Final Project Detailed Instructions

Overview

Deadline: midnight of the day before the oral exam.

Submission procedure: GitHub.

1 zip file.

1 Software Requirement Specification

Format: PDF.

Structure:

1. Introduction

    1. Aim of the document

    2. Overview of the defined system

    3. Operational settings

    4. Related systems (at least 2), Pros and Cons.

2. User Stories (3 per member)

3. Functional Requirements (3 per member)

4. Use Cases: Overview Diagram (1)

2 Storyboards
Format: HTML

Quantity: 2 screens per member, covering all the functionalities described in SRS, developed using Draw.io or similar

3 Design
- Class diagram:

- o   1 VOPC per member.(analysis)
- o   1 design-level diagram per member (e.g. that includes patterns, or specific solutions that improve the engineering level of the system)
- Design patterns: 1 different pattern per member. Possibly try to apply the pattern within the context of the project.
- Activity diagram: 1 per member.
- Sequence diagram: 1 per member.
- State diagram: 1 per member.

4   Testing

- Develop at least 3 test cases per person. In each test (class) file, please report (via Java comments) the name of the person in charge.
- 1 Selenium test via GUI per member.
- 1 Selenium test via API per member.

5   Code

- ~4K LOC
- Similar functionality implemented as Desktop (JavaFX) and as a Web App (HTML + CSS + JSP + DB or File System).
- Exceptions: at least 2 per member (do not just catch and back-propagate the exceptions, but properly handle them. Possibly define your own error logic by means of exceptions)
- Be able to show that Svn(or Git) + Travis + SonarCloud is correctly installed in one of your computer and it is able to analyze your project for rule violations. No rule must be violated.

6   Video

- A 1 to 2 minutes recorded video of the developed system performing the expected functionalities. *.mpeg