

Final Coding Challenge

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Key assessment information

Weighting: 30%

Due date: Monday, November 3rd, 2025 at 5:00pm in Week 15




Assessment type: Code submission

Late submission penalty: Deduct 10% of total marks (i.e. 3 marks) per day late unless special consideration has been granted.

Requirements Specification: [COSC2531_FinalCodingChallenge_A3_Sem22025.pdf](#)

Skeleton code: Please start with this file [pymon_game.py](#)

Data files:

- [locations.csv](#) 
 - The columns represent *name*, *description*, a *destination in each direction* (west, north, east, and south).
- [creatures.csv](#) 
 - The columns represent *nickname*, *description*, *adoptable* or not (Pymon or simple animal), and *speed*.
- [items.csv](#) 
 - The columns represent *name*, *description*, *pickable*, *consumable*

Assessment policies

1. Referencing guidelines

You must acknowledge all the sources of information you have used in your assessments. See details in the assignment specification (Section 5).

2. Academic integrity and plagiarism

Academic integrity is about the honest presentation of your academic work. It means acknowledging the work of others whilst developing your own insights, knowledge, and ideas. If you do not acknowledge the sources of your material, you may be accused of plagiarism because you have passed off the work and ideas of another person without appropriate referencing, as if they were your own. RMIT University treats plagiarism as a very serious offense constituting misconduct. See details in the assignment specification (Section 6).

3. Assessment Declaration



When you submit work electronically, you agree to the assessment declaration [here](#) .

4. Penalties for Late Submission

All assignments will be marked as if submitted on time. Late submissions of assignments without special consideration or extension will be automatically penalised at a rate of 10% of the total marks available per day (or part of a day) late. For example, if an assignment is worth 30 marks and it is submitted 1 day late, a penalty of 10% or 3 marks will apply. This will be deducted from the assessed mark. Assignments will not be accepted if more than five days late, unless special consideration or an extension of time has been approved.

5. Special Consideration

If you are applying for extensions for your assessment within five working days after the original assessment date or due date has passed, or if you are seeking an extension for more than seven days, you will have to apply for Special Consideration, unless there are special instructions on your Equitable Learning Plan.

In most cases, you can apply for special consideration online [here](#) . For more information on special consideration, visit the university website on special consideration [here](#) .

Criteria	Ratings					Pts
Stage 1 completed Key features: Build map, show menu, import data from csv files, run the game, Pymon can move locations.	5 to >4.0 pts Excellent	4 to >2.0 pts Good implementation with 1 to 2 minor issues.	2 to >0.0 pts Poor implementation Missing components, poor coding, major mistakes.	0 pts Not delivered		5 pts
Stage 2 completed Key features: Swap a Pymon, pickup item, view inventory, challenge another Pymon.	8 to >7.0 pts Excellent	7 to >5.0 pts Good implementation with 1 to 2 minor issues.	5 to >4.0 pts Reasonable implementation	4 to >0.0 pts Poor implementation Missing components, poor coding, major mistakes.	0 pts Not delivered	8 pts
Stage 3 completed Key features: Use items, custom exceptions.	5 to >4.0 pts Full Marks	4 to >2.0 pts Good implementation with 1 to 2 minor issues.	2 to >0.0 pts Poor implementation Missing components, poor coding, major mistakes.	0 pts Not delivered		5 pts
Stage 4 completed Key features: save and load game progress, generate stats, admin features to customise map, exception.	5 pts Full Marks	5 to >2.0 pts Good implementation with 1 to 2 minor issues.	2 to >0.0 pts Poor implementation Missing components, poor coding, major mistakes.	0 pts Not delivered		5 pts
Other: Code quality and style; good comments and analysis/reflection;	2 pts Full Marks	2 to >1.0 pts Good implementation with 1 to 2 minor issues.	1 to >0.0 pts Poor implementation Missing header section Un-commented	0 pts Not delivered		2 pts

Criteria	Ratings				Pts
proper use of methods and arguments			methods Un-commented class declarations Missing reference		
<p>Program demo and presentation video</p> <p>Created using MS Stream</p> <p>Saved in a file with .webm format</p> <p>Showing: the program running in terminal, highlight of source code, student's face in an inset and your voice.</p> <p>No longer than 10 minutes in total duration.</p>	<p>5 to >4.0 pts Industry-grade</p> <p>Technical quality: The video is showing in excellent overall quality, within the excellent duration (9-10 mins), with clear audio, clear inset / cameo of presenter's face, or showing desktop screen share. Content quality: Demonstrated how your program runs from start to finish, and has excellent coverage of functionalities. Analysis and reflection part is clear and succinct. Code highlights of greatest achievements are clear and succinct. If Gen AI was used, described in clear contextual manner, including what prompt were use and where exactly it's been used in the program.</p>	<p>4 to >2.0 pts Reasonble</p> <p>Technical quality: The video is showing in reasonable overall quality, within the acceptable duration under or over by 2 minutes, but may have unclear audio / visual, or not showing presenter's face, or showing the desktop screen share but blurry. Content quality: Demonstrated how your program runs from start to finish, and has reasonable coverage of functionalities. Analysis and reflection part is reasonably clear. Code highlights of greatest achievements covered well. If Gen AI was used, described in reasonably contextual manner.</p>	<p>2 to >0.0 pts Poor</p> <p>Technical quality: The video is showing but duration too short, or missing audio, or not showing presenter's face, or not showing the desktop screen share, or visual/audio is unclear. Content quality: Demonstrated how your program runs from start to finish, but missing few key functionalities. OR Analysis and reflection part is not clear OR Missing code highlight of greatest achievement. OR If Gen AI was used, it was not described in contextual manner</p>	<p>0 pts Not done</p> <p>Video file was not included in the submission OR Video file submitted but cannot be opened</p>	5 pts
Total Points: 30					