

Deliverable #3 Template

SE 3A04: Software Design II – Large System Design

1 Introduction

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

1.1 Purpose

- a) Delineate the purpose of the document
- b) Specify the intended audience for the document

1.2 System Description

- a) Give a brief description of the system. This could be a paragraph or two to give some context to this document.

1.3 Overview

- a) Describe what the rest of the document contains
- b) Explain how the document is organised

2 State Charts for Controller Classes

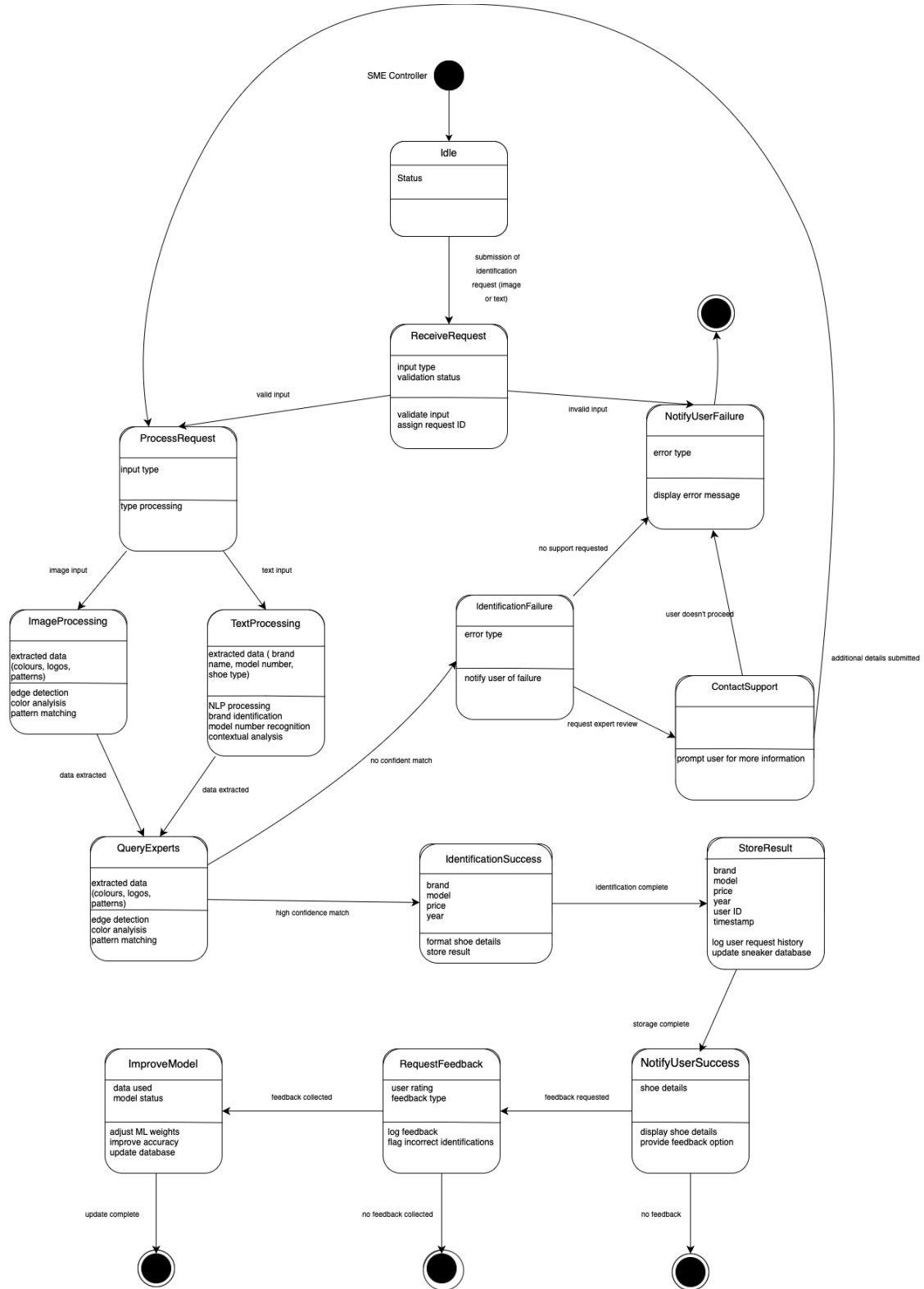


Figure 1: SME Controller state diagram illustrating the identification process flow from request submission to expert querying and user feedback.

