

ITWS_6903 Software Development Fall 2015

Homework 3

Due on the Class, Oct. 19th, Monday

Purpose

This homework is to enhance your study of software project management and to give you hands-on experience on the tools for software development management. You could work with a group up to three members but everyone needs to have the tools installed or setup. The class will give several demos, but you also have options to choose your preferred ones. Another purpose is for you to select tools to manage your final project.

Requirements

1. Install or setup online the following tools:

1.1 Version control

1.2 Requirement/task management. The tool(s) should provide the following features:

- 1.2.1 Create tasks
- 1.2.2 Create tasks' dependency
- 1.2.3 Show milestones
- 1.2.4 Create a Gantt chart for tasks/milestones management
- 1.2.5 Create burn down charts
- 1.2.6 Assign tasks
- 1.2.7 Control task flow (such as trace/update the status of the tasks, create different roles for management, development, or testing)

You are encouraged to explore more on other features that the tools might have, such as task priority, email, upload file, communication, etc.

1.3 Bug tracking

- 1.3.1 Log bugs
- 1.3.2 Track bugs
- 1.3.3 Explore other features

2. Apply the tools

You are required to use the tools to simulate the software development management process by simulating the functionalities listed above. At this time, you can define any kind of tasks or bugs for simulation purpose.

3. Demonstration

You will be scheduled to give the demo to the instructor and TA, or the whole class (to be decided).

4. Submission

You are required to submit a report to document your work, the tools' features, and the examples with screenshots. By reading your report, the others should have enough information to evaluate the tools. Present write your report in a well-organized structure.

Notes

- You are encouraged to explore tools since there are so many available.
- You may also want to continue using your Wiki site to manage the tools.
- You do not have to install or setup each different programs to implement 1.1 - 1.3. If you identify tools that can satisfy the multiple requirements, you can use them.