

Revised Project Proposal

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The teaching staff will review the preliminary project proposals, and then a specific IA mentor will be assigned to your team. You should meet with your IA mentor to discuss your proposal *before* submitting the revision, and in any case your revised proposal will not be graded until *after* you have met with your IA mentor (CVN teams should arrange for an online meeting with the designated CVN IA).

In your submission, "part 0", please tell us which language and platform you plan to use.

The revised proposal repeats parts one and two from the preliminary proposal, which could be copy/paste verbatim if you have no changes to make. But in most cases there should be changes, that take into consideration feedback provided by your IA mentor and any other members of the teaching staff. The part three adds initial test planning.

First, write a few paragraphs that summarize the software engineering project that your team would like to do. Your project must be demoable, but does not need a GUI if there's a command line console or some other way to demonstrate. Your project must store and retrieve some structured application data persistently (e.g., using a database or key-value store), such that when your application terminates and starts up again some arbitrary time later, the data is still there and used for later processing. Your project must leverage some publicly available library, framework and/or API beyond those that "come with" the platform; it is acceptable to use an API for external data retrieval and/or service execution rather than integrating external code more extensively.

Second, write a small number of user stories for your proposed application, constituting a Minimal Viable Product, in the format "<label>: As a <type of user>, I want <some goal> so that <some reason>. My conditions of satisfaction are <list of common cases and special cases that must work>." You may optionally include a wishlist of additional user stories to add if time permits. Keep in mind that the type of user, the goal, the reason (if applicable within the system), all the common cases and all the special cases must be demoable and testable.

Third, explain how you will conduct acceptance testing on your project. This means that every MVP user story must be associated with a plan for user-level testing, that addresses all its common cases and all its special cases. Discuss sample inputs the user would enter and the results expected for the corresponding test to pass vs. fail. Note inputs might come from files, network, devices, etc.,

not necessarily from a GUI or command line, and results might involve changes in application state, files, outgoing network traffics, control of devices, etc., not necessarily outputs via a GUI or command line. You may optionally discuss testing plans for your wishlist additional user stories, if any.

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, and may optionally include links to external resources. 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 10
Submitting a file upload
File Types pdf, doc, docx, and txt

Due	For	Available from	Until
Oct 9, 2018	Everyone	Aug 15, 2018 at 12am	Oct 10, 2018 at 11:59pm

+ [Rubric](#)