I covered this in Lecture 2 (see the slides posted on Avenue). I have referred to this as project or development plan.
- Under Files in our Teams channel, you find both samples from previous years and a template (look for DevelopmentPlan.pdf).

Minimum requirements:

- 1) Title
- 2) Version [Version 0 would be what you submit on Oct 27]
- 3) Team Meeting and Communication Plan (including how you share documents and work on them together). Use of program management tools is optional, but strongly encouraged. You can use Issues in GitHub for that or use Jira, or Trello. If you do that, add your TA and instructor. This is a place to gain bonus points on the final submission.
- 4) Team Member Roles
 - a. Who is responsible for each of the functional and non-functional requirements (multiple people might work on the same component)?
 - b. Who is the coordinator/program manager?
- 5) Workflow Plan
 - a. How will you be using GitLab or GitHub, including branches, pull request, issue management?
 - b. Using agile methods is encouraged. You can use scrum and sprint planning in Jira. State if you will do this. We will not monitor your sprints.
 - c. Where do you store your data (especially if you are doing machine learning)?
 - d. Where do you run compute heavy tasks like training models.
 - e. What tool/method is used to achieve each of the requirements and achieve the performance metrics that were proposed in your SRS?
- 6) Proof of Concept Demonstration Plan
 - a. What will you demonstrate during your proof-of-concept demonstration to convince yourself that you will be able to overcome this risk? For example, one approach would be to have a mock website for a service, with limited backend. There must be code. You cannot just plan to show slides. Seek advice from your TA/instructor if you are unsure.
- 7) Technology
 - a. Specific programming language (front end and backend), coding environment. State if will use unit testing framework, why or why not. If your project is primarily software development (as opposed to research), we expect you to follow software engineering best practices including unit testing.
 - b. ML libraries (if relevant)
 - c. Will you use GPU? Any other relevant technology aspects.
- 8) Project Scheduling
 - a. Include a Gantt chart.