

Deliverable #3 Template

SE 3A04: Software Design II – Large System Design

Tutorial Number: T03

Group Number: G4

Group Members:

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- Maurer, Daniel Hans
- Elbasiouni, Karim
- Fawaz, Nour
- Kashif, Haniya

1 Introduction

1.1 Purpose

This document presents further, more visual descriptions of GameOracle’s system architecture, in the form of state charts, sequence diagrams, and a detailed class diagram.

This document is intended for use by internal GameOracle stakeholders, including its developers, project managers, and its investors. Due to this document building on previously discussed concepts, GameOracle’s Deliverable 1 and 2 should be read prior to achieve complete understanding.

1.2 System Description

This document is an extension of deliverable 2, outlining the system’s structure and behaviour via state charts, sequence diagrams, and a detailed class diagram. An overview of the system’s architecture and features can be found in deliverable 2.

1.3 Overview

This document organizes the system’s overall structure and behaviour via diagram or chart type. Section two contains state charts, visualizing the behaviour of the distinct user interfaces. Section 3 contains sequence diagrams, illustrating the interactions between different system components. Section 4 contains a detailed class diagram outlining the system’s classes, their attributes, methods, and relationships.

2 State Charts for Controller Classes

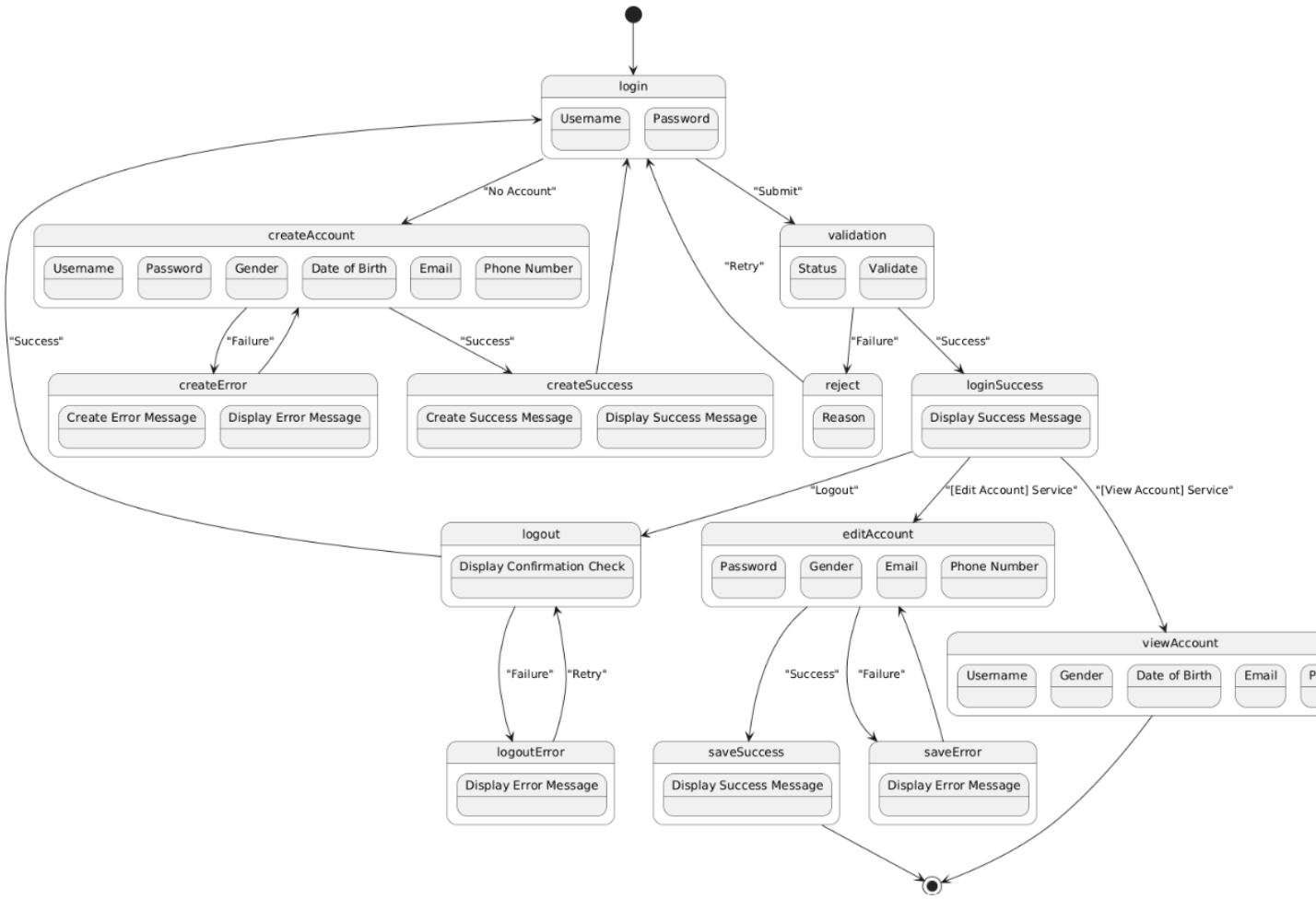


Figure 1: Account Manager State Chart

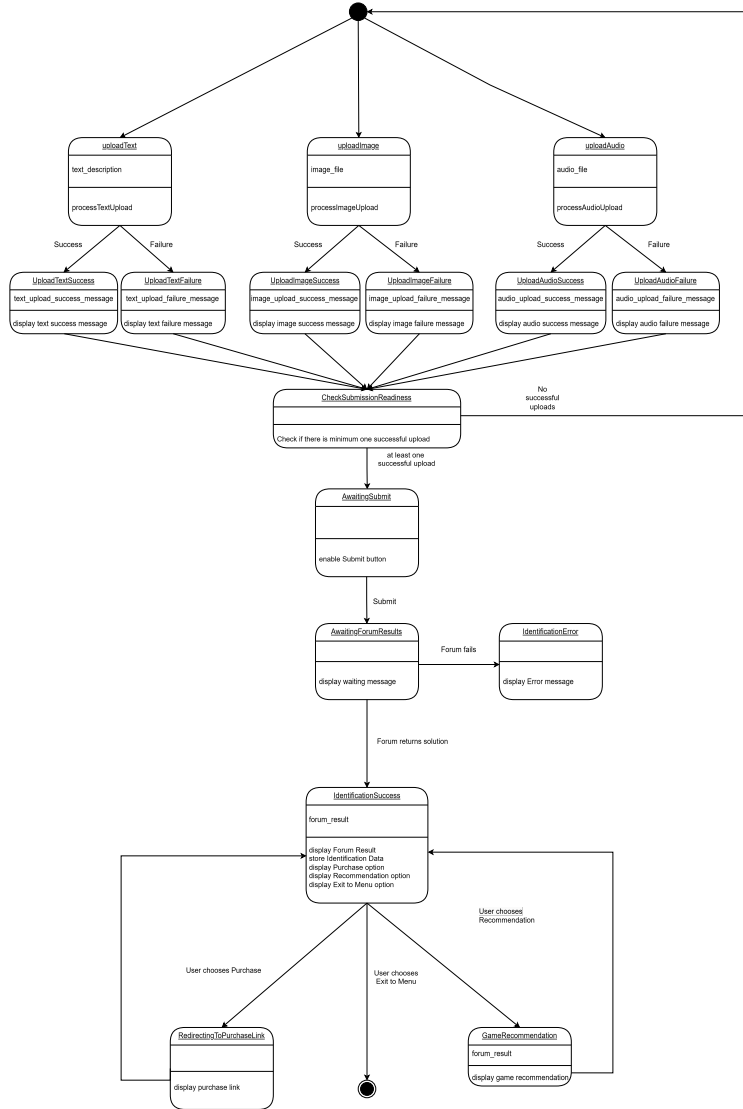


Figure 2: Identification Manager State Chart

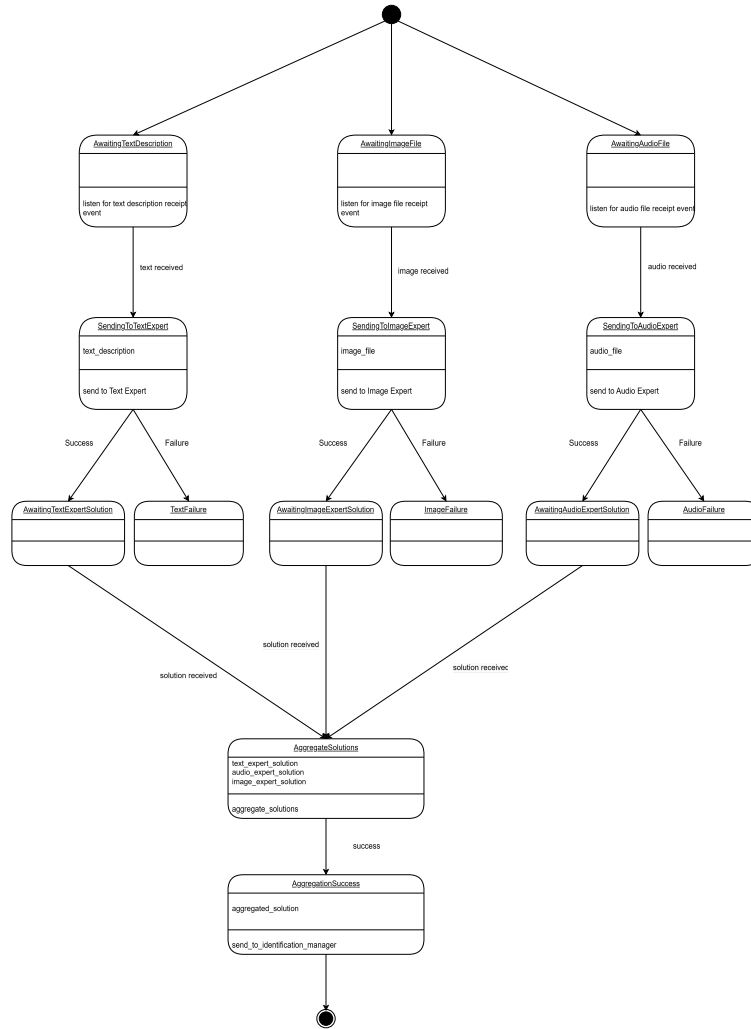


Figure 3: Forum State Chart

This file will contain the recommendation management state chart diagram where it can be adjusted

