Software Methods and Tools

Fall 2015

Assignment 1

Due on 11:59PM, Monday, September 7, 2015

Description:

1. (30 points) Questions about the paper "No Silver Bullet: Essence and Accidents of Software Engineering".

(1) What are four essential difficulties of software systems discussed in Fred Brooks's paper? Explain each using your own words.

(2) Pick one software method or tool that you used before and **specifically** explain whether or not you think this method or tool is a "promising attack" on the essential difficulties mentioned above.

2. (50 points) Make a class schedule for this course using Microsoft Project 2013. Your schedule chart must include the following elements:

- A Project Summary Task named "Software Methods and Tools"
- Summaries and Tasks (e.g. Planning, Design, Implementation, Testing)
- Recurring Tasks (e.g. Lectures/Labs)
- Milestones (e.g. Assignments, Exams)
- Relationships between the above elements (e.g. the Planning task generates Assignment 1)

Feel free to include any other tasks or relationships that you think are necessary.

For each task/milestone, you must specify the following information:

- Task Name

- WBS Code

- Start Date

- Finish Date

- Predecessors (if applicable)

- Resources (yourself, the instructor, etc.)

You can use the schedule table on our course website as a reference for the information listed above. The *Course Content* table in the slides of our first lecture is also a good reference.

Capture your schedule using PrintScreen or the *Export as GIF* function we used in the Lab. Please make sure that your image is readable and captures all the elements you created.

Use your imagination, get your schedule well organized, and make it look professional!

Your final submission should be a PDF document including your answer to Question 1 and the screenshot of the schedule chart you made. Please submit it through the UMKC blackboard system by the deadline.