

Deliverable #3

SE 3A04: Software Design II – Large System Design

Tutorial Number: T03

Group Number: G6

Group Members:

- Cass Braun
- Nehad Shikh Trab
- Savvy Liu
- Tvesha Shah
- Victor Yu

1 Introduction

1.1 Purpose

This document provides further information about the Gaim wildlife identification system architecture, including state chart diagrams, sequence diagrams, and a detailed class diagram. This document is intended for internal Gaim stakeholders, including but not limited to, project managers, developers, domain experts, and Gaim team members/investors. Gaim Deliverable 1 and 2 should be read prior, and technical knowledge may be beneficial in better understanding the contents of the document.

1.2 System Description

An overview of the system description can be found in deliverable 2. This document acts as an extension of deliverable 2, providing more context in form 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 chart diagrams, section 3 contains relevant sequence diagrams, and section 4 provides a detailed UML diagram of the system

2 State Charts for Controller Classes

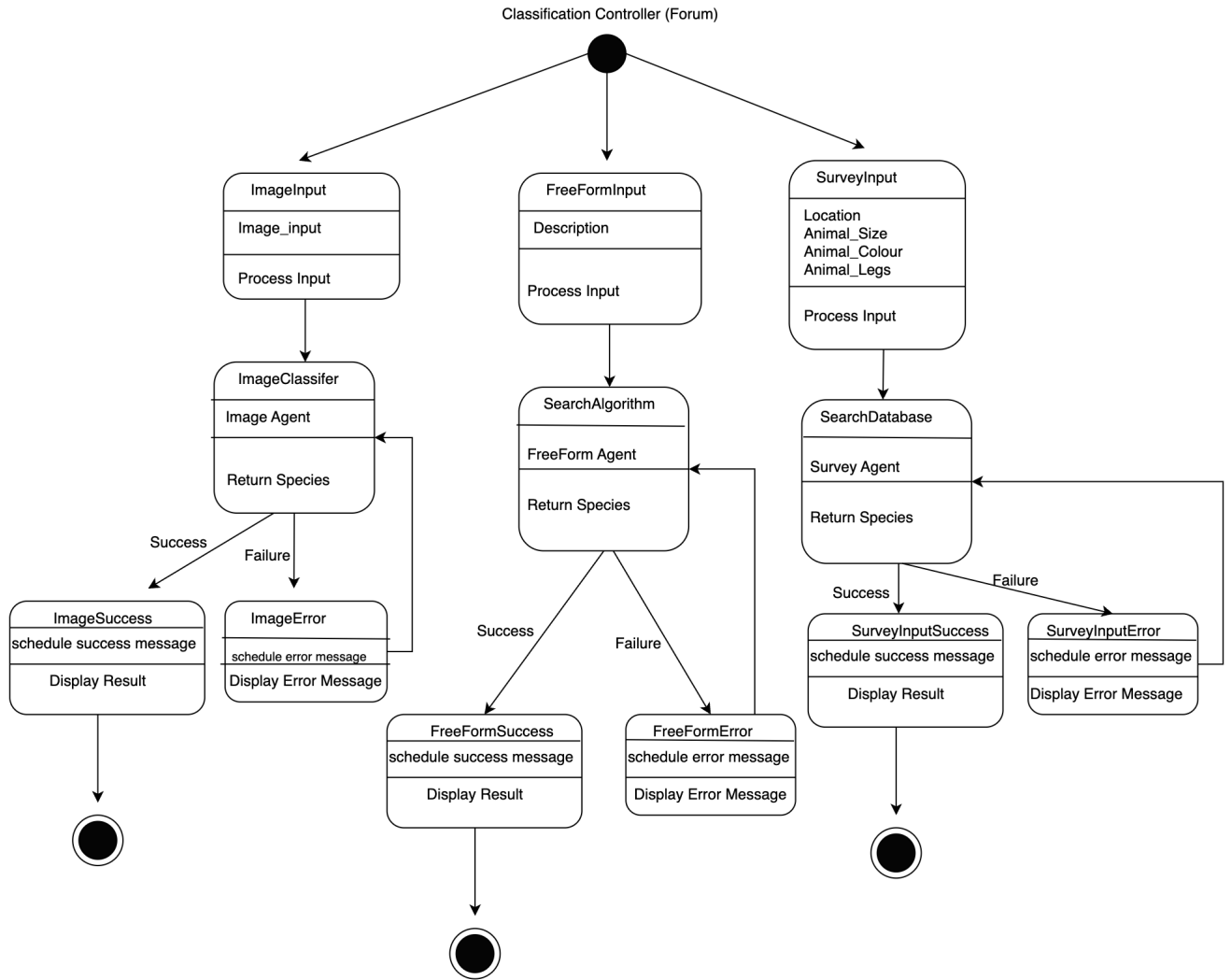