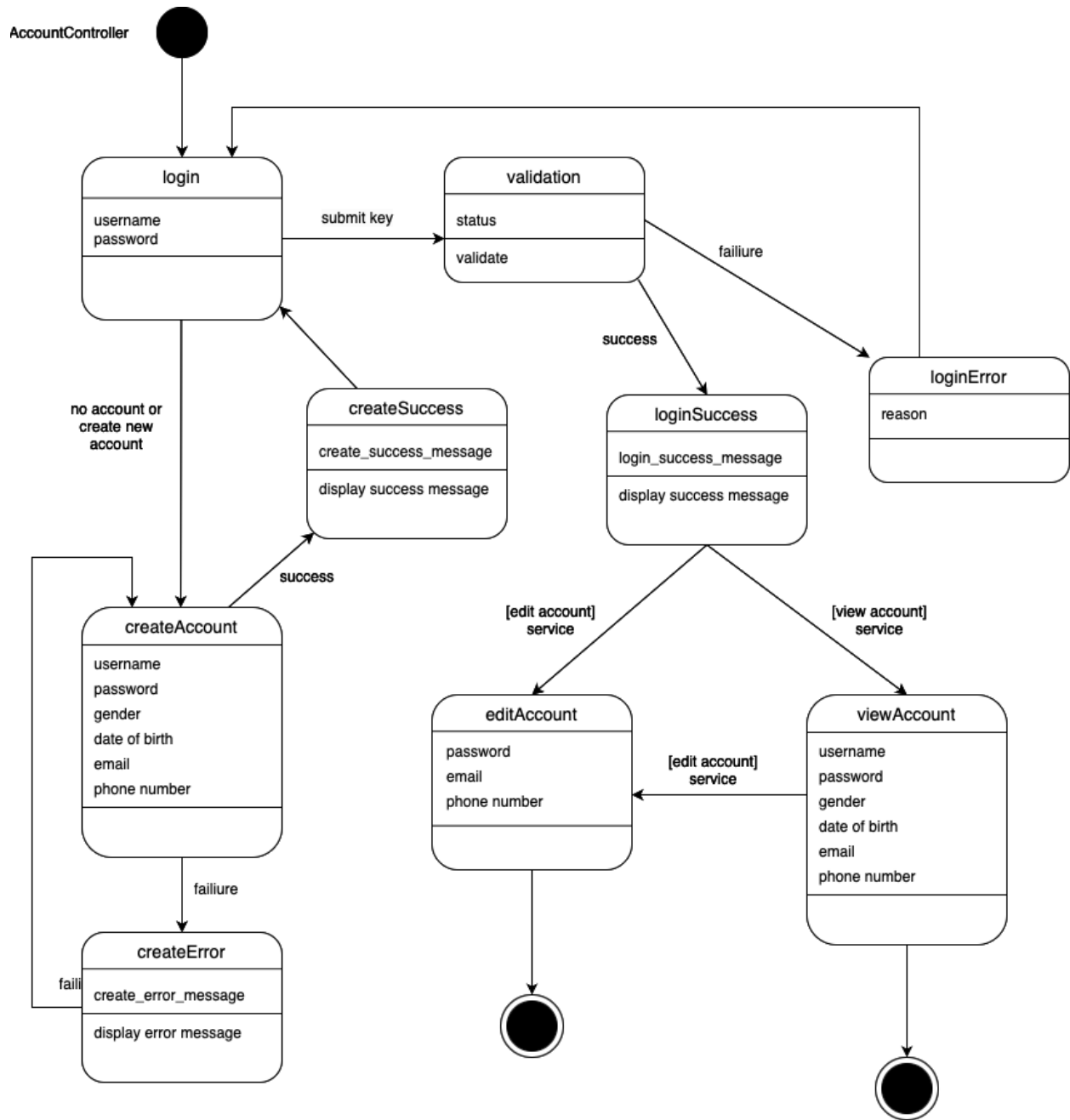


Figure 2: Account Controller state diagram showing login, account creation, validation, and management functionality.

