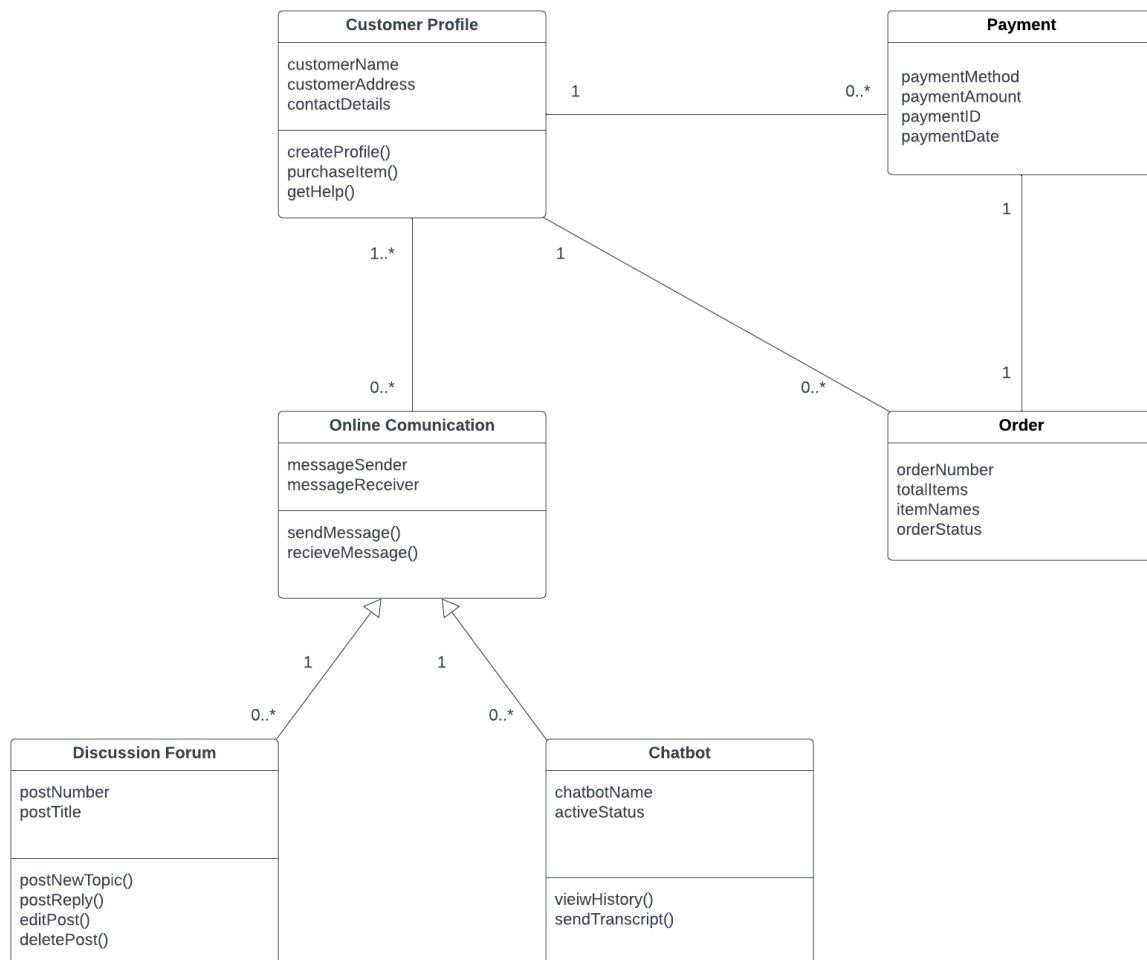
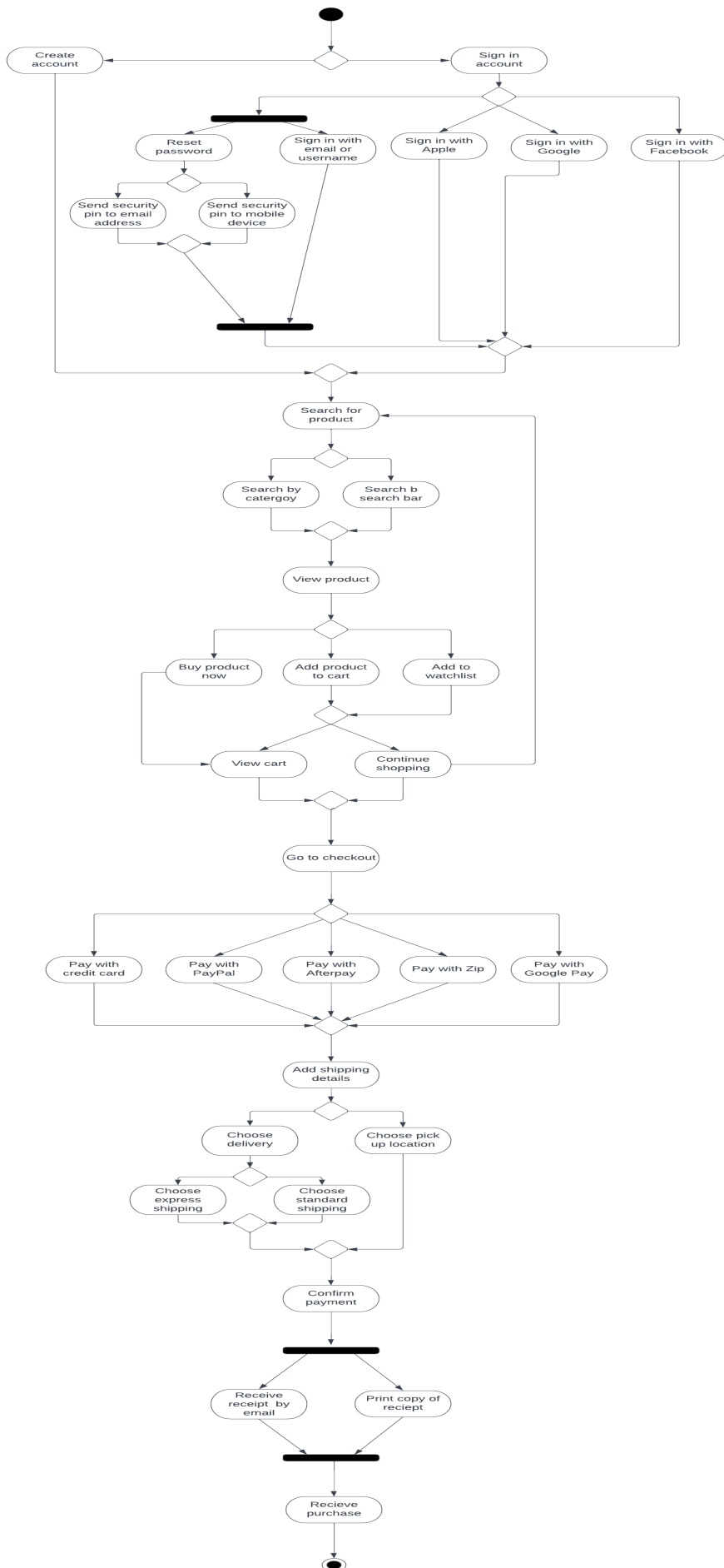


