Deliverable #3 Template

SE 3A04: Software Design II – Large System Design

Tutorial Number: T01
Group Number: G08
Group Members:

- Patolia, Yash
- Wang, Jasmine
- Kwinecki, Justin Joseph
- Zhang, Christina
- Huzaifah, Muhammad
- Hum, Nathan Joshua

1 Introduction

This section should provide an brief overview of the entire document.

1.1 Purpose

This document provides more details on the Nutrify system architecture, including state chart diagrams, sequence diagrams, and a detailed class diagram. It's meant for internal Nutrify stakeholders, such as project managers, developers, domain experts, and team members/investors. Deliverables 1 and 2 provide an in-depth background and provide more insight in the decisions leading up to this document and should be reviewed prior.

1.2 System Description

A brief overview of the system description can be found in deliverable 2. This document acts as an extension of deliverable 2 and provides more context in forms of state charts, sequence diagrams and a detailed class diagram.

1.3 Overview

This document is organized by chart / diagram type. Section 2 contains relevant state charts for controller classes, section 3 contains relevant sequence diagrams and section 4 contains a detailed UML diagram of the system.

2 State Charts for Controller Classes

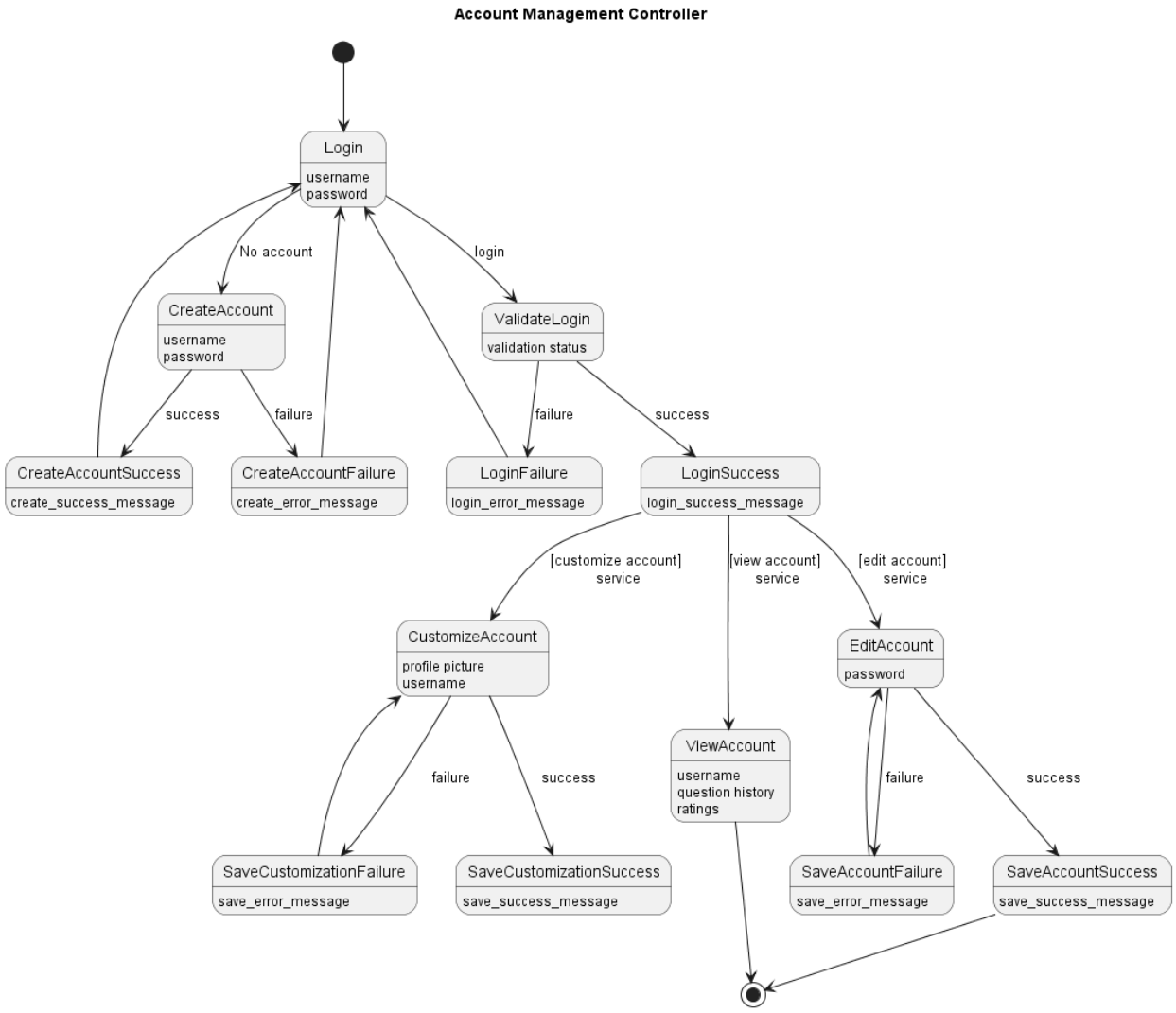


Figure 2.1: Account Management Controller State Diagram

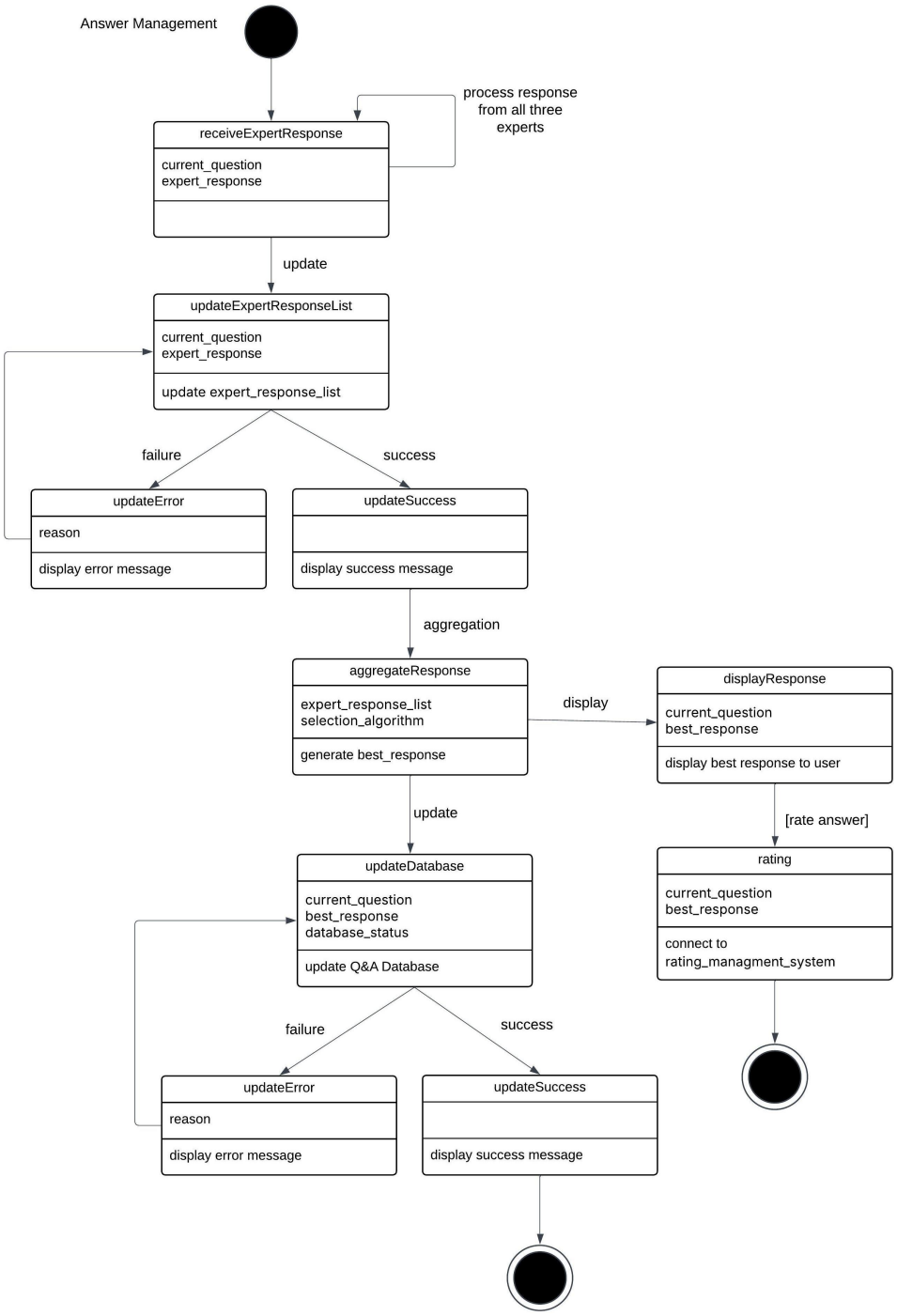


Figure 2.2: Answer Management Controller State Diagram