Figure 2.1: Forum Controller State Chart Diagram

Generate Report Controller

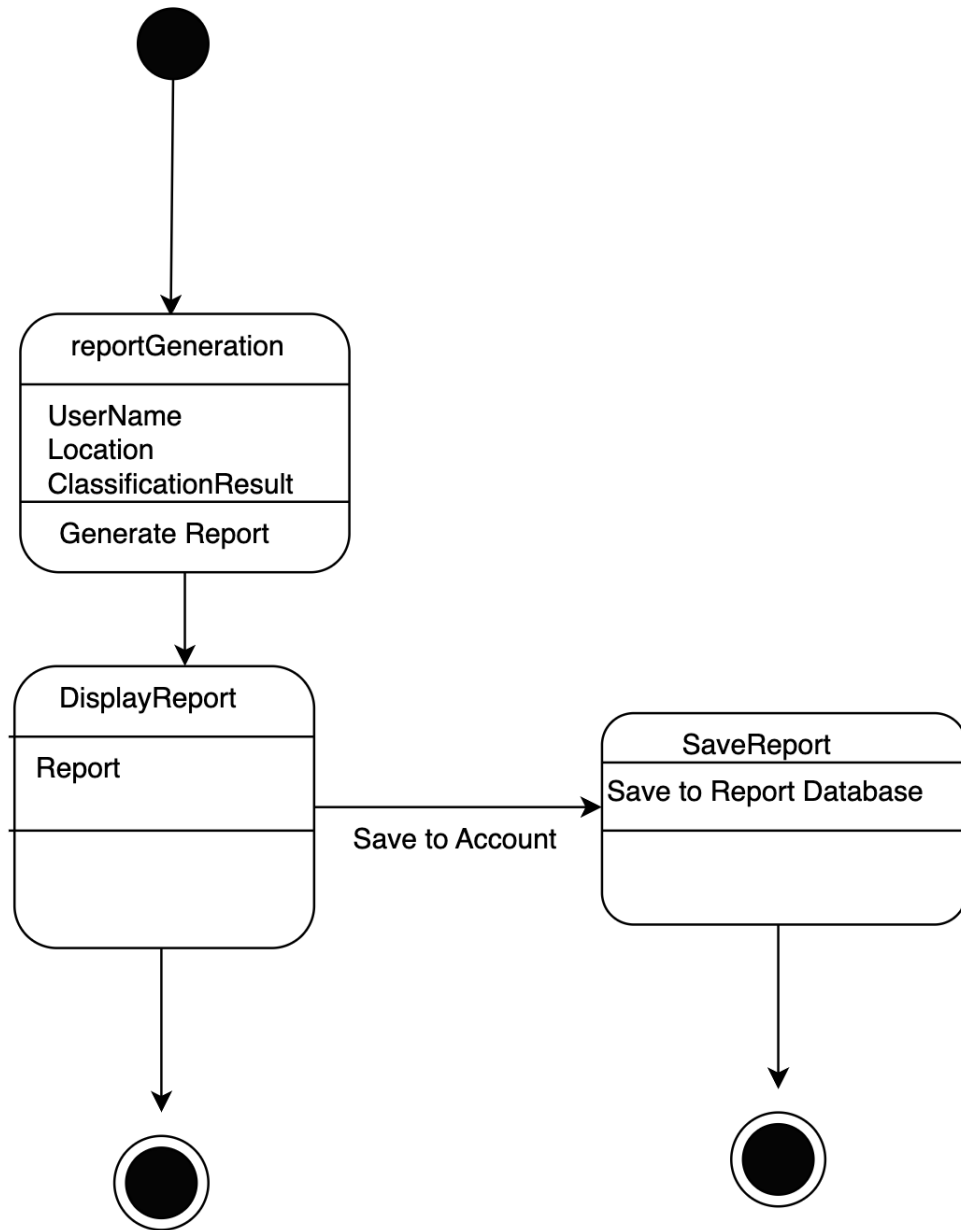


Figure 2.2: Generate Report Controller State Chart Diagram

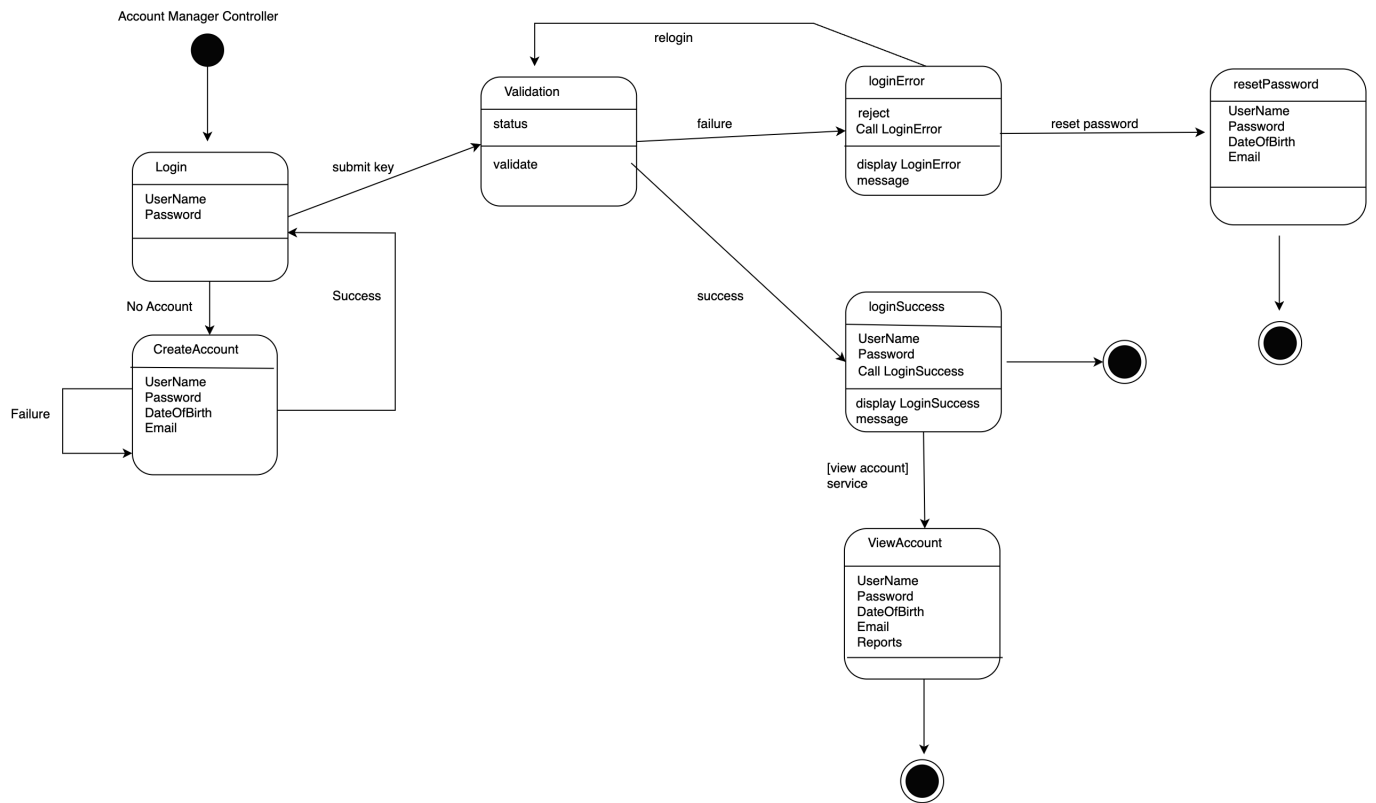


Figure 2.3: Account Manager Controller State Chart Diagram