3 Sequence Diagrams

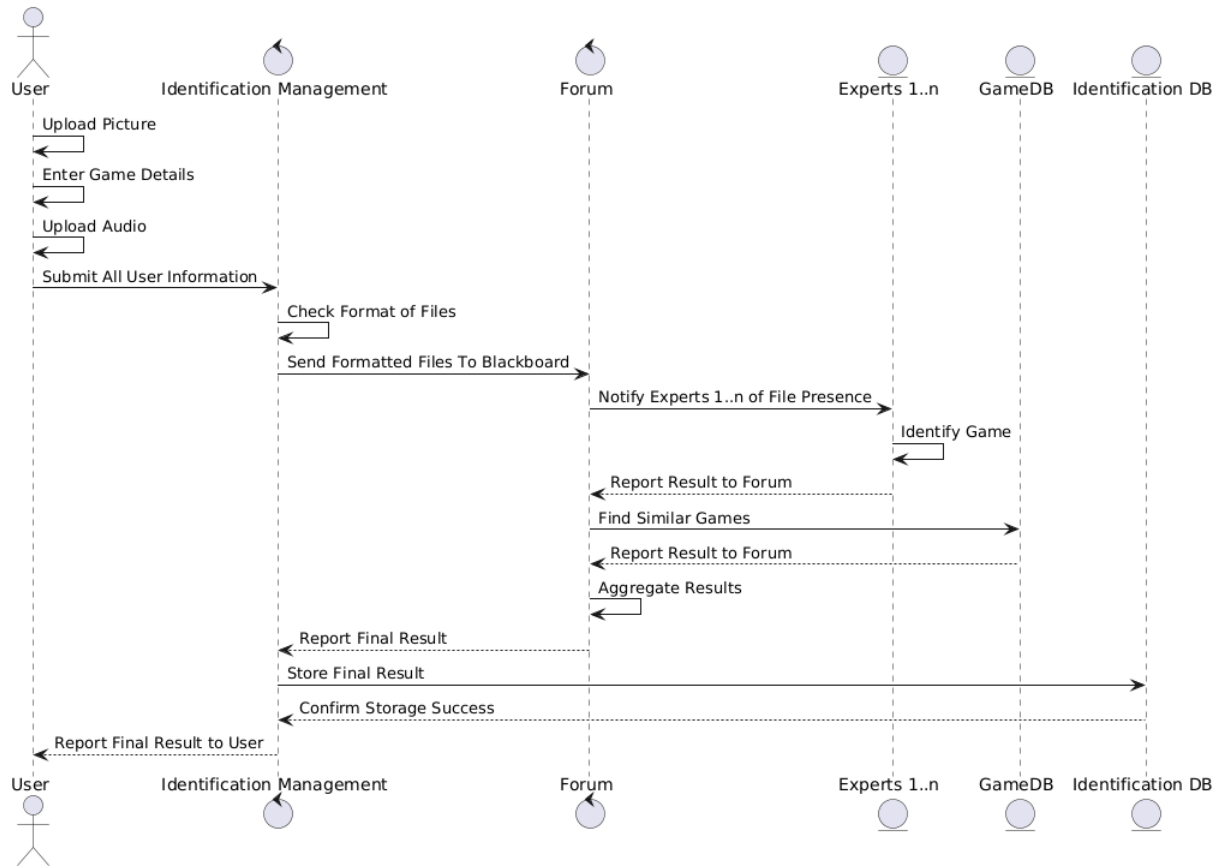


Figure 4: User Requests Identification Sequence Diagram

BE2: Game Recommendation

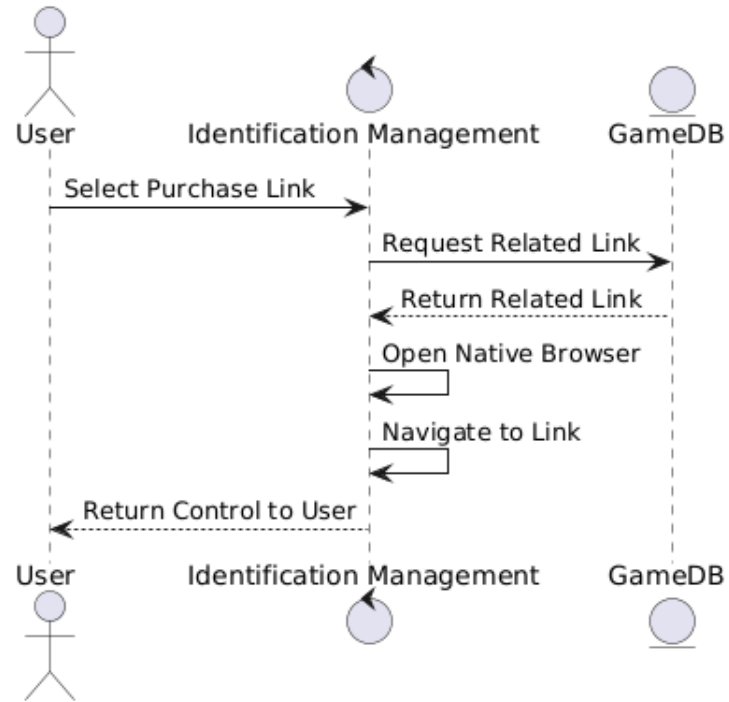


Figure 5: Follow Purchase Link Sequence Diagram

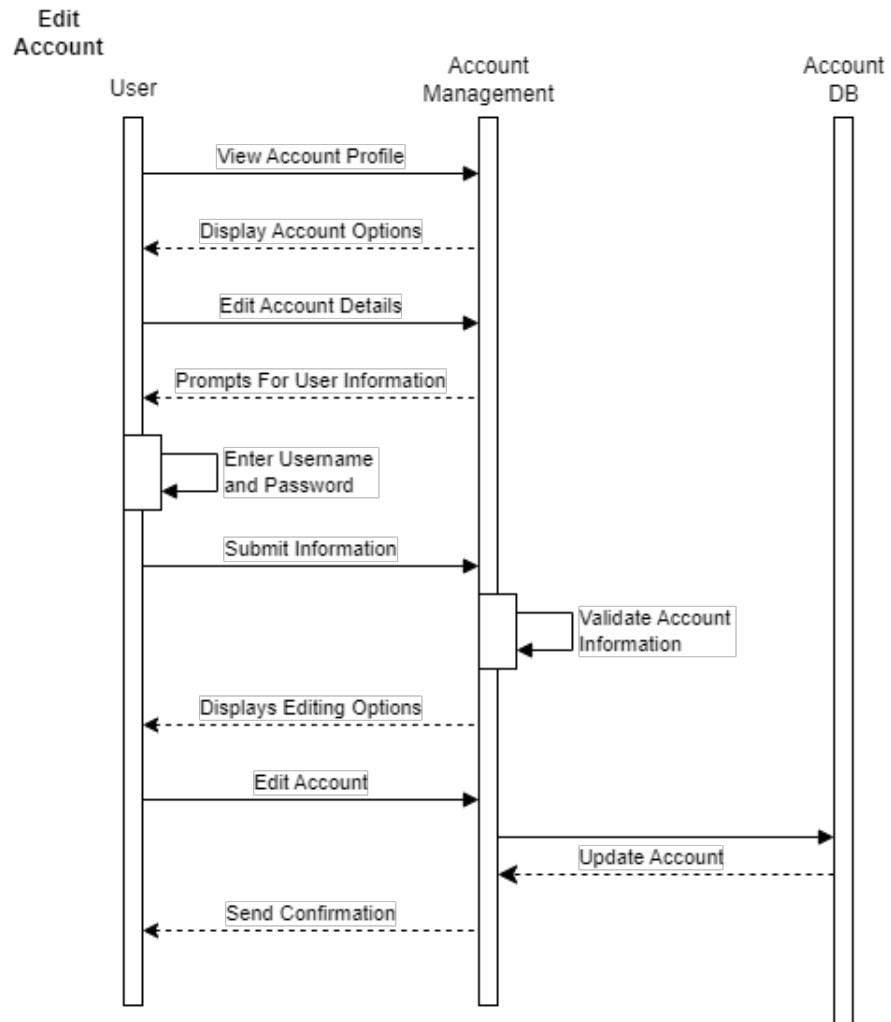


Figure 6: Edit Account Sequence Diagram

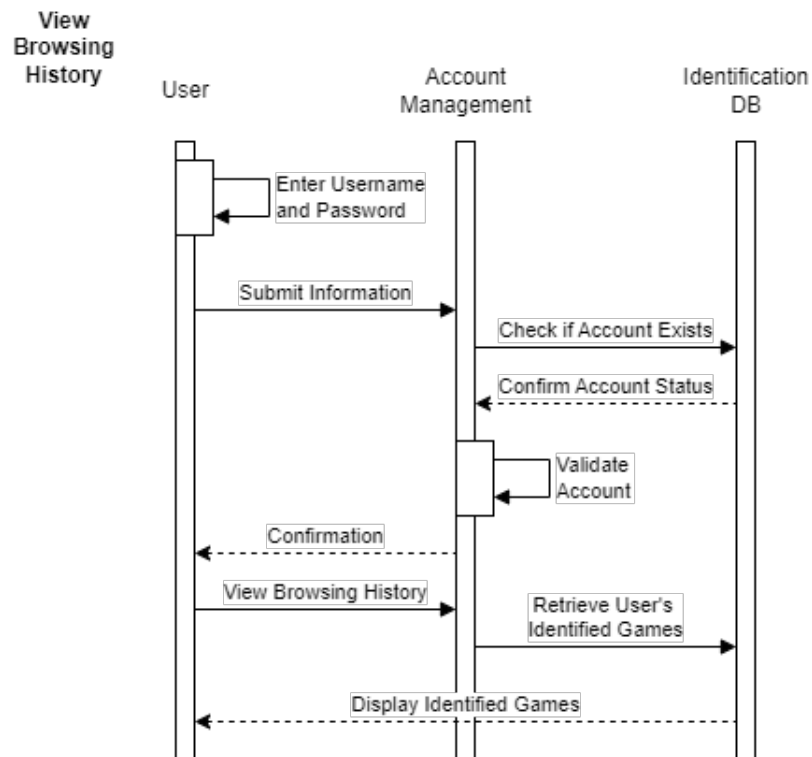


Figure 7: View Browsing History Sequence Diagram

BE9: Create Account

