Assignment T2: Revised Project Proposal

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This is a team assignment. This assignment will be graded as 0 to max points.   Scroll down for submission instructions at the end.

Part 0:

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.

Submit the date of your meeting with your IA mentor (note this date must be in the past, not the future).

Part 1:

Take into consideration feedback from your IA mentor or other members of the teaching staff. Revise accordingly answers all five of the numbered questions. If you disagree with the feedback, explain why. 1. What will your project do? 2. Who or what will be its users? Your project must impose registration, authenticated login and timeout/explicit logout, so your answer should say something about this. 3. Your project must be demoable, but does not need a GUI if there's a command line console or some other way to demonstrate.   (All demos must be entirely online, there will be no in-person demos.) What do you think you'll be able to show in your demo? 4. Your project must store and retrieve some application data persistently (e.g., using a database or key-value store, not just a file), such that when your application terminates and starts up again some arbitrary time later, the data is still there and used for later processing. What kind of data do you plan to store? 5. Your project must leverage some publicly available API beyond those that "come with" the platform; it is acceptable to use an API for external data retrieval instead of to call a library or service.. The API does not need to be a REST API. There are many public APIs linked at **https://github.com/public-apis/public-apis** ⤷ **(https://github.com/public-apis/public-apis)** and **https://github.com/n0shake/Public-APIs** ⤷ **(https://github.com/n0shake/Public-APIs)** . What API do you plan to use and what will you use it for?

Part 2:

Take into consideration feedback from your IA mentor or other members of the teaching staff and revise accordingly. If you disagree with the feedback, explain why. Write three to five user stories for your proposed application, constituting a Minimal Viable Product (MVP); generic functionality like

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registration, login/logout and help, should not be included ar̲[cut off] choose which version of Java in Eclipse
application should do at least three application-specific thing[cut off]

< label >: As a < type of user >, I want < some goal > so tha[cut off]

My conditions of satisfaction are < list of common cases and[cut off]

The type of user (role) does not need to be human. You ma[cut off]
additional user stories to add if time permits. Keep in mind [cut off]
reason (if applicable within the system), all the common cas[cut off]
testable and demoable.

Part 3:

Take into consideration feedback from your IA mentor or oth[cut off]
Revise accordingly how you will conduct acceptance testing[cut off]
the feedback, explain why. Every MVP user story must be a[cut off]
testing. The test plan should address all its common cases a[cut off]
sample inputs the user or client would enter and the results [cut off]
pass vs. fail. Note inputs might come from files, network, de[cut off]
or command line, and results might involve changes in appli[cut off]
traffics, control of devices, etc., not necessarily outputs via a[cut off]
optionally discuss testing plans for your wishlist additional user stories, if any.

Part 4:

Take into consideration feedback from your IA mentor or other members of the teaching staff. If you
disagree with the feedback, explain why. Revise accordingly the list of specific facilities you plan to
use for compiler/runtime (or equivalent), an IDE or code editor, a build tool (or package manager if
'build' not applicable), a style checker, a unit testing tool, a coverage tracking tool, a bug finder
(that's not just a style checker), and a persistent data store appropriate for your chosen language(s)
and platform(s). If different members of the team plan to use different tools, please explain. It is ok
to change your choice of tools later after you start developing your application.

You can discuss this assignment in this course's team_project folder on **piazza,**
(https://courseworks2.columbia.edu/courses/104335/external_tools/1456) on relevant community
forums, on stackoverflow, etc. However, do not ask for someone else outside your team to define
your project, user stories, acceptance tests, etc. ; this is a violation of the university's academic
honesty policy.

Submission instructions: One member of your team should submit a single file (preferably pdf)
presenting your preliminary 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
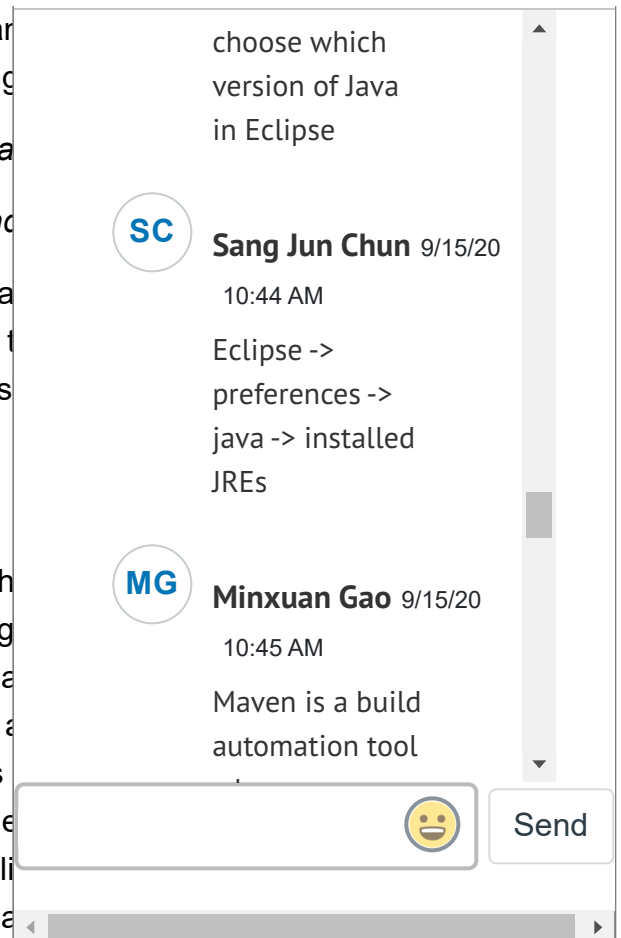
repeatedly until the deadline (note that if multiple team members submit, the most recent submission will override all previous submissions by the same or different team members).

Points 10

Submitting a file upload

File Types pdf, doc, docx, and txt

Due	For	Available from	Until
Nov 5, 2020	Everyone	Sep 1, 2020 at 12am	Nov 12, 2020 at 11:59pm

Revised Proposal

Criteria	Ratings		Pts
Same criteria as preliminary proposal but half total If the team did not meet with their IA mentor yet, zero (0) credit overall, regardless of what is written in this assignment. Regrade after the team meets with their IA mentor; it is not necessary for the entire team to attend if there is an acceptable explanation for absenses. Consider the same criteria as for the preliminary proposal, cutting the total in half so max 10 instead of max 20, *except* give zero credit for any parts where feedback from the teaching staff was not followed unless the disagreement is explained.	**10 to >0.0 pts** **Full Marks**	**0 pts** **No Marks**	10 pts

Total Points: 10