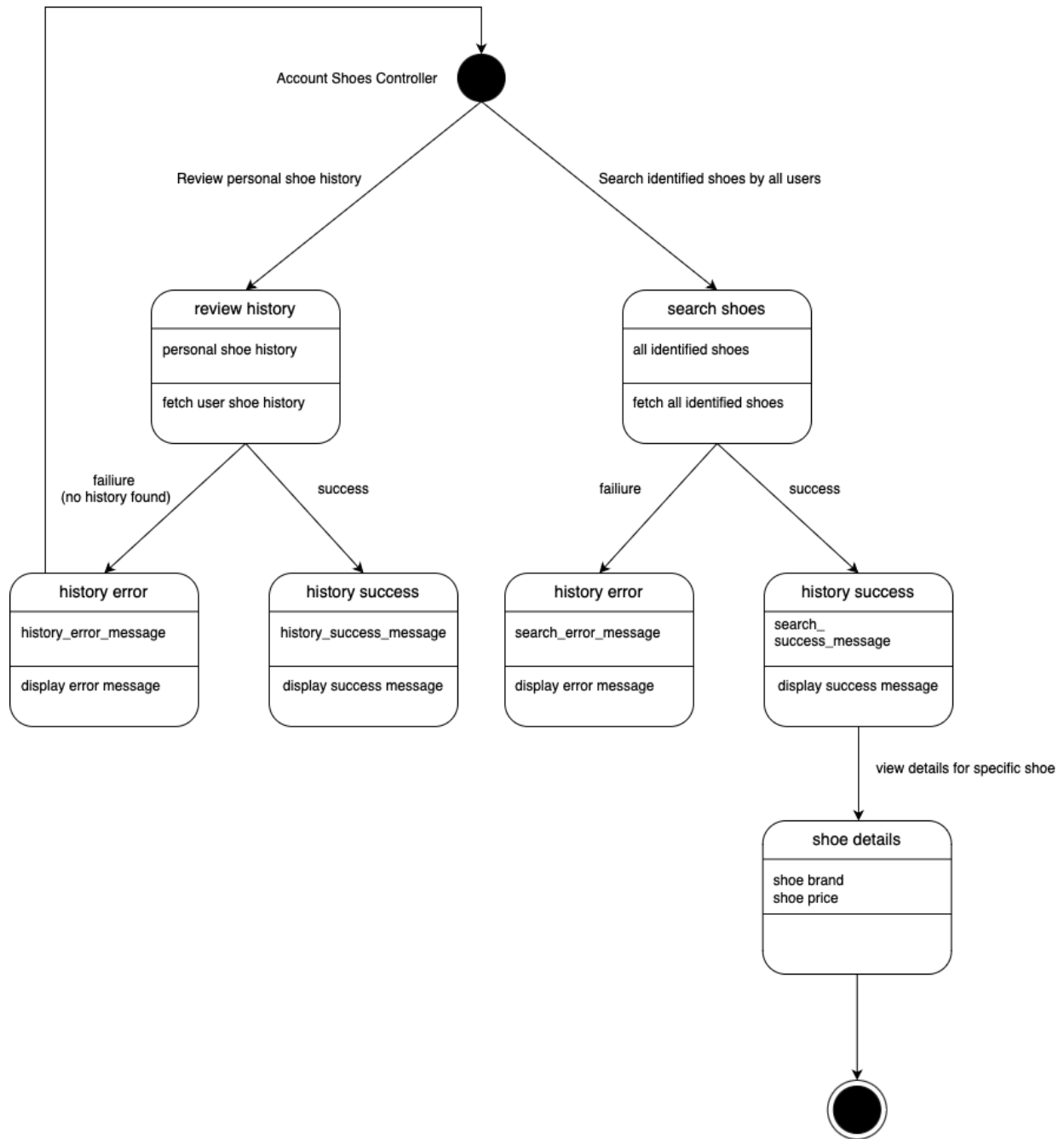


Figure 3: Account Shoes Controller state diagram showing user interactions for viewing personal shoe history and searching shoes identified by all users.