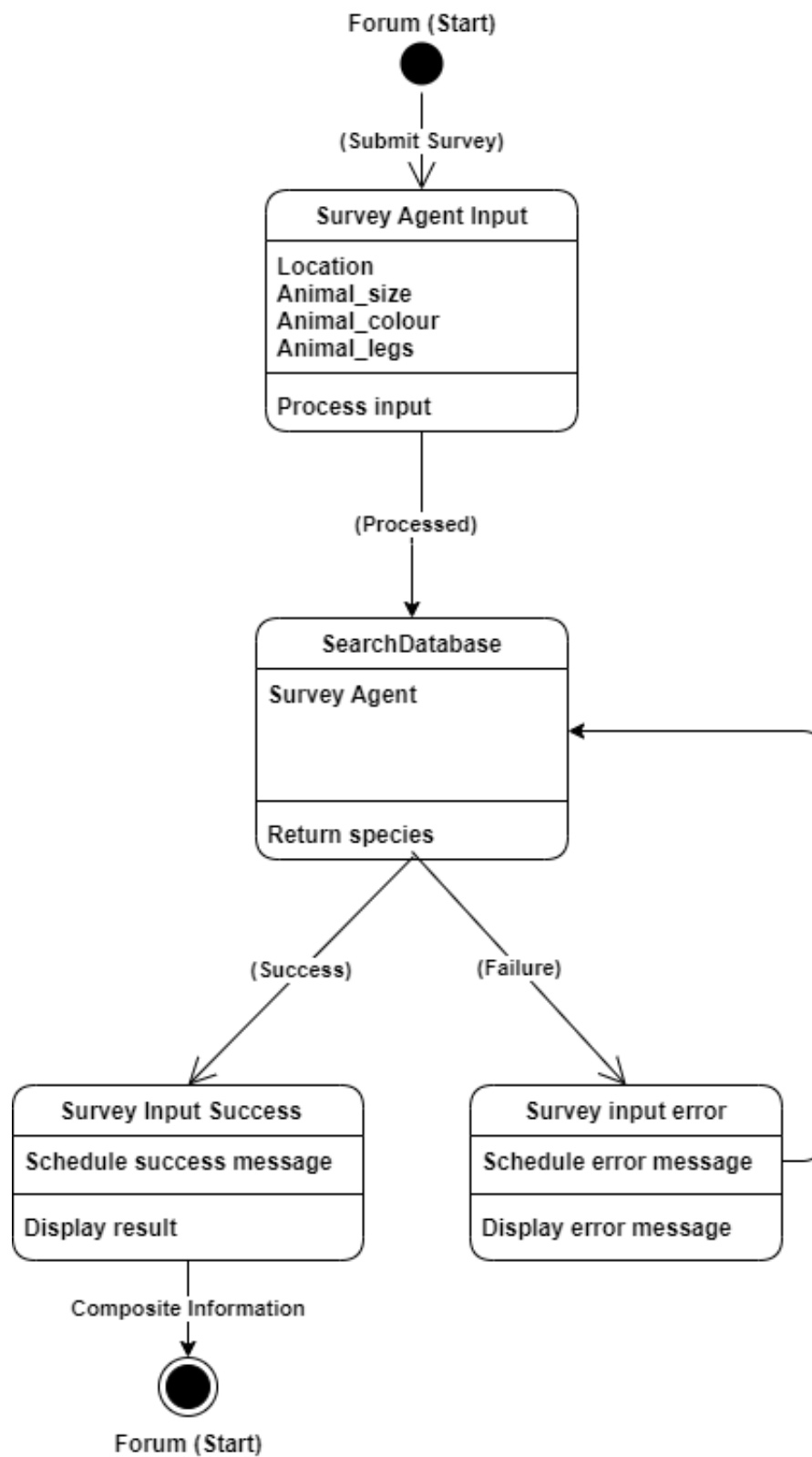


Figure 2.4: Account Manager Controller State Chart Diagram

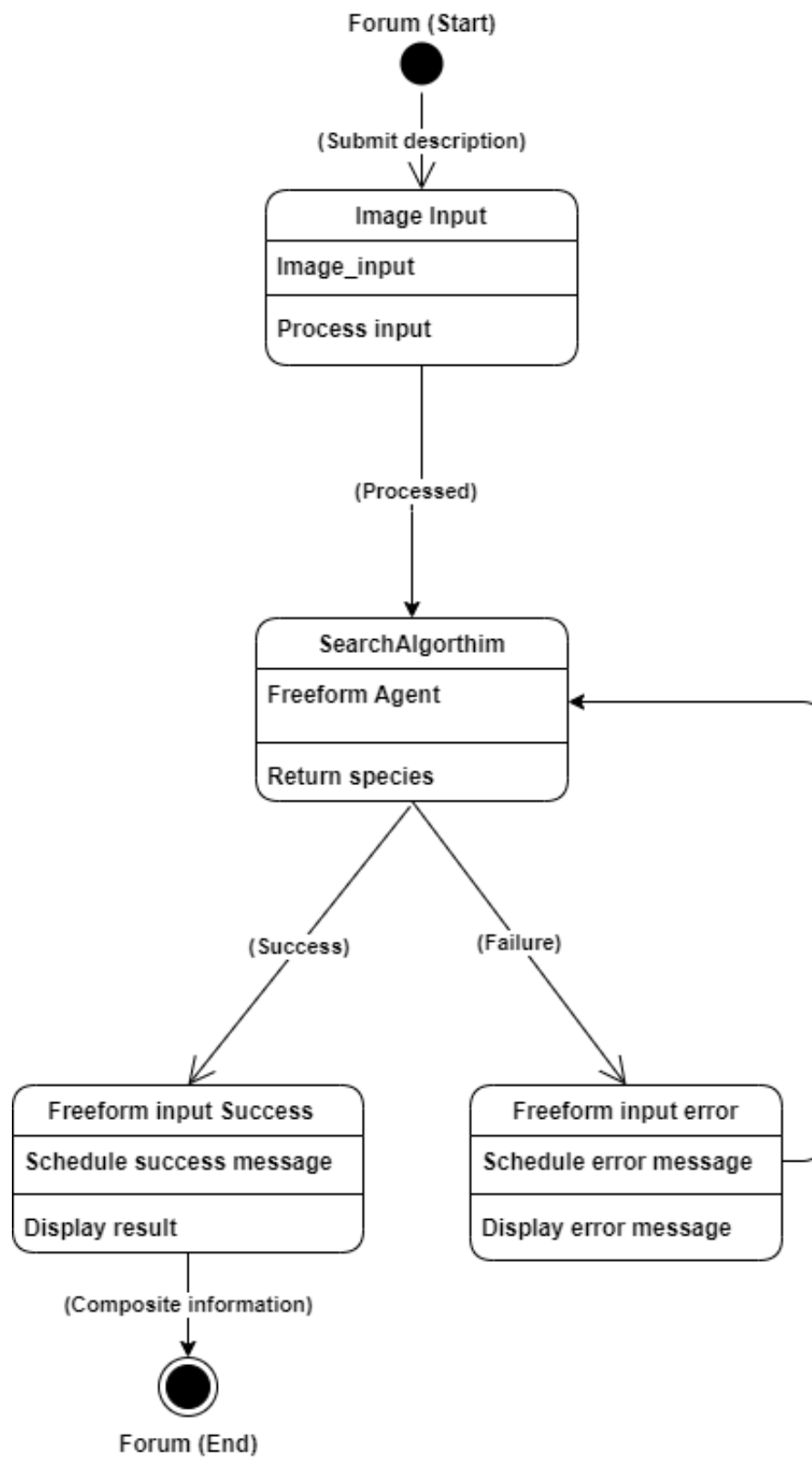


Figure 2.5: Account Manager Controller State Chart Diagram

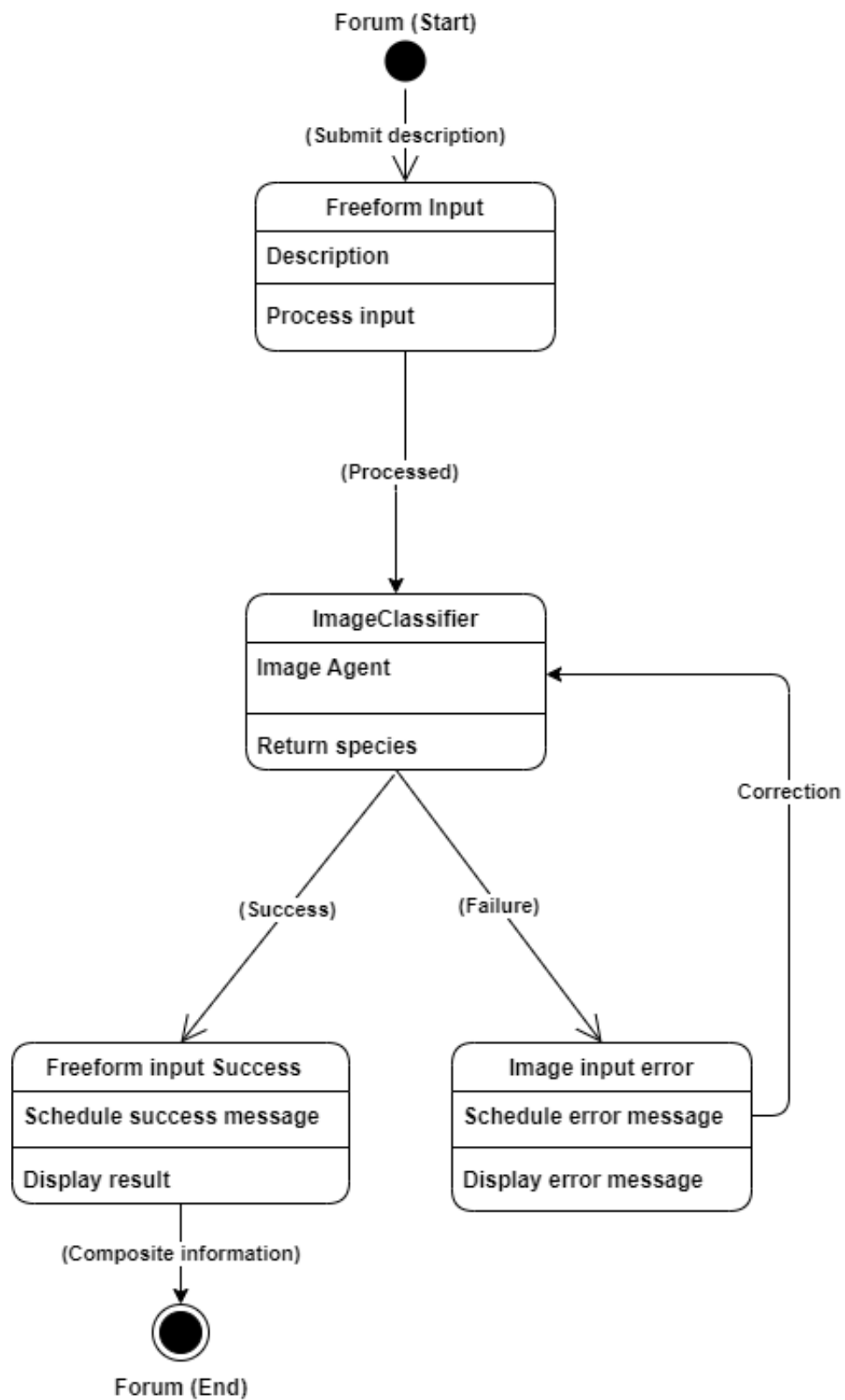


