School of Computer Science

COMP20050: Software Engineering Project-II

Submission Details and Rubric
Final Project Submission

Module Coordinator	Ravi Reddy Manumachu
Email	ravi.manumachu@ucd.ie

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Submission Details

The final project submission details are below:

- Submit a zip file with the name, **<yourgroupnumber>_<yourgroupname>_final.zip**.
- A **report** in PDF format (1 page) including:
    - Group number, name, and Student IDs.
    - GitHub link.
    - State the relative amount of work done by each group member. If the workload distribution is not evenly divided among the members, please explain why. **If the workload distribution is even, state "All members contributed equally".**
- An **executable JAR file** of the board game.
- A **document** on instructions on how to launch and play the board game.
- A **video** (max 5 minutes) in .mp4 format of a screen recording with voice over. The video should contain the following:
    - Run the board game showing the working features.
    - Explain your test strategy.
    - Give a high-level code walkthrough.

Rubric

Assessment Criteria (Weight: 35 Marks)	
Criterion	**Penalty (Marks)**
Video Submission	
Video **not submitted.**	-20
In the Video, a demo of the game is **not presented**.	-10
In the Video, the test strategy is **not explained**.	-10
In the Video, high-level code walkthrough is **not presented**.	-10
Project Artefacts	
An executable JAR file **is not submitted.**	-20
Document containing the JDK version used to build the JAR and instructions on how to launch and play the board game **is not submitted.**	-10
Functional Requirements	
A feature (in the project plan) **not implemented**.	-3 (for each feature)
A feature (in the project plan) has defects and **is not working**.	-3 (for each feature)
Clean Code Practices/Guidelines	

For each category, the penalty applies if large-scale violation of clean code guidelines is found in your software implementation.	
Javadoc Documentation: • *Javadoc for at least three high-level classes or data structures missing.*	-5
Testing: • F.I.R.S.T principles **violated**. • *Unit tests and integration tests missing (JUnit or JavaFx GUI) for at least three high-level classes or data structures.* • One concept per test **is not followed**.	-10
Meaningful Names: • Variable, function, class, method names are confusing. • Names are not pronounceable and searchable.	-5
Functions: • Functions are **not small**. • There is a **lot of duplication** violating the D.R.Y principle (Don't Repeat Yourself). • Functions have **too many** arguments. • Functions have output arguments. • The variable scope rules are **not followed**.	-10
Comments and Formatting: • Comments are frivolous and dogmatic. • Comments are inaccurate and out-of-date. • Comments are superfluous.	-5

• TODO comments found. • Lots of commented-out code found. • Silly and noisy comments found. • Formatting is not followed (code is muddled). • Code indentation is not consistent.	
Classes and Data Structures: • Class methods **violate** the Law of Demeter. • Standard Java convention for organising classes (list of variables and methods) **not followed.** • Classes **are not small.** • Classes have **too many** instance variables and are **not cohesive**.	-5
Error Handling: • Errors are **not handled** (either using return codes or exceptions). • Methods/functions have **too many checks for NULL** (could be replaced by an exception). • **Overuse** of checked exceptions. • Assertions used in the place of error handling.	-5

Final Comments

Do not delete or make public your GitHub repository until the end of the trimester plus 3 months.