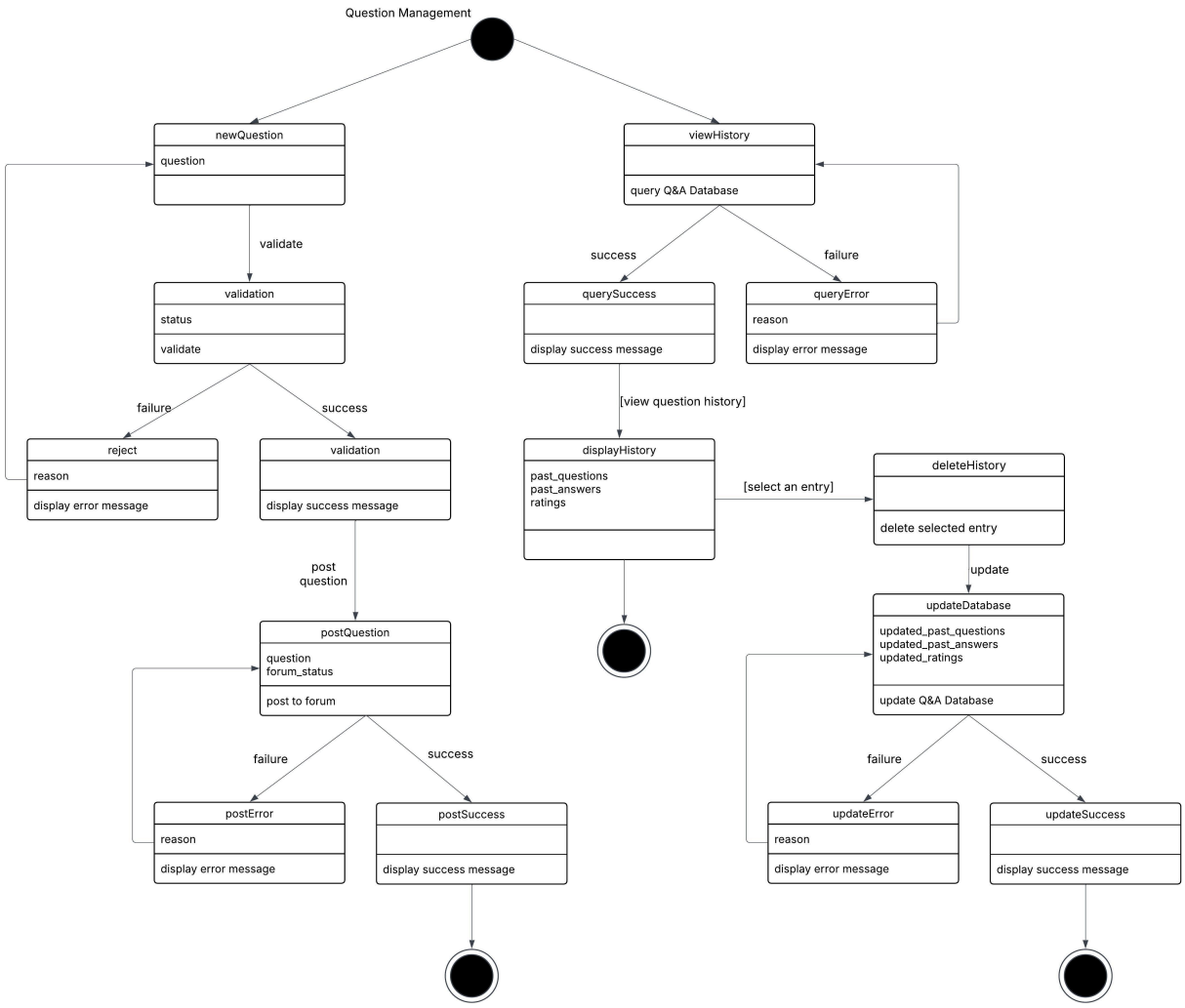


Figure 2.3: Question Management Controller State Diagram

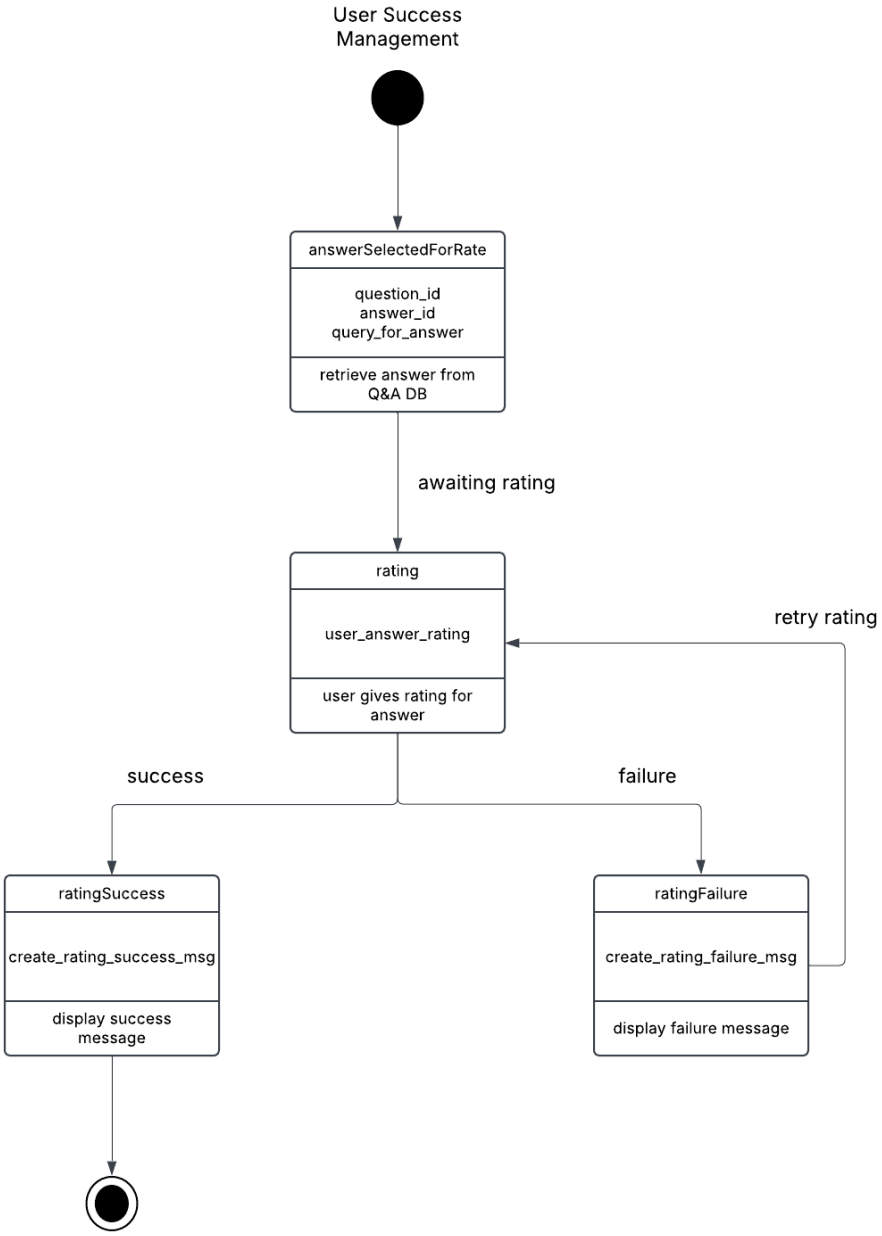


Figure 2.4: User Success Management Controller State Diagram

3 Sequence Diagrams

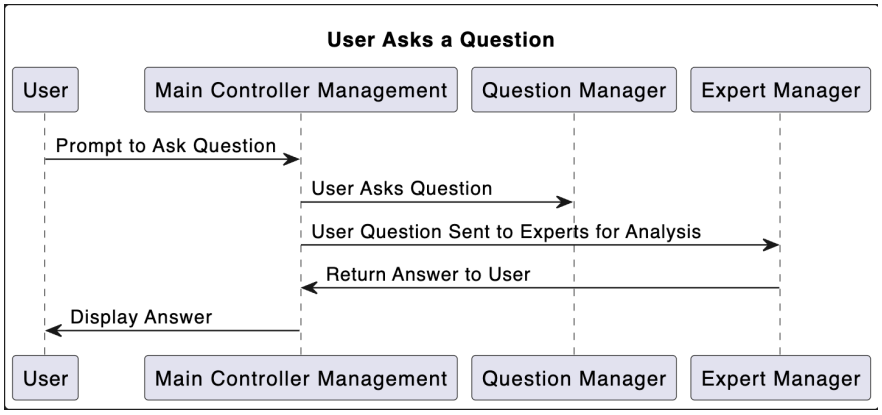


Figure 3.1: Ask Question Sequence Diagram

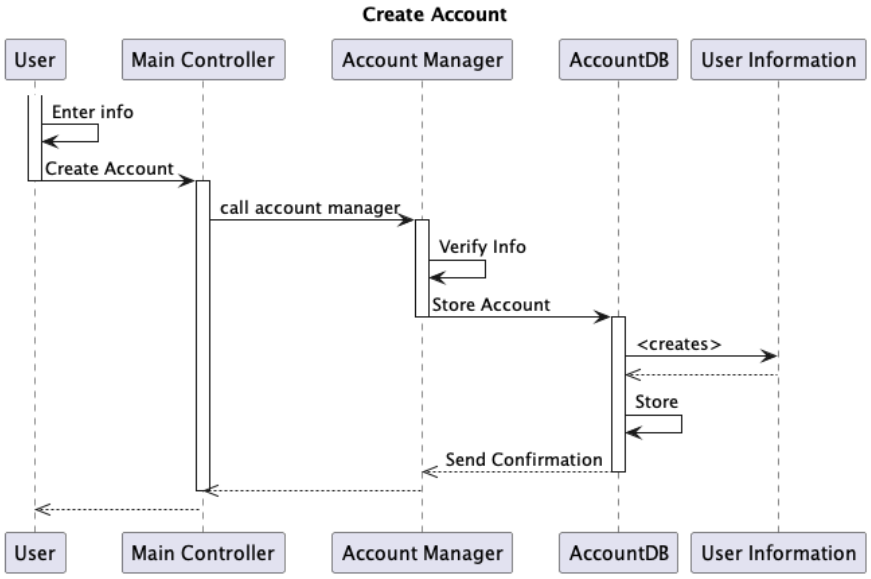


Figure 3.2: Create Account Sequence Diagram

