

SWINBURNE UNIVERSITY OF TECHNOLOGY

COS20007 OBJECT ORIENTED PROGRAMMING

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## 9.1P - In Person Check-in 3 - Case Study

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## 9.1P: In Person Check-in 3 – Answer Sheet

1. What was the most challenging aspect of the case study tasks? Why?

- Implementing the Path and Direction classes to properly move the player to a new location was a bit confusing. The look command instructions also threw me off. I had an error where I typed "look" in the console but it always returned 'Error in look input' which wasn't the output I expected. I added another instruction where if the first word is 'look' and string length's only 1, return the players location's full description. Also, implementing the Move Command to recognize and execute valid movement commands would require careful attention to detail and thorough testing.

2. What is the most valuable thing you have learned in this unit so far?

- The most valuable thing is its ability to model real-world problems more accurately and make code more modular, reusable, and maintainable. By breaking down the problems into smaller, self-contained objects that interact with each other, we can create more organized and efficient code. The concept of encapsulation also helps tremendously, it helps to hide the internal details of an object and provide a clear interface for interacting with it. This leads to more robust and less error-prone code, as changes to one object do not affect the behavior of other objects. The NUnit testing is also very useful since we can test the codes before launching the actual program. Overall, this unit provides a powerful paradigm for building complex software systems that can be easily extended, modified, and tested.

3. What are some strategies for success you can start or continue using for the remainder of the semester and in future units?

- Some strategies I would like to imply in future units and the remaining of the semester are:
  - a. Stay organized, made a schedule / to-do list to keep track.
  - b. Stay engaged, watch the lectures, ask questions to tutor and friends.
  - c. Practice regularly, I would like to do this more as practice is the best to improve.
  - d. Reflect on my progress, take time to identify areas where I've improved and areas that needs improvements.

