

CPSC 447 23Sep: Project Work-in-Progress (WIP)

Tag a release of your project with tag version `v0.1-wip` by Nov 15 2023, 6pm. Tagging a release allows you to continue the development, even before this milestone is graded. See [instructions for creating releases on Github](#). Your release must contain your first prototype implementation.

Each team member must fill out a peer review form. The link to the form is:

https://ubc.ca1.qualtrics.com/jfe/form/SV_1zFT5fKEzuOe5eK.

Implementation Guidelines

We created a git repository for your team on github.students.cs.ubc.ca. Develop your project by using this repository (don't forget, we'll be considering your commits when grading).

Turn your project proposal into an interactive web-based visualization with D3.

- Keep your usage scenario (from your proposal) in mind when designing your interface. Make sure that your visualization's interface and functionality either (a) allows a user to answer your proposed question or (b) successfully communicates a message or series of messages (narrative visualization).
- Make sure that your code is well-organized and easy to read. Use separate files for visualization components, use functions to promote code reuse. Agree upon a JavaScript style guide (e.g., [Airbnb](#) or [Google](#)) that every team member will follow. Don't work with a messy repo and then try to clean it up before the final milestone. Comment your code early on!
- We don't allow custom backends (Node.js, Python, etc) and database systems, such as Postgres or MySQL, although they could facilitate more powerful applications. In this course project, you should put your efforts into the front-end development (JavaScript, D3, HTML, CSS). Your web application should be stand-alone and have an `index.html` file as entry point, similar to the programming exercises. You can either store static (*optionally preprocessed*) datasets in your git repo or access live data through an API.
- It can be easy to get sucked into a rabbit hole when trying to implement a stubborn feature. While it is important to build skills troubleshooting, we do not want one feature to prevent you from completing the full first prototype. If you're struggling with a particularly tough problem, some ideas are: save it for later, discuss with your teammates, or ask a TA for help!

WIP Requirements

1. Implement the general user interface including at least static and unlinked version of each major view (visualization component) that you proposed. You don't need to have all details fully implemented for this milestone, such as interactivity or linkages between the views, but you should be able to see what the data looks like in each of them.

Don't worry about missing tooltips, small usability issues, or fully implementing your bidirectional linking for this milestone. That said, we encourage you to work closely with your teammates while implementing, in particular to carefully design how you will integrate your views together, i.e. through interaction or layout, later on. If each team member implements their assigned views completely independently, it may take significant time and effort to integrate them later.

Although your eventual goal is to create a self-documenting interface, you will not be marked down if you have not yet fully achieved this goal in this milestone. Eventually your interface should be as self-documenting as possible, with appropriate labels for panes, axes, and widgets, a legend documenting the meaning of visual encodings, and a meaningful title and description for the project.

In-Person Feedback

During your lecture time on November 16, one day after this milestone is due, you will meet with your assigned TA as a group for up to 20 minutes per group. You will present your WIP project to the TA and discuss your plans for next steps. The TA will mostly provide formative feedback to you, and you will also be given a summative mark based on whether you sufficiently completed enough of your project, as described above in Requirement 1 (basic version of every view must exist). The marking will be in bins: meets all requirements (100%), meets some requirements (80%), meets few requirements (60%), far below expectations (40%).

You must be in class in person for this session. Each TA will call up groups for discussion, so your group may be asked to present earlier or later during the session.

Peer Review

Peer Review: You will be asked to assess the ratio of work done by each member of the team (including yourself). The common case is that everybody is doing roughly equal shares of the work. Sometimes some people are doing a little more or a little less. We particularly need to know if some people are doing much more work or much less work. Please provide additional comments in the free-form text field if you indicate any situation other than the work being equally split. Even if you have mutually agreed to a non-equal work breakdown as of an intermediate milestone (for example, a teammate is ill and plans to do more later), you should still report the actual work breakdown and explain the situation in the comments. We also welcome any

comments regarding your experience with the course, overall.

The peer review will take place through a Qualtrics form that you fill out personally. At each milestone, report on the cumulative ratio across the entire term, not just the work since the previous milestone.

The link to the M3 peer review form is: https://ubc.ca1.qualtrics.com/jfe/form/SV_9XI7DkHWU3jvIYC