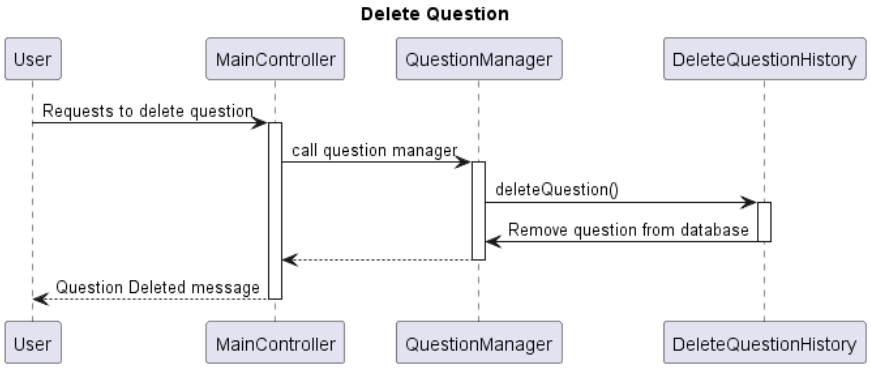


Figure 3.3: Delete Question Sequence Diagram

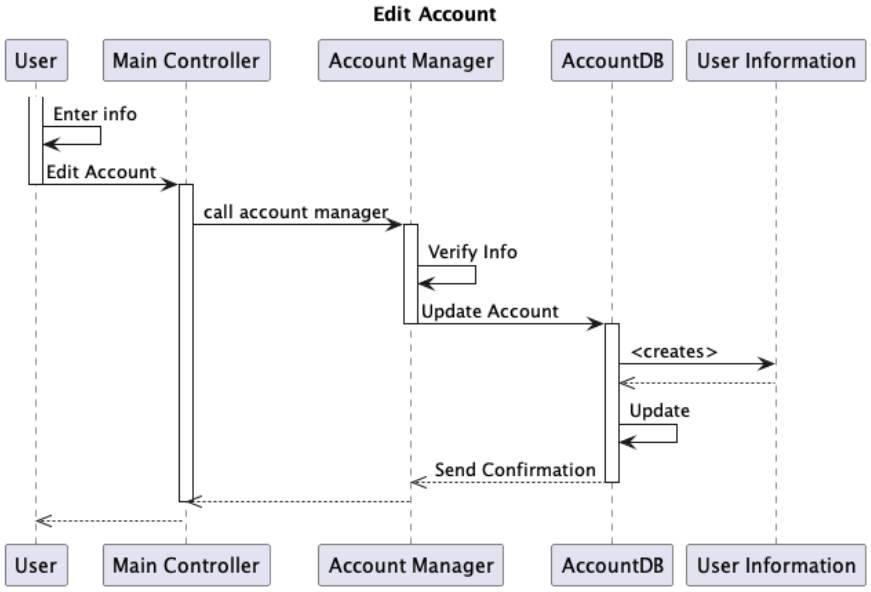


Figure 3.4: Edit Account Sequence Diagram

4 Detailed Class Diagram

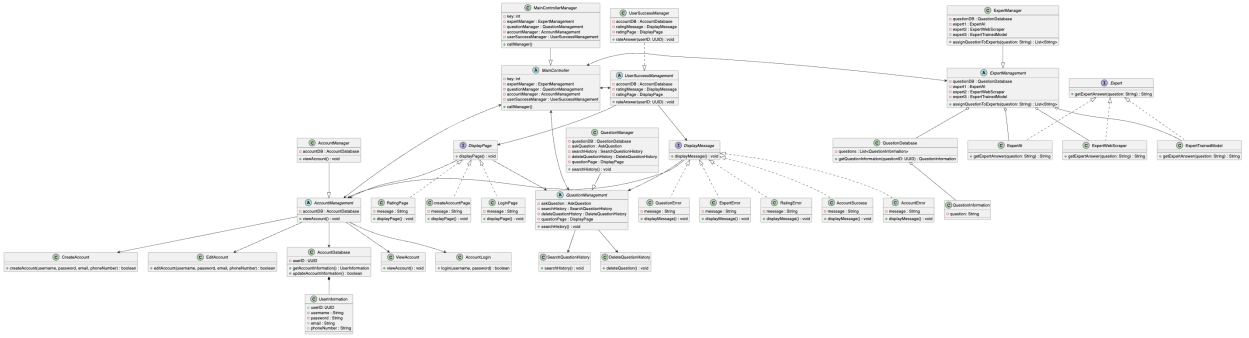


Figure 4.1: Overall Detailed Class Diagram

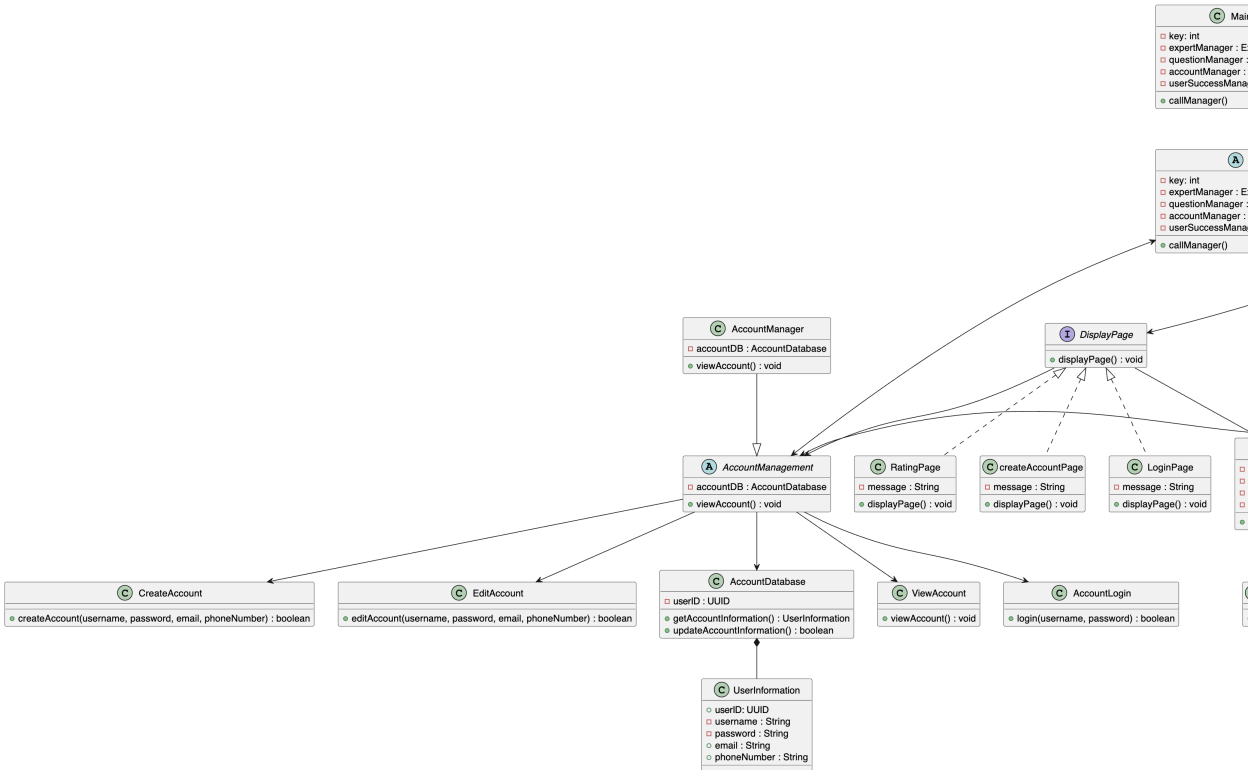


Figure 4.2: Detailed Class Diagram 1 (Left)

