

Due:

Monday, 17-May-2021 by 23:59

Deliverables:

The following files should be submitted to MS Teams by the due date and time specified above. Submissions received after the deadline will be subject to the late policy described in the syllabus.

- Assignment03Tests_{StudentNumber}.java
- Assignment03UML_{StudentNumber}
 - Printed or neatly handwritten document (scanned)
 - Microsoft Word, Powerpoint or PDF document
 - Image generated from a CAD tool such as <https://www.diagrams.net/>
 - Other similar methods

Specifications:

Overview: You will show your understanding of the design and testing phases of the process to develop your program to maintain the information for a university. Do not forget your headers with Name and Date information in your test cases file.

Requirements: Write a set of test cases to test your university program that you completed in Assignment 02. Also draw the UML Class diagram and any UML Activity diagrams for the program in Assignment 02.

1. UML
 - a. Class diagram
 - i. Show all classes that should be developed according to the project description
 - ii. Show all relationships that exist between the classes including participation and cardinality information
 - iii. Show all attributes according to the examples shown
 - b. Activity diagrams
 - i. Create an Activity diagram for all methods that require one
 - ii. A separate diagram must be made for each method
2. Test cases
 - a. Create a set of test cases for the project in Assignment 02
 - b. Code coverage must be followed
 - c. All methods must be tested
 - d. Points will be deducted for any tests that fail when run on your Assignment 02 submission
 - i. If a test case fails due to mistakes in your assignment 2, you must note through a set of comments the reason for the failure and suggest a change that would fix the problem.
 - ii. NOTE: Do NOT resubmit your assignment 2

Design: Your program does not require a main method.

Code: The files you submit will be named Assignment03Tests_{StudentNumber}.java and Assignment03UML_{StudentNumber}.

Grading:

MS Teams Submission: If anything is ambiguous, it is your responsibility to ask questions. It is also your responsibility to complete this assignment in a timely manner. Questions regarding this assignment will likely not be answered if received after 17:00 on the due date of the assignment.

Quiz: There will be a quiz based on this assignment given on 20-May. The result of this quiz will be used to determine your grade on this assignment. **Note:** if you do not take the quiz, your score on this assignment will be 0.