3 Sequence Diagrams

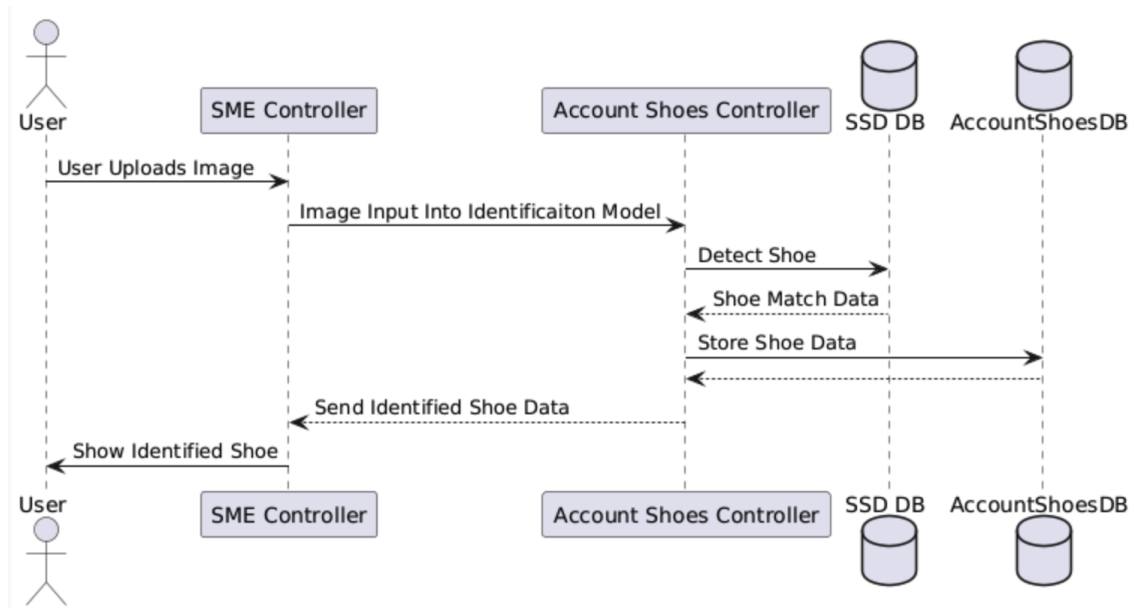


Figure 4: User requests shoe identification

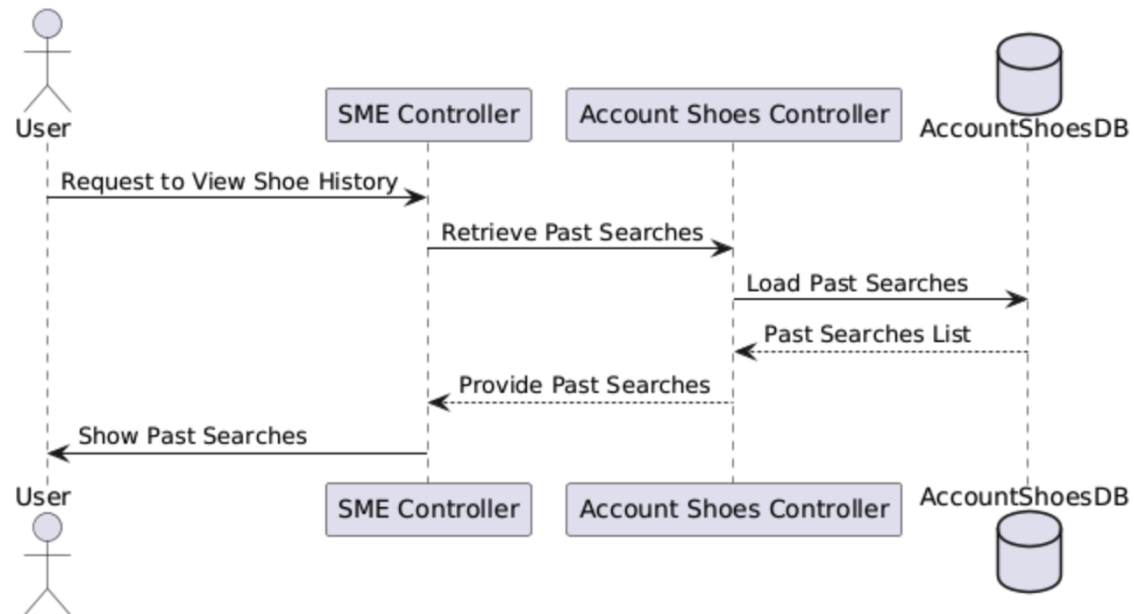


Figure 5: User views their past shoe searches

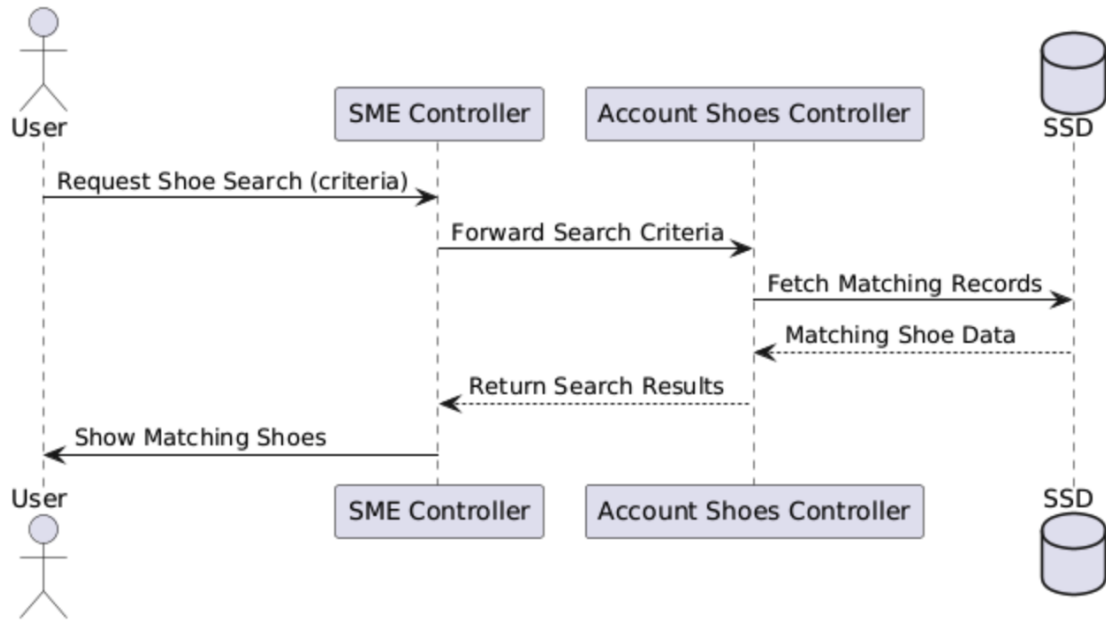


