

Assignment-5

User Stories and Set-up Assignment (USSA)

Due: Monday, Feb 26 at 23:59 pm

Overview

- The goal of this assignment is to use an Agile method to start planning your system.

Deliverables

You will produce two deliverables for this assignment:

- A pdf file, titled **ProjectName-USSA**, consisting, of four sections: *User Stories*, *Corresponding Tasks*, *UML Sequence Diagram/Spike*, *The Stories due Next Week*, and *Meeting Report*.
- **ProjectNumber-USSA** document, as a tex file.

Hints

- Please submit **ONLY** one submission per group.
- Make sure that your project's name and all group members' names and their onids appear clearly atop of the document.

Assignment Details: Perform the following for this assignment

- Meet with the customer to develop 10--20 user stories
- As a team, break the user stories into tasks. Decide which tasks will be easier or harder to implement, and estimate effort.
- Meet with the customer to prioritize user stories into three groups: the stories that you will implement this week, the stories that you will implement next week, and the stories that you will probably not have time to implement at all.
 - **Note to the customer:** be reasonable. If the team says that you're asking too much, then you're probably asking too much!
- Plan how your team will tackle the tasks for homework 6 and 7
- Perform a spike for any user stories that seem especially risky

You must turn in a PDF document containing the following parts:

- **User Stories (20 points):** (approx 2 pages).
 - Describe your 10 - 20 user stories
- **Corresponding Tasks (20 points)** (approx 2 pages)

- For each user story, indicate when the story is due and list the corresponding tasks. For each task, indicate if you think that it logically should be completed before or after another task. In addition, how long you think that it would take a pair of programmers, working together, to complete the task.
- **UML Sequence Diagram/Spike (20 points) (approx 3 pages)**
 - For each user story due next week, either give a UML sequence diagram showing what your implementation will look like, or describe a spike that you did in order to learn about how to implement the user story
- **The Stories due Next Week (20 points) (approx 1 pages)**
 - Outline your plan for implementing the stories due next week -- who is doing what, when?
- **Meeting Report (10 points) (approx 1 page)**
 - Briefly summarize
 - Your progress you have made this week.
 - Your plans and goals for the next week.
 - The contribution of each of your team members.
 - Whether your customer was willing and able to meet with you.
 - Also, indicate if you think that the customer was reasonable about the tasks. If your customer cannot meet with you, then assign one of your teammates to play the role of the customer.

Grading:

Your work will be graded based on whether the content of your PDF appears to be unambiguous, clear, and complete. The page estimates above total 9 pages, but you may turn in up to 15 pages at your discretion.

Submission instructions:

- **Canvas** – one member of the team should actually submit these files.
 - **ProjectName-USSA.pdf** that contains four sections: *User Stories, Corresponding Tasks, UML Sequence Diagram/Spike, The Stories due Next Week, and Meeting Report.* (90 points)
- **The class github repository** (10 points)
 - **ProjectName-USSA**, as a tex file.
 - Any support files necessary to compile your tex.

- A single makefile to build your tex file. This makefile should include both an all option (which compiles your **ProjectName-DUI**) and a clean option. Feel free to use of the makefiles and examples in the Canvas, but you will have to modify them for this purpose.
- Create a new branch of your repository called “**ProjectName-Assignment-3**” contains your final submission. This branch must be created before the due date to receive credit.
- Please submit **ONLY** one submission per group.
- Make sure that your project's name and all group members' names and their onids appear clearly atop of the document.

Add a comment in Canvas and give the URL for your fork (under **projectName-Assignment-3**).

(-10 points for not providing your URL)