UML Class Diagram and Reflection



UML class diagrams use object orientated concepts to show the relationships and interactions of system components. This is done through a static view of a system that focuses on the system's functionalities and through an internal view that is technical from the perspective of the designer in demonstrating how it should be built. UML class diagrams are important because they give system designers an important visualisation of a system's structure by displaying the classes that make up the system, along with their properties, actions, and interrelationships. By providing an easy to see and broad overview of the classes in a system this helps designers to understand, write and modify code and system components.

Activity Diagram and Reflection



Activity diagrams are a type of UML diagram used to demonstrate how a system processes input data to achieve a goal or intended outcome. Activity diagrams are used to describe how a system behaves by illustrating the 'how' of system utilisation. It is crucial for designers to create activity diagrams so that clients, key stakeholders, professionals, software developers, and other designers can understand exactly how a system works from a user's point of view. Activity diagrams communicate the actions and activity that a user must carry out in order to finish or achieve the intended goal of the system process so that they can then be built into a system that works as intended in practice.\

Personal Learning and Collaborative Work

In completing this unit, I have improved my skill in understanding in UML concepts which has also improved my ability to create basic diagrams that assist in efficient system design. I believe that through the general knowledge of FMC and UML diagrams I am better equipped to entry level design tasks and comprehension. This has also improved my understanding of how systems work, their elements and how they are developed.

I undertook this assignment as a solo project as I didn't have a team member. This, however taught me the strengths that having a team provides. It is particularly helpful when you doubt your own decisions to have someone to critique your ideas. It is also beneficial to have someone that has a fresh or different perspective to share ideas with and to contribute solutions to problems. I think that these elements of team collaboration would be beneficial in contributing to effectiveness of design in a future career.