Figure 6: User searches for previously identified shoes

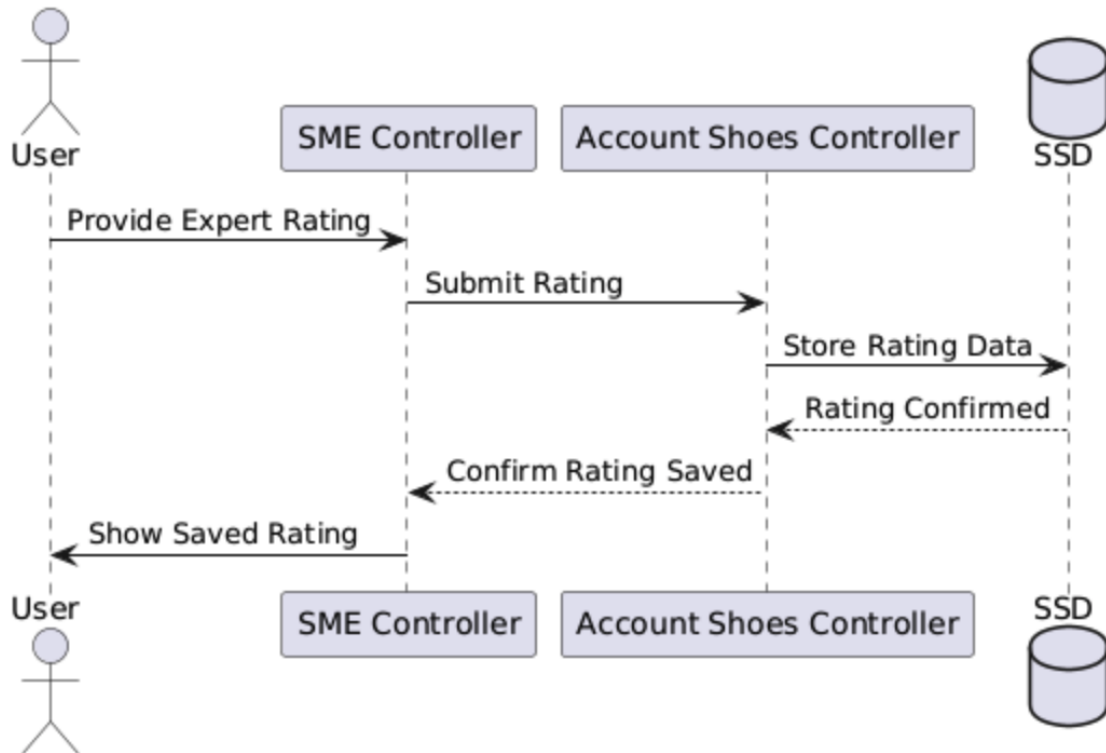


Figure 7: User audits experts' answers

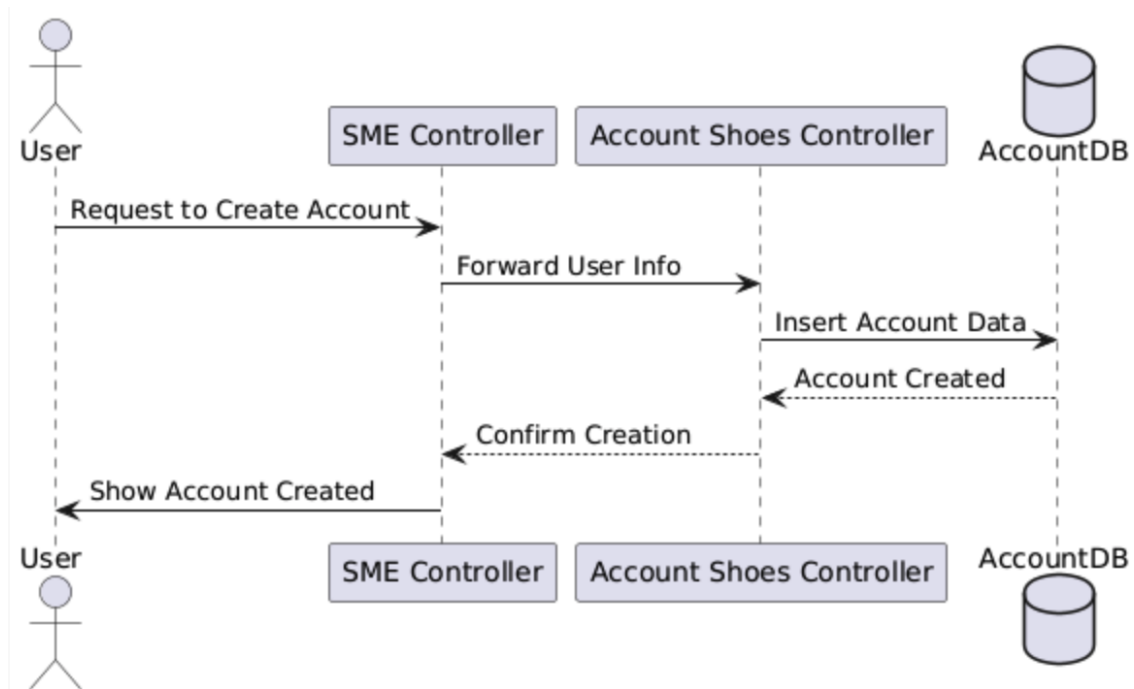


Figure 8: User creates account

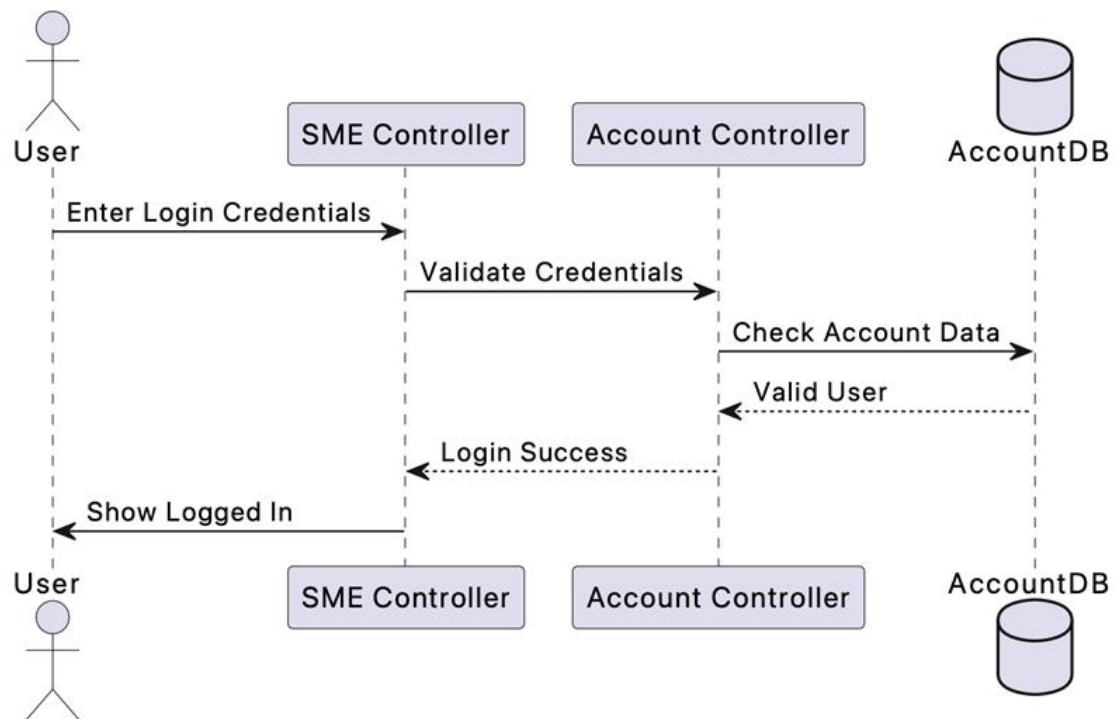


Figure 9: User logs in