Figure 2.6: Account Manager Controller State Chart Diagram

3 Sequence Diagrams

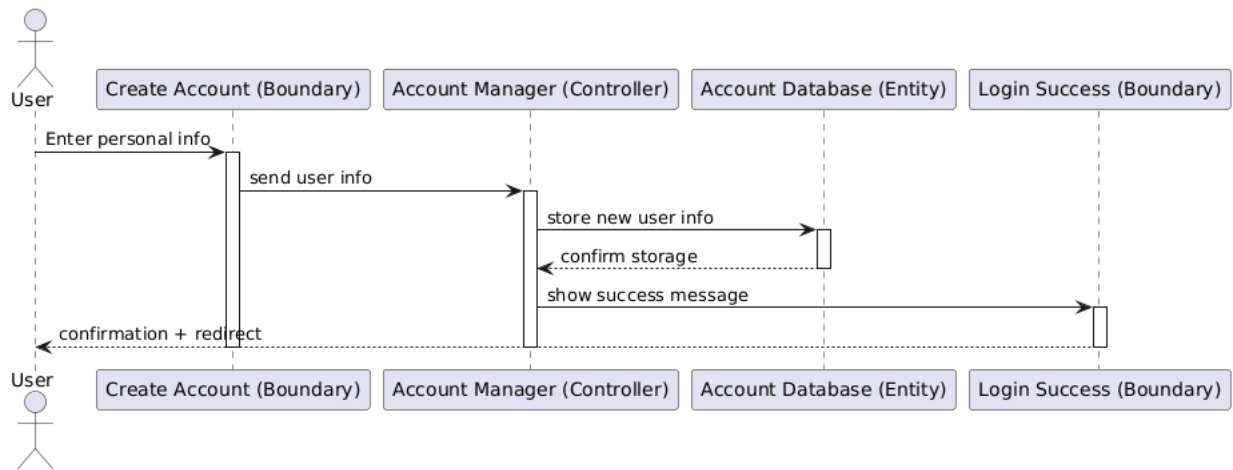


Figure 3.1: Log in to Account Sequence Diagram

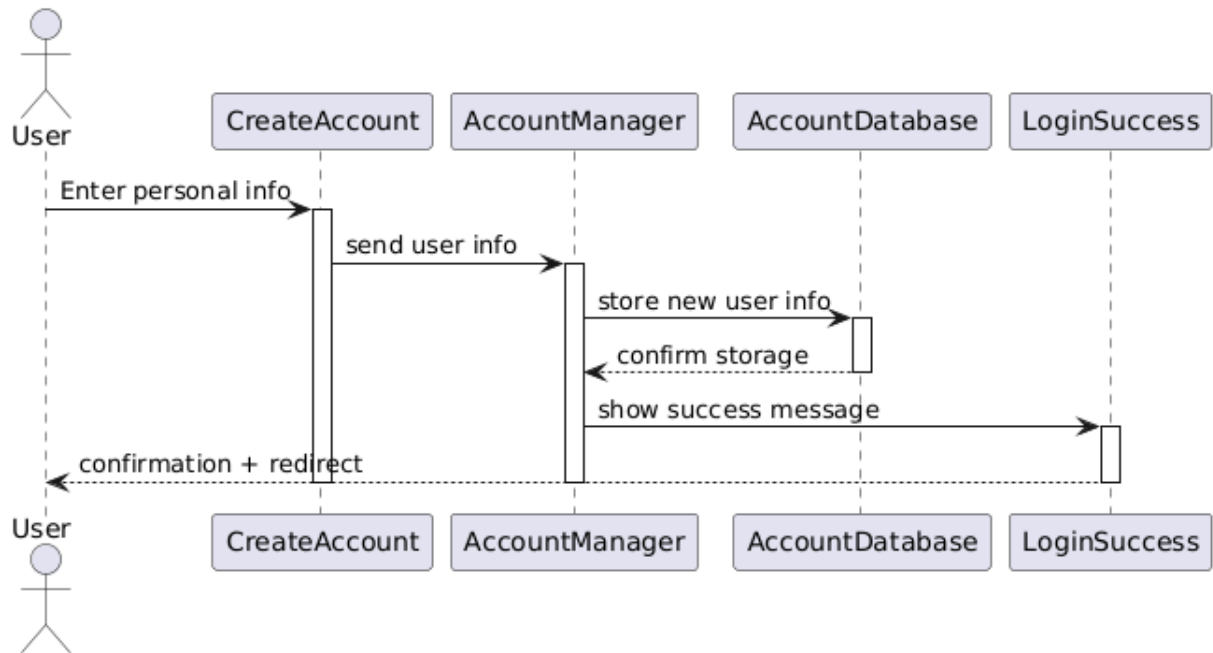


Figure 3.2: Creating an Account Sequence Diagram

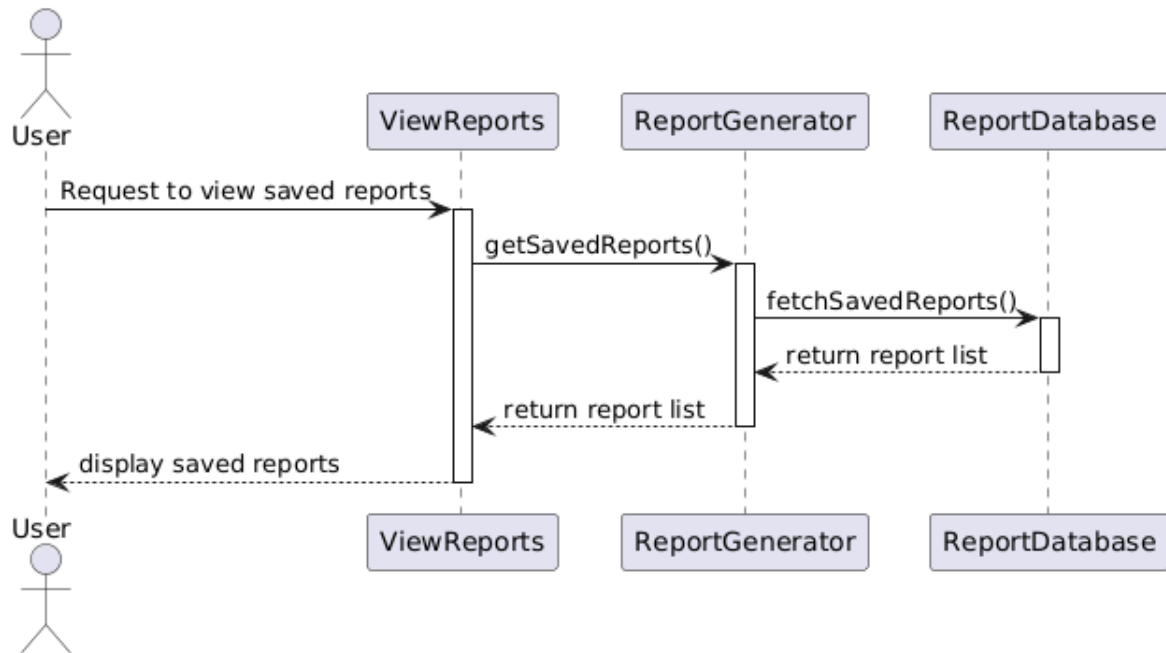


