## University of Lincoln Assessment Framework Assessment Briefing Template 2024-2025

<ul> <li>Module code &amp; title</li> <li>CMP1903M – Object Oriented Programming</li> <li>Assessed learning</li> <li>[LO2]: Identify the values of object-oriented design and programming</li> </ul>	
<ul> <li>• [LO3]: Apply object-oriented principles to the implement of software programs</li> <li>• [LO4]: Use testing principles in the testing and debuggint object-oriented applications</li> </ul>	
3. Assessment title Assessment 2	
4. Contribution to final module mark (%)	
This is Assessment 2 and is an individual assignment.  After a successful first stage interview where you demonstrated use of code review and basic object-oriented principles, you have been asked demonstrate further object-oriented principles in a second interview:  Coding Task Guidelines: Expand the "Dungeon Explorer" with advanced OO principle features:  Key Features and Concepts:  1. Add new classes:  • Monster: Represents creatures in rooms.  • Item: Represents multiple types of items like weapons o potions.  • Inventory: A collection to manage items.  • GameMap: Manages multiple interconnected rooms.  2. Encapsulation and Abstraction  • Creature (abstract class): Player and Monster from this class.  > Item: Subclasses such as Weapon and Potion.  3. Interfaces  • Implement interfaces like IDamageable (applied to both and Monster) and ICollectible (applied to items).  4. LINQs and Lambda Expressions:  • Use LINQs to filter inventory items (e.g., all weapons) of the strongest monster in a room.  • Use lambda expressions for sorting or filtering.  5. Static and Dynamic Polymorphism:  • Implement polymorphis methods:	s and r inherit
<ul> <li>Different monsters (e.g., Goblin vs. Dragon) have di attack behaviors.</li> <li>Items (e.g., Potion vs. Weapon) have unique effects</li> </ul>	

	used.  6. Error Checking:  • Enhance error checking for invalid commands or interactions (e.g., trying to use a non-existent item).
	<ul> <li>7. Game Expansion:</li> <li>The player can now:</li> <li>➤ Navigate through multiple rooms.</li> <li>➤ Battle monsters with varying difficulty.</li> <li>➤ Manage an inventory with multiple items.</li> </ul>
	<ul> <li>Read the Coding Task Guidelines and perform the following:</li> <li>Develop a working solution which showcases your knowledge of the C# language, and object-oriented principles.</li> <li>Implement a testing strategy for the solution.</li> <li>Create a 5-minute video in which you demonstrate your solution and in particular, its object-oriented features. TA penalty will be applied if you exceed the suggested video duration.</li> <li>Fill in the self-reflective assessment of the task using the report template supplied.</li> </ul>
8. Assessment submission instructions	The submission deadline of this assignment is included in the School Submission dates on Blackboard.
	You should submit to Assignment 2 Upload (all in the same document):
	a) your code repository URL
	b) your YouTube video URL
	c) self-reflection of the development exercise
	d) the self-assessment checklist.
	Creating a VayTuha vidaa for submission:
	Creating a YouTube video for submission:
	e) Create your video. Use screen capture applications such as ScreenPal, OBS, etc.
	a. Use voice over the video to reflect on the dice games and OO programming. In particular:
	<ol> <li>Show how exception handling is used in your code.</li> </ol>
	ii. Explain how inheritance and polymorphism
	(if applicable) is used in your code. f) Upload to YouTube, setting the video as 'unlisted' – this
	ensures it doesn't appear in any search listings.
	If you are unsure about any aspect of this assessment component, please seek the advice of the module co-ordinator <b>Dr. Christos</b> Frantzidis <a href="mailto:cfrantzidis@lincoln.ac.uk">cfrantzidis@lincoln.ac.uk</a>
9. Date for	Please see the <b>Hand In Dates.xls</b> spreadsheet.
return of mark and feedback	Note: all marks awarded are provisional until confirmed by the Board of Examiners.
10. Feedback	Summative feedback will be provided on BlackBoard according to CRG

format	criteria (see CRG file). You will be given formative verbal feedback during the workshop sessions.
11. Use of Artificial Intelligence (AI) in this assessment	The use of AI tools to generate all or part of your assessment submission is <b>not</b> permitted unless specifically mentioned below.
12. Marking criteria for assessment	A Criterion Reference Grid (CRG) is used to evaluate your learning against a set of pre-defined criteria.
13. Additional information (support, advice, tips etc)	Students are encouraged to use any lecture and their own personal notes to assist them with the completion of the assessment. Also, students are allowed to use any library and/or online resource as a guide on how to solve the assessment problems.
	Students are encouraged to seek assistance from any member of the delivery team and particularly from the module coordinator as means to complete the assessment.
14. Important Information on Dishonesty, Plagiarism and AI Tools	University of Lincoln Regulations define plagiarism as 'the passing off of another person's thoughts, ideas, writings or images as one's own'.  Examples of plagiarism include the unacknowledged use of another person's material whether in original or summary form. Plagiarism also includes the copying of another student's work'. Plagiarism is a serious offence and is treated by the University as a form of academic dishonesty. For more information on examples of Academic Offences, please see the <b>Academic Offence Guidance</b> .
	Please note, if you use AI tools in the production of assessment work where it is not permitted, then it will be classed as an academic offence and treated by the University as a form of academic dishonesty.
	Students are directed to the University Regulations for details of the procedures and penalties involved.
	For further information, see www.plagiarism.org