

Reflective Report:

Throughout the completion of the coursework project, I encountered various challenges and opportunities for growth, which enabled me to develop my skills and understanding of the subject matter. This reflective report aims to provide an overview of my experience, highlighting key learnings, successes, and areas for improvement.

Major issues including testing, I tried to implement Maven and JUnit to help me test but encountered too many issues with it to make it a reliable source, had I more time to dedicate to my coursework I would like to delve into using tools like that, as I had previously used Pytest to help in Python Coursework.

One of the primary goals of the project was to gain practical experience in software development using Java programming language. As someone relatively new to Java, I initially faced challenges in understanding the syntax and structure of the language especially in comparison to Python. However, through consistent practice and experimentation, I gradually improved my proficiency and confidence in writing Java code. This experience reinforced the importance of hands-on learning and provided me with a foundation in Java development.

Another objective of the project was to enhance my problem-solving skills and ability to design and implement software solutions. I encountered problems throughout the development process, such as designing class relationships, implementing algorithms, and handling user input. These challenges required analysis and creative thinking to devise effective solutions. By breaking down problems into smaller, manageable tasks and leveraging the principles of object-oriented programming, I was able to overcome these obstacles and successfully implement the required functionality.

Engaging in discussions, seeking feedback, and reviewing code given by the Lecturer allowed me to gain valuable insights and perspectives. Additionally, working in a team environment fostered a sense of accountability and responsibility, motivating me to strive for excellence in my contributions to the project.

One of the key successes of the project was the successful completion of all required functionality within the specified timeframe. Despite facing initial challenges, I remained committed to achieving the project goals and maintained a proactive approach to problem-solving. This experience reinforced the importance of dedication in overcoming coding errors and achieving in software development projects.

For the future, there are several areas where I aim to further develop my skills. First, I plan to continue expanding my knowledge of Java programming language and exploring advanced topics. Additionally, I'd like to deepen my understanding of software design and complete more advanced tasks within Java.

In conclusion, the completion of the coursework project has been a valuable learning experience that has equipped me with practical skills, knowledge, and insights into software development. Overcoming challenges and trying to improve my Java coding, I have grown in my confidence with the IDE and the language itself. I look forward to applying the lessons learned from this project to future projects.