

## EECS 498 W26 System Design of a Search Engine Project plan

Due Sunday, February 1, 2026

You are to submit a plan for your project as a PDF on Canvas. Please submit only one copy for your team. Here are some general expectations. Teams that brainstorm and think more carefully invariably do better. Shorter is better, ten pages or less, if possible.

1. Your plan must ensure you are ready to give a presentation and a demo by Tuesday, April 12, 2026. Your final report and complete project archive must be submitted by Sunday, April 21, 2026.
2. Your title page must include your group photo.
3. Identify your group. List your names, one per line, with major, class (e.g., junior), and any previous relevant courses (e.g., 482, 445).
4. Outline how you expect to work together as a group, when / how you expect to meet, make decisions, assign responsibility, share source, create headers and stubs for pieces still under construction, etc.
5. Outline your basic technical strategy. Describe how will you construct your seed list, manage your frontier, prioritize which links to crawl next, and evaluate the quality of a page independent of any query and as a match to a query.
6. Describe your objectives for query response time, index size, and functionality.
7. Identify what information you will collect and estimate the amount of storage you'll need.
8. Break your engine down into major pieces, list what each will do, identifying the inputs and outputs and which pieces will need to be restarted after a crash without losing work.
9. Create a table with estimates of the number of lines of code you think you may need for each piece and who will be assigned.
10. Create a Gantt chart of the activities, identifying any milestones.
11. Plan to meet with me during lab or OH to discuss your plan.