Course Project Assignment #1 - Front End Requirements

Due <u>Friday, Oct. 5th</u>

In this assignment, you will analyze the requirements for the Front End (<u>only</u>), and in true XP fashion represent those requirements as a set of requirements tests. The basic idea is to analyze the requirements document (project description handout) for the Front End, partition it into separate testable pieces, and create a test case for each piece. We will study this more in class.

Create and organize a complete set of <u>requirements tests</u> for the Front End, to test for every required behaviour (of the Front End only). **Do <u>not</u> write any programs yet**. Each test should be a complete test session input stream in a separate file. Test files should be organized into directories or by naming convention.

- You should hand in:

    (1) a list of all your test cases and what they are intended to test
        (a table of test names and intentions, in English);

    (2) for each test case, the actual test input file and expected output file (as text files, printouts or tables);
and

    (3) a test plan document, outlining how your tests are organized (in a folder per feature, or whatever),
        how you intend that they will be run (as shell scripts, Windows batch files or whatever),
        how you intend to automatically check the output for correctness,
        and how results will be stored and organized for reporting and comparison with future runs.

- Hand-ins should be as a .pdf main document plus the test inputs in folder(s), submitted by onQ dropbox by 10 pm on the due date.

Marking Scheme for Assignment #1

Marking for assignment 1 will be out of 10, according to the following criteria. In each category, marks will be assigned between zero and the number of marks shown, to a resolution of 1/2 mark.

Test Cases and Completeness	5 marks

Descriptions: table of identified test cases, and which case each is intended to test

Completeness: test cases cover all functionality allowed by requirements,
    and include cases to test constraints

Requirements Problems:
  problems or missing information in the requirements or constraints
  reported and decisions documented

Test Plan	3 marks

Test Files
- all provided, with inputs and expected outputs

Test Input and Output Organization
- there is a good plan to keep test cases and results well organized
  in folders or by naming conventions, for easy running and checking

Test Run Plan
- there is a workable plan for running and checking all test cases

Overall Presentation & Quality	2 marks

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Total	10 marks