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Assignments

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Settings for "2013 Team Assignment 3: Requirements and Planning"

Created by	Gail E. Kaiser
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Due	Oct 3, 2013 5:00 pm
Accept Until	Oct 3, 2013 5:00 pm
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Student Submissions	Single Uploaded File only
Number of resubmissions allowed	Unlimited
Accept Resubmission Until	Oct 3, 2013 5:00 pm
Grade	Points (max 20.0)
Alert:	Yes
Honor pledge:	No

Assignment Instructions

Your team requirements and planning document should consist of a single file uploaded to courseworks plus the specified material entered into JIRA at http://ase.cs.columbia.edu/jira. Each team should have a corresponding group that supports both jira project tracking and source code control git repositories (at http://ase.cs.columbia.edu/stash). If you have trouble accessing your group, contact Riley. Only one member of your team should submit the courseworks file (but all team members can edit jira and stash). You may submit as often as you want up to the deadline.

The first page of your document should indicate your team name and list the full names and uni's of every team member.

The second page should give a short synopsis (overview) of your proposed project. This can be copied verbatim from your proposal if nothing has changed.

The third and remaining pages should present your requirements and initial development plan.

First transcribe all your user stories from the proposal into JIRA. Then modify these user stories and/or add new ones if appropriate. Next elaborate (still in JIRA) these user stories into use cases; some user stories might correspond to multiple use cases. These use cases should describe the system your team plans to develop *independent of* the implementation technology. You do not need to use UML to define the use cases. Associate labels (e.g., 1, 2, 2.1, 2.2) and priorities (e.g., high - must have, medium - nice to have, low - will include only if time permits) with each use case; it may be most practical to stick solely with highest priority (baseline) requirements. You should provide sufficient detail such that, in principle, some other team could implement the system using entirely different implementation technology.

Expand each use case into technical tasks (still in JIRA). Assign a pair and a time estimate (in hours) for each technical task based on the technology you expect to use. Include design, coding and basic testing (we will address more rigorous testing later on). Keep in mind that a pair should only expect to work ten hours per week (twenty hours total person-hours) including time for group meetings, integration and documentation but not including class time. Assume that the implementation (without full testing) must be completed by Thursday, October 31st. With that deadline in mind, devise a schedule that addresses all dependencies between tasks.

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Does everything fit? No? Go back and reduce the scope of your proposed project to fit this deadline.

Finally, transcribe your use cases, technical tasks and schedule into your requirements and planning document.

- Student view of the assignment "2013 Team Assignment 3: Requirements and Planning"