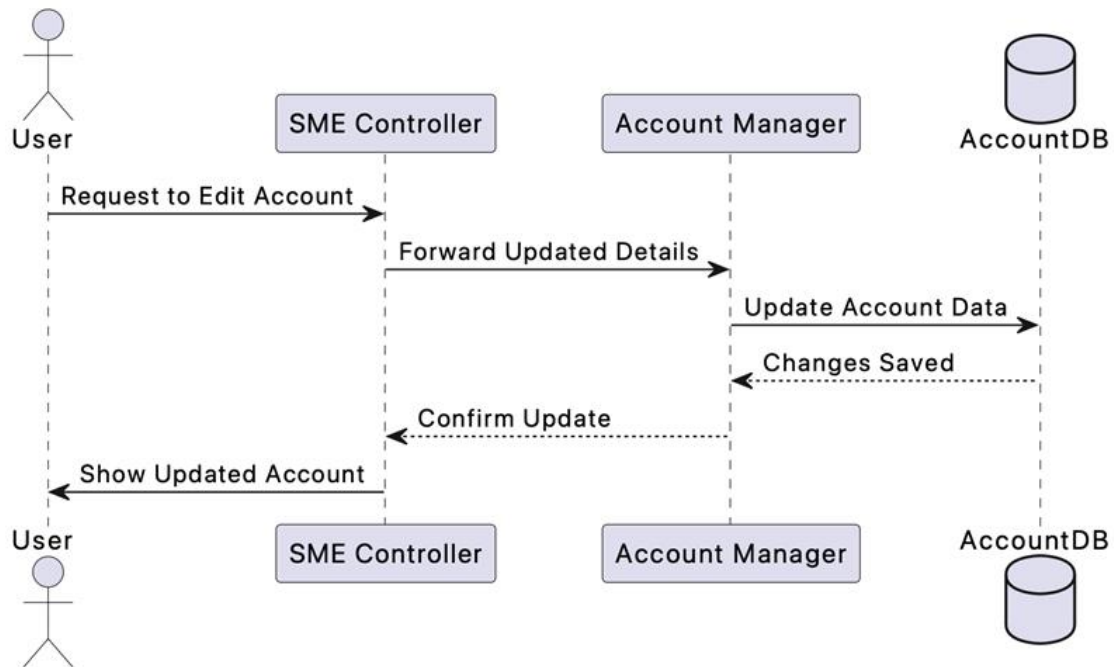


Figure 10: User edits account

4 Detailed Class Diagram

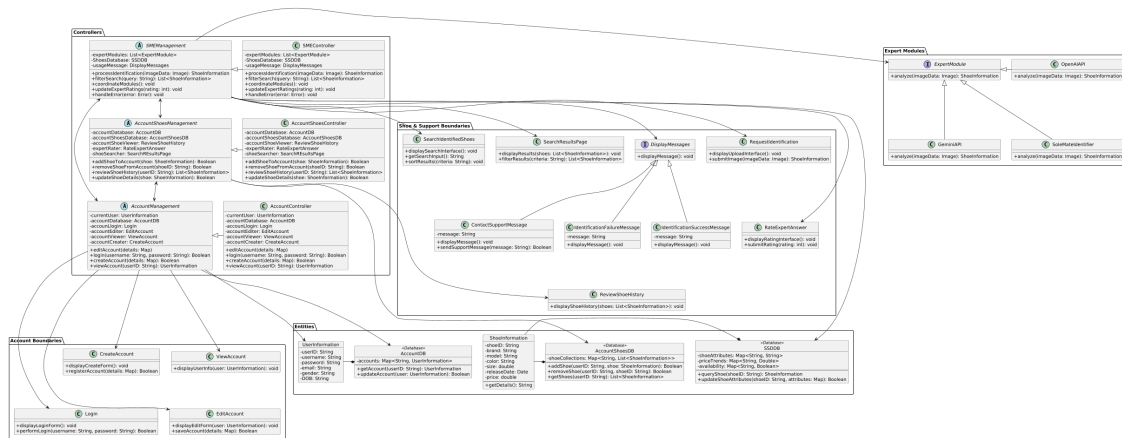


Figure 11: Overall detailed class diagram

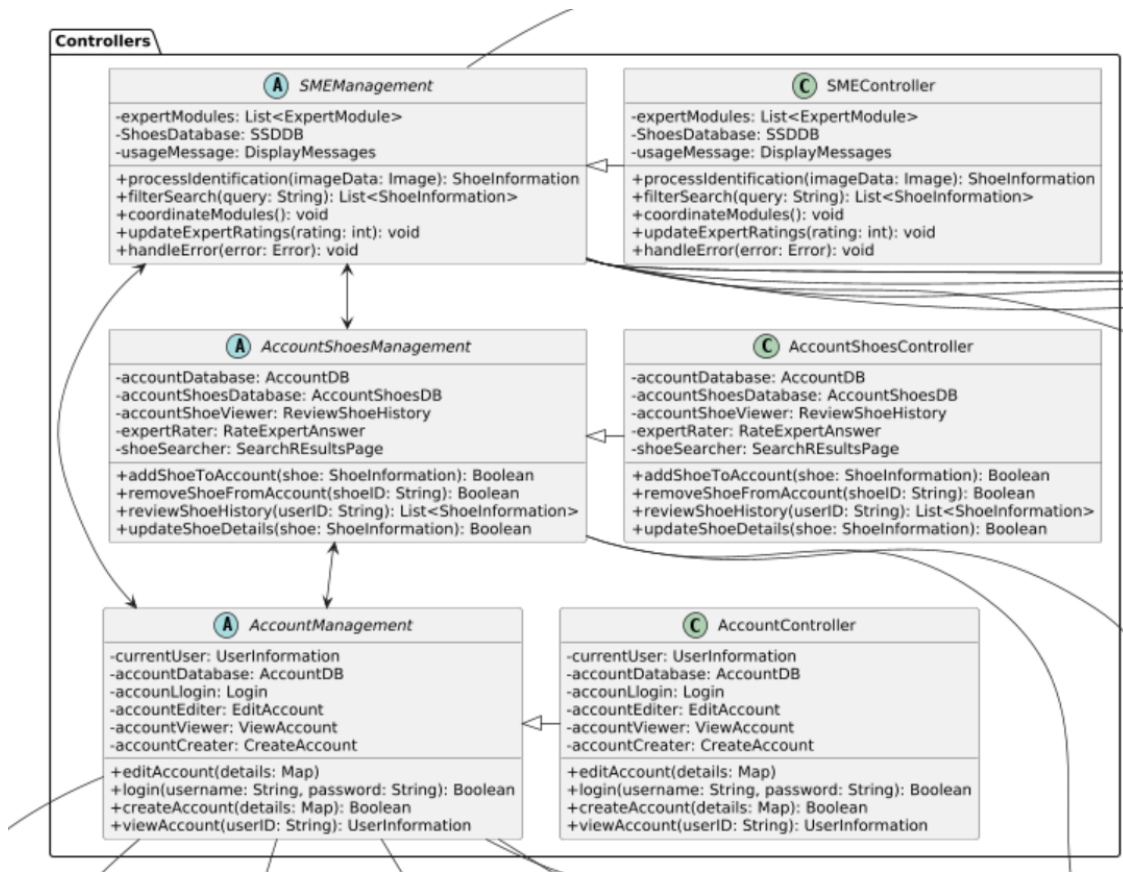


Figure 12: Detailed class diagram subsection 1