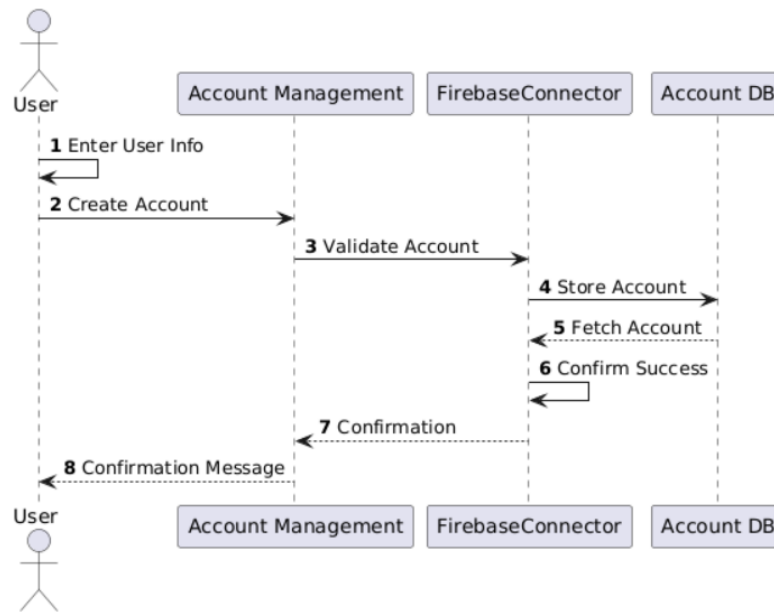


Figure 8: Creat Account Sequence Diagram

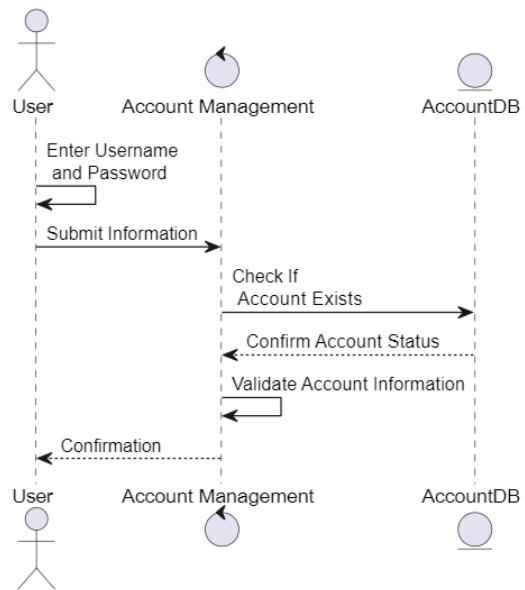


Figure 9: Login Sequence Diagram

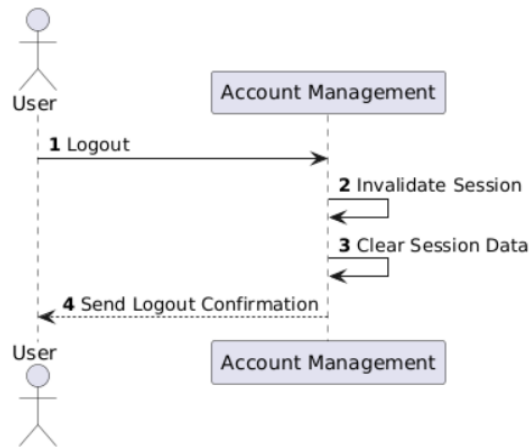


Figure 10: Logout Sequence Diagram

4 Detailed Class Diagram

This file will contain the detailed class diagram image where it can be adjusted

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.

Noel

Maurer, Daniel

- Wrote Purpose
- Completed User Requests Identification, Follow Purchase Link, and Login Sequence Diagrams
- Worked as a group on Detailed Class Diagram

A photograph of a handwritten signature in black ink on a light-colored background. The signature is written in a cursive style and reads 'Daniel Maurer'.

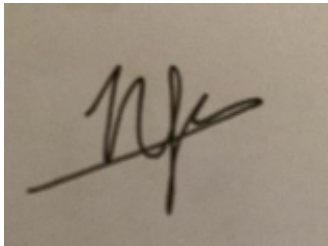
Elbasiouni, Karim

- Created Forum State Diagram
- Created Identification Manager State Diagram
- Worked as a group on Detailed Class Diagram



Fawaz, Nour

- Formatted document into different subfiles
- Wrote System Description and Overview of Document
- Completed Edit Account and View Browsing History Sequence Diagrams



Kashif, Haniya

- Created logout and create account sequence diagrams
- Completed the Account Manager state chart
- Worked as a group on Detailed Class Diagram



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