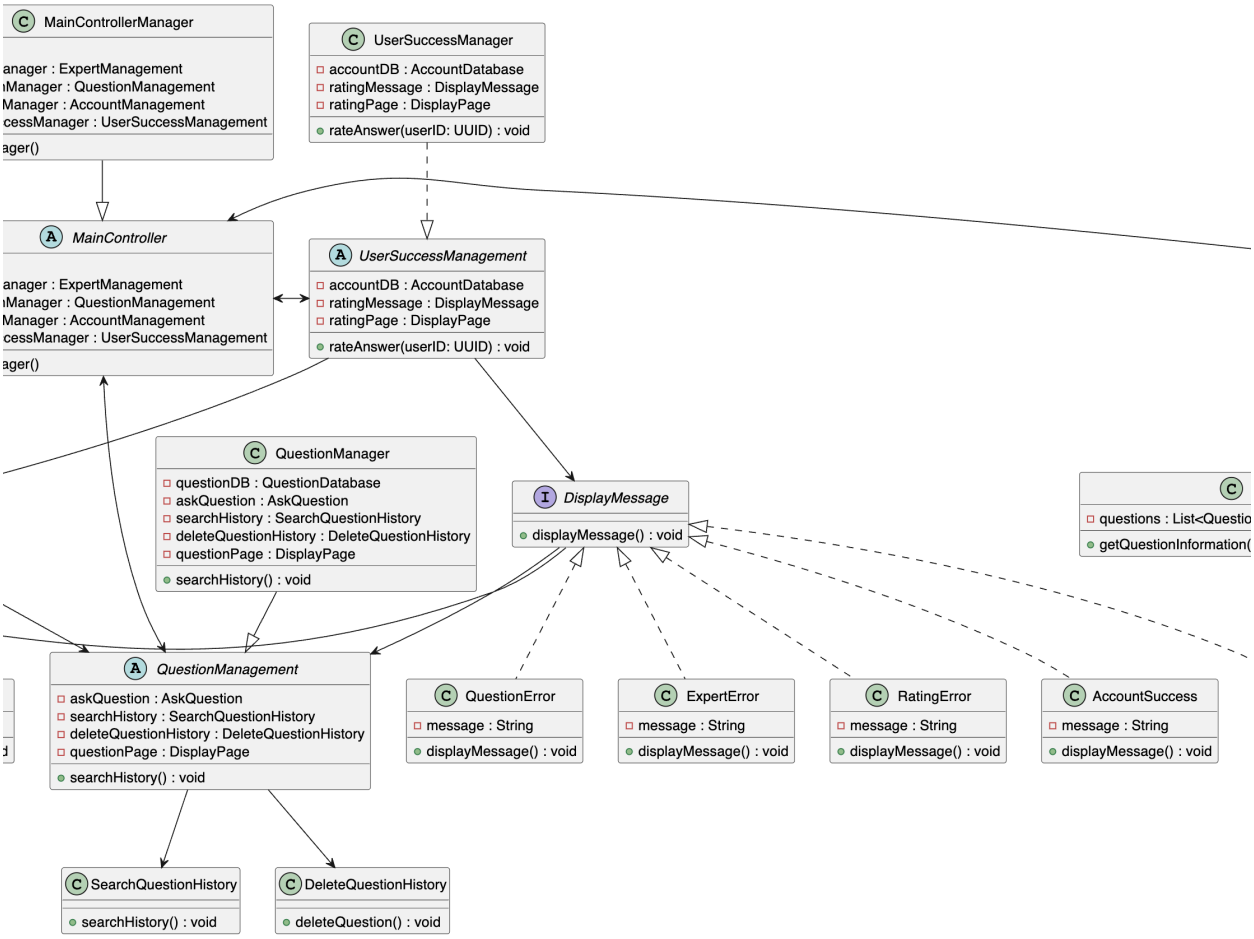


Figure 4.3: Detailed Class Diagram 2 (Middle)