Figure 12 is above Figure 13 and left of Figure 14.

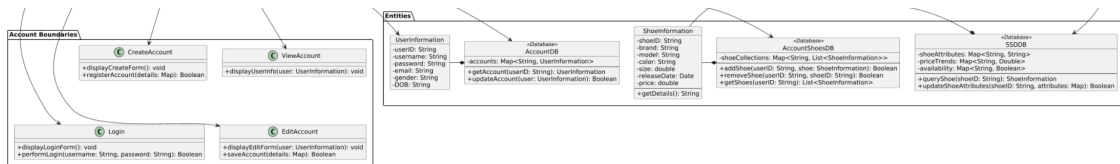


Figure 13: Detailed class diagram subsection 2

Figure 13 is below Figure 12 and Figure 14.

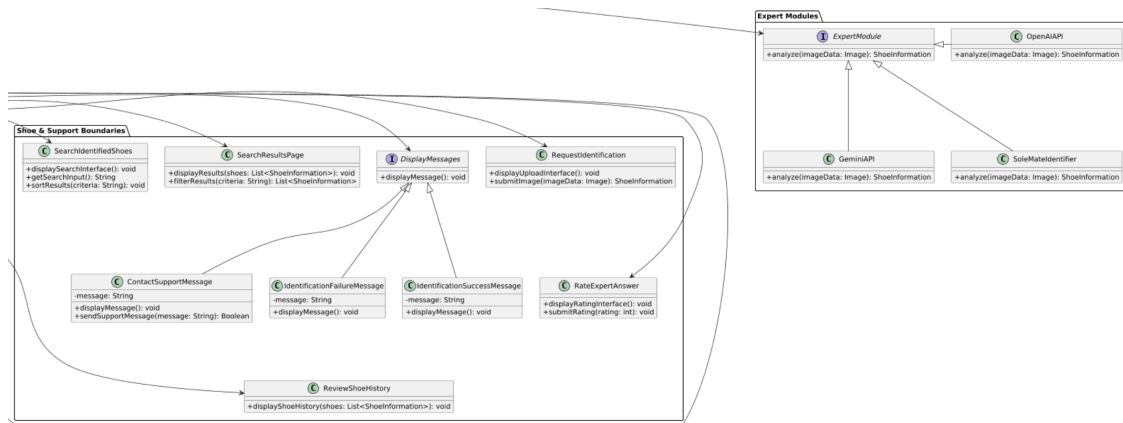


Figure 14: Detailed class diagram subsection 3

Figure 14 is above Figure 13 and right of Figure 12.

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.

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 thoroughly 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