

## Homework2

## SE 4367: Software Testing, Verification, Validation and QA

**\*PLEASE PRINT ALL PARTICIPANT NAMES ON TOP OF THE PAGE\***

Class, Section and Group# \_\_\_\_\_

Total Points (Out of 100 points) \_\_\_\_\_

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### Instruction:

1. Answer to the problem on a **PDF file (PDF file only)** and save it as HW#\_YOUR-TEAM#.PDF
  2. Submit the **PDF** file to eLearning before the due date
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Last week you downloaded the small web application. Your job this week is to modify the given server to have a different interface. You can change it to run in one of two ways:

1. As a stand-alone command line interface on your computer
2. As a simple GUI on your computer (not a web application)

As you make the changes, **keep a simple documentation log** of what you do. Note which components and methods you change and which ones you no longer use. Summarize the changes in a few words. You do not need to go to the level of which variables you create or delete or how you change the control flow. I just want the highlights. This should be about one page.

Next, write a short assessment of the maintainability of the software. What did the original programmers do that made it **hard to change** the software? What did the original programmers do that made it **easy to change** the software? What would you do differently if you did it again?

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### Submission

Submit four items in a PDF file:

1. A very simple cover page with all partner names and contributions, what kind of interface you created (CL, GUI, or mobile), and link to where you placed your source files.
  2. A screen shot showing your working software
  3. The simple documentation log
  4. Your maintainability assessment
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### Grading

We will grade on several factors.

- (20 pts) Whether each item is included
- (15 pts) Whether the modified software works
- (20 pts) Clarity and thoughtfulness of the documentation log
- (20 pts) Clarity and thoughtfulness of the maintainability assessment
- (15 pts) Quality and maintainability of the changes you made to the code (this is why we need access to source files)
- (10 pts) Other factors to be determined while grading such as team collaborations,...