

Assignment T2: Revised Project Proposal


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This is a team assignment. See submission instructions at the end.

Your team will be tentatively assigned a Mentor based on your preliminary proposal. You should meet with your Mentor *before* submitting your revised proposal. "Meeting" can be virtual, e.g., using our class server on Discord, it does not need to be in-person. Join the class Discord at <https://discord.gg/3YxnRJZQFx>  (<https://discord.gg/3YxnRJZQFx>) (this link may expire even though the instructor set it to "never expire", please inform the instructor if its necessary to generate a new invite link).

Part 1:

State the date on which you met with your Mentor. This should be in the past, not the future.

Part 2a:

Reconsider your answers to the part 2 questions in the preliminary proposal. Elaborate in more detail the main features your server will provide.

Part 2b. Describe at least three different kinds of clients, including what you envision those clients would 'do' for their own clients or end-users.

Part 3:

Reconsider your answers to the part 3 questions in the preliminary proposal. Then elaborate in more detail how you will test the main features of your server from the external client perspective.

Part 4:

List the libraries, frameworks, tools, etc. you think you will use. Make sure to include (at least) a build tool, a style checker, a static analysis bug finder, a test runner, a mocking framework, and a coverage tracker suitable for your language and platform. You may also choose a continuous integration tool, but github's built-in workflow actions are recommended. You will not be held to this list.

Submission instructions: One member of your team should submit a single file (preferably pdf) presenting your revised proposal. Your file must contain your team name and the names/unis of all team members. You may submit repeatedly until the deadline. Note that if multiple team members submit, the most recent submission will override all previous submissions by the same or different team members.

Points 20

Submitting a file upload

File Types pdf, doc, docx, and txt

| Due | For | Available from | Until |
|-------------|----------|---------------------|-------------------------|
| Oct 3, 2022 | Everyone | Sep 1, 2022 at 12am | Oct 17, 2022 at 11:59pm |

Revised Project Proposal

You've already rated students with this rubric. Any major changes could affect their assessment results.

| Criteria | Ratings | Pts |
|--|--|-------|
| <p>part 1: IA mentor meeting - 5 points max</p> <p>Don't grade revised proposal at all until after meeting occurs.</p> <p>up to 5 points - Does the revision take your advice (if any) into consideration? Give full credit if you did not make any suggestions.</p> | <p>This area will be used by the assessor to leave comments related to this criterion.</p> | 5 pts |
| <p>part 2a: Elaborated Service Overview - 3 points max</p> <p>1 point - Is there meaningful data that persists across executions?</p> <p>1 point - Does the service support multiple clients, distinguish clients from each other, and protect client data from other clients?</p> <p>1 point - Is the service realistically useful for multiple different apps, not just the backend of a single app?</p> | <p>This area will be used by the assessor to leave comments related to this criterion.</p> | 3 pts |
| <p>part 3: Elaborated Testing - 3 points max</p> <p>1 point - Testing for whether the meaningful data indeed persists across executions?</p> <p>1 point - Testing with API calls constructed to look like they come from different clients (e.g. different client IDs authenticated with password or key)?</p> <p>1 point - Does the test plan demonstrate understanding of API testing, without relying on an interactive user interface? (An interactive administrator console is ok as long as the main functionality is tested via the API.)</p> | <p>This area will be used by the assessor to leave comments related to this criterion.</p> | 3 pts |
| <p>part 4: Tools, etc. - 3 points max</p> <p>1/2 point each - Does the list include (at least) a build tool, a style checker, a static analysis bug finder, a test runner, a mocking framework, and a coverage tracker?</p> | <p>This area will be used by the assessor to leave comments related to this criterion.</p> | 3 pts |
| <p>part 2b: Describe Three Clients - 6 points max</p> <p>For each of the three clients, 1 point for does it sound functionally distinct from the others and 1 point does it sound like it would benefit from the availability of the proposed service.</p> | <p>This area will be used by the assessor to leave comments related to this criterion.</p> | 6 pts |
| Total Points: 20 | | |