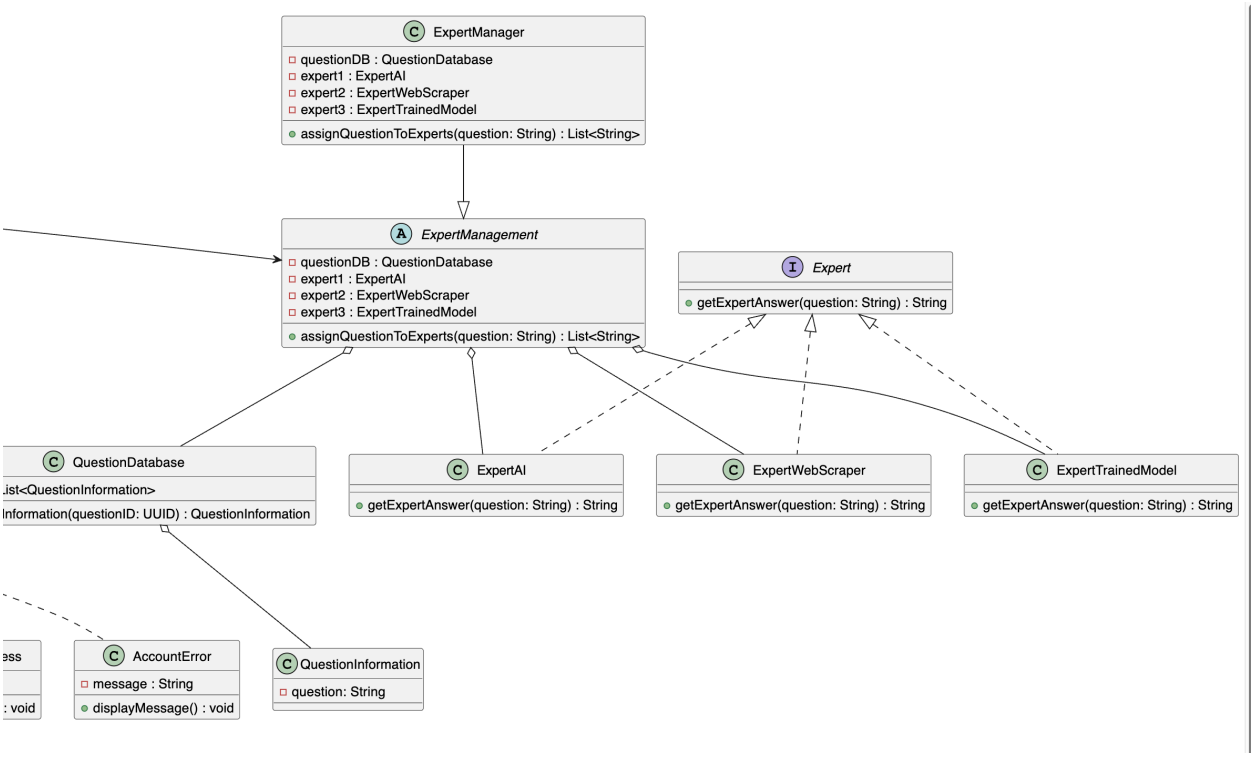


Figure 4.4: Detailed Class Diagram 3 (Right)

A Division of Labour

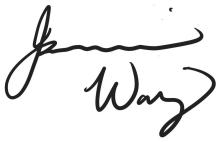
Include a Division of Labour sheet which indicates the contributions of each team member. This sheet must be signed by all team members.

Patolia, Yash

- Section 1.2
- Section 1.3
- Sequence Diagrams: Login, Rating Sequence
- Compiled the entire document in LaTeX

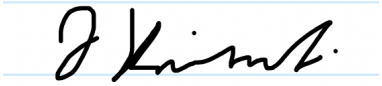
Wang, Jasmine

- State Charts: Question Management, Expert Management



Kwinecki, Justin Joseph

- Section 1.1
- Sequence Diagrams: Edit Account, Create Account



Zhang, Christina

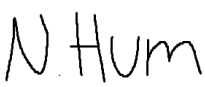
- State Charts: Account Management
- Sequence Diagrams: Delete Question

Huzaifah, Muhammad

- State Charts: User Success Management
- Sequence Diagrams: Ask a Question

Hum, Nathan Joshua

- Detailed Class Diragram



IMPORTANT NOTES

- You do NOT need to provide a text explanation of each diagram; the diagram should speak for itself
- Please document any non-standard notations that you may have used
  - *Rule of Thumb*: if you feel there is any doubt surrounding the meaning of your notations, document them
- Some diagrams may be difficult to fit into one page
  - It is OK if the text is small but please ensure that it is readable when printed
  - If you need to break a diagram onto multiple pages, please adopt a system of doing so and throughly explain how it can be reconnected from one page to the next; if you are unsure about this, please ask me
- Please submit the latest version of Deliverable 1 and Deliverable 2 with Deliverable 3
  - They do not have to be a freshly printed versions; the latest marked versions are OK
- If you do NOT have a Division of Labour sheet, your deliverable will NOT be marked