Dublin Business School
Assessment Brief

Assessment Details

Module Title:	Advanced Programming
Module Code:	B8IT150
Module Leader:	Satya Prakash
Stage (if relevant):	
Assessment Title:	Software Development Lifecycle
Assessment Number (if relevant):	
Assessment Type:	Practical
Restrictions on Time/Length :	
Individual/Group:	Individual
Assessment Weighting:	50%
Issue Date:	07-Jul-2022
Hand In Date:	01-Sep-2022
Planned Feedback Date:	
Mode of Submission:	Moodle

Assessment Task

You have to do either of the two tasks.

Task 1: Create an Information System for a selected domain of interest.

You may use any back-end, and any front-end, including CLI, GUI, web and API.

Describe the requirements of the information system, including users, data requirements, search, sorting, entry, update, validation, integrity, reporting etc.
You must create a word/pdf file for the above description and submit it under CA_ONE IDEA SUBMISSION on Moodle by 21st July, 2022 before 11:59 PM. *20 Marks*

Implement and test the Information System, and document your implementation thoroughly.
Implementation: *40 Marks*
Testing: *20 Marks*
Documentation: *20 Marks*

You must use public git (e.g., GitHub) to manage your source and versioning, with regular frequent commits. Git may be used to verify engagement, and failure to engage with source control may result in a zero grade.

You must attribute all code not written from scratch, #taken from ... failure to do so may result in a zero grade.

You may use any programming language; however, in class the examples will be presented in Python, with some front-end JS.

Task 2: Create a game of your interest.

You may use any CLI, GUI, web and API.

Describe the requirements of the information system, including users, data requirements, search, sorting, entry, update, validation, integrity, reporting etc.
You must create a word/pdf file for the above description and submit it under CA_ONE IDEA SUBMISSION on Moodle by 21st July, 2022 before 11:59 PM. *20 Marks*

Implement and test the Information System, and document your implementation thoroughly.
Implementation: *40 Marks*
Testing: *20 Marks*
Documentation: *20 Marks*

You must use public git (e.g., GitHub) to manage your source and versioning, with regular frequent commits. Git may be used to verify engagement, and failure to engage with source control may result in a zero grade.

You must attribute all code not written from scratch, #taken from ... failure to do so may result in a zero grade.

You may use any programming language; however, in class the examples will be presented in Python i.e., Kivy and Turtle.