THE UNIVERSITY OF STRATHCLYDE

CS994: Object Oriented Programming

Individual Coursework Assignment

Overview

Assessment Plan

Individual Lab Test: 50%

- Week 11

- Type: Programming Tasks

- Date: Tuesday 3rd December, 10am

- Duration: 1 Hour 30 Minutes

- Location: LT1201 & LT1221

- Open Book but under exam conditions – No communication!

- Preparation: Mock Lab Test

- Support: Week 10 (W.c. 25th November)

Individual Coursework: 50%

- Set: Week 8, Monday 11th November

- Type: Programming Project

- Due Week 11, Friday 6th December

- Support: Q&A Sessions during on-campus sessions and a dedicated forum

General Information

- **Resit is by a 2-hour lab examination**

- **No Exemption Scheme is available!**

Plagiarism & Collusion

All code is submitted to an extremely effective plagiarism detector, which includes code gathered from the web and other submissions.

Penalties will be applied to anyone implicated in plagiarism and/or collusion.

Marking Scheme

Available Marks: 100

The following criteria will be used when marking your submission:

Requirements	5 Marks
System Design	15 Marks
System Implementation (Completeness and Correctness)	50 Marks
Testing/Test Cases	20 Marks
System Documentation/API	10 Marks

Assignment Brief

Your core task is to implement a **_"Library system"_** in Java, using advanced elements of the language (e.g. encapsulation, information hiding, inheritance, and polymorphism), and complex data elements and data structures. You are also expected to cover other aspects of the software development lifecycle process, namely requirements gathering and specification, system design, system documentation and testing. Your system must follow the Object-Oriented paradigm. Requirements gathering/brainstorming will take place during the kick-off week (i.e. w/c 11/11/2024), and a "Final requirements" document along with a "detailed marking scheme" and a "list of deliverables" will be released via MyPlace by **Thursday 14/11/2024**.

Immediate Plan

❖ **Today and Tuesday's lab (Last 30 minutes):** **requirements brainstorming**

❖ **By Thursday (14/11), I will collate requirements and upload on MyPlace:**

- Final Requirements document
- Detailed marking scheme and list of deliverables

- Week 11 (i.e. last teaching week): You will be given the option to work on coursework in the labs (individually!) and ask high-level questions

THE UNIVERSITY OF STRATHCLYDE

Some Further Advice

❖ Plenty of time to complete, but you have many other CS994 tasks in the upcoming weeks:

- Weekly learning of new topics
- Lab test (Including preparation)
- Planning your workload is important!

❖ Some of the assessed topics will be covered in the upcoming weeks

- Iterative approach

❖ Use dedicated forum to ask questions

- Do not post solutions!

THE UNIVERSITY OF STRATHCLYDE

Good Luck!

University of
Strathclyde
Glasgow

Royal Charter
since 1964

Useful Learning
since 1796