

CSC 405 Capstone

Requirement Engineering Deliverable

Document Submission

Minimum requirements (more is fine):

- GitHub repo setup and everyone has their local Git repo setup to push/pull to/from the GitHub repo. For now, you can just put a readme file in there and use that to test access and modification ability of all team members (i.e. everyone should be able to see, modify and push changes to the readme file similar to how I did in class)
- Trello board set up and every team member added to it.
- The following should be submitted on the course website in a separate PDF document:
 - A name for your team
 - A name for your project (can be a working title)
 - List of all team member names
 - A URL to your Trello board. Make sure I have permission to view it. My Trello username is "doc_kc".
 - A URL to your GitHub repo. Again make sure I have permission to view this. My github username is "kcherr1".
 - At least 3 main "Features" of the project. Features are main objectives of the software that can be broken down into several user stories. Think of a "feature" as a large objective that contains many tasks to become completed. You don't have to know what all of those "tasks" are just yet.
 - An outline of all work that can reasonably be accomplished by your team during the 5 sprints (i.e. in 405 and 406). Take into account team size, team knowledge of the subject area, team knowledge of the language(s) and tool(s), highest priority items vs. nice-to-haves, etc. We will have between 10 to 11 total weeks of implementation (this includes polishing and bug fixing) before the final presentation on May 8th.
 - An outline of all extra work that can be done only if/when the core components are finished.
 - Think "under promise, over deliver". Keep this in mind when outlining the work that can reasonably be done vs. the extra work that is only considered if there is time.
- The following should be present in your Trello board
 - A column for 'Product Backlog', 'Sprint Backlog' and 'Done'
 - Some columns in between 'Sprint Backlog' and 'Done' that will govern your workflow (these may be changed as the project progresses).
 - Enough user stories in your Product Backlog for roughly two sprints worth of work. More will be added as the project progresses.
 - User stories should be labelled by which "Feature" they pertain to (use the color coded labels in Trello or another feature of Trello to denote this). A certain amount of backlog refinement is expected such that high priority items are above lower priority items.
 - High priority stories should have some detail and work put into them so everyone understands them well. They should also have acceptance criteria defined for them. Remember that acceptance criteria can be refined more later on, but the goal is to have the acceptance criteria be very specific. If you want to have a blue bucket, what kind of blue. Giving an exact hex value (like 0x0000FF) is the level of detail needed to ensure you are doing the right thing. But, again, this level of detail can be added later.
 - The pointing of user stories can be delayed until sprint planning.

Presentation

This will mostly be informal and you do not have to rehearse. All I want is for your group to quickly go over your requirements engineering submission. This means going through the following:

- Quickly describe the overview of your project (before going into the detail below)
- Talk about the “features” of your software
- Talk about your user stories on your Trello board. Show the board.
- Explain how you prioritized your stories
- Outline what you expect to accomplish before the final presentation on May 8th and the extra work to do if there is time
- Talk about how you gathered the requirements.

The entire presentation should last no more than 8 minutes per team.

Rubric

Submission (meets the minimum requirements)	15 pts
Presentation (hits all points above)	5 pts

Total	20 pts