Figure 3.3: Viewing a Saved Report Sequence Diagram

Abstract Search Sequence Diagram

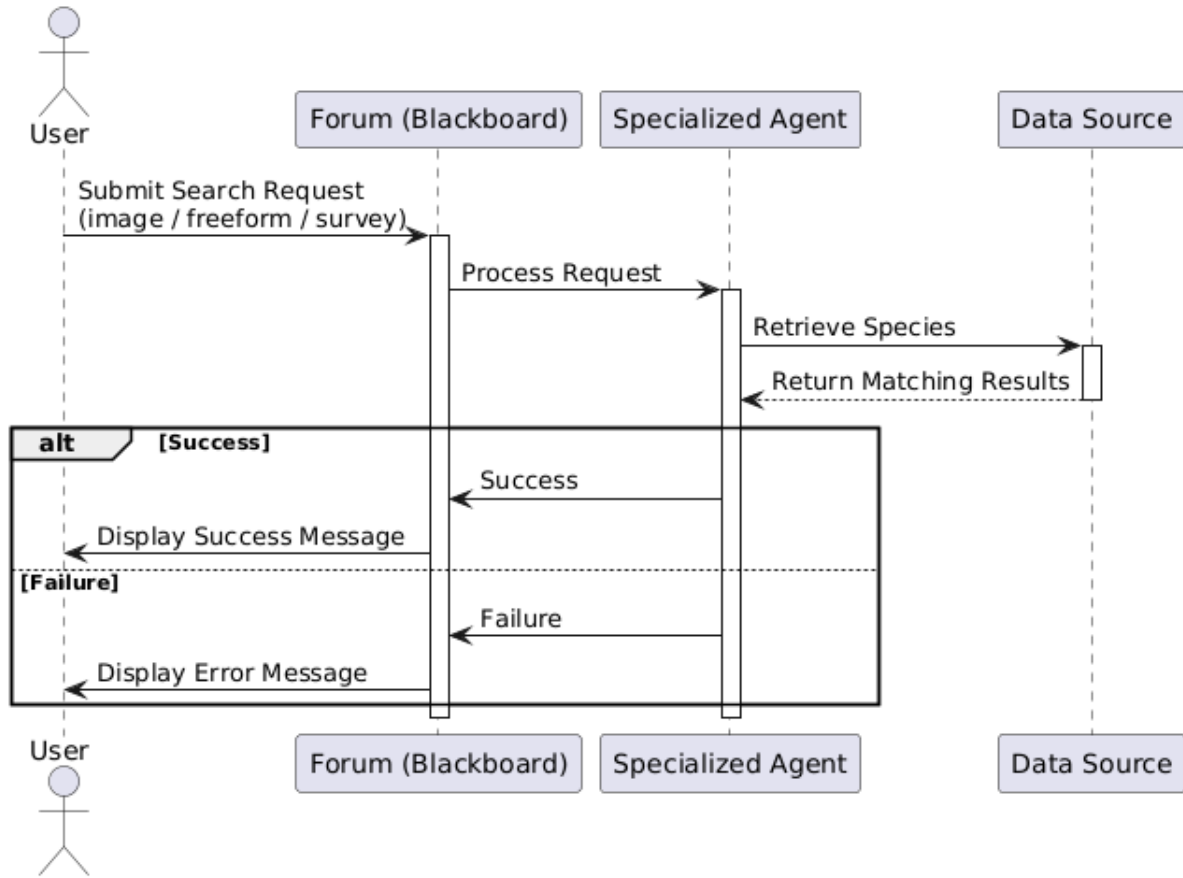


Figure 3.4: Start Search Sequence Diagram

4 Detailed Class Diagram

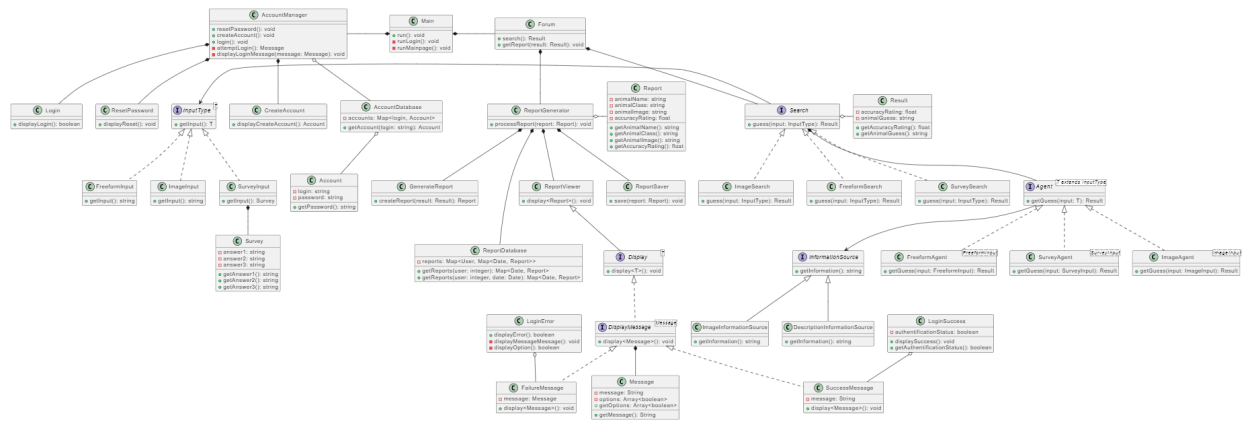


Figure 4.1: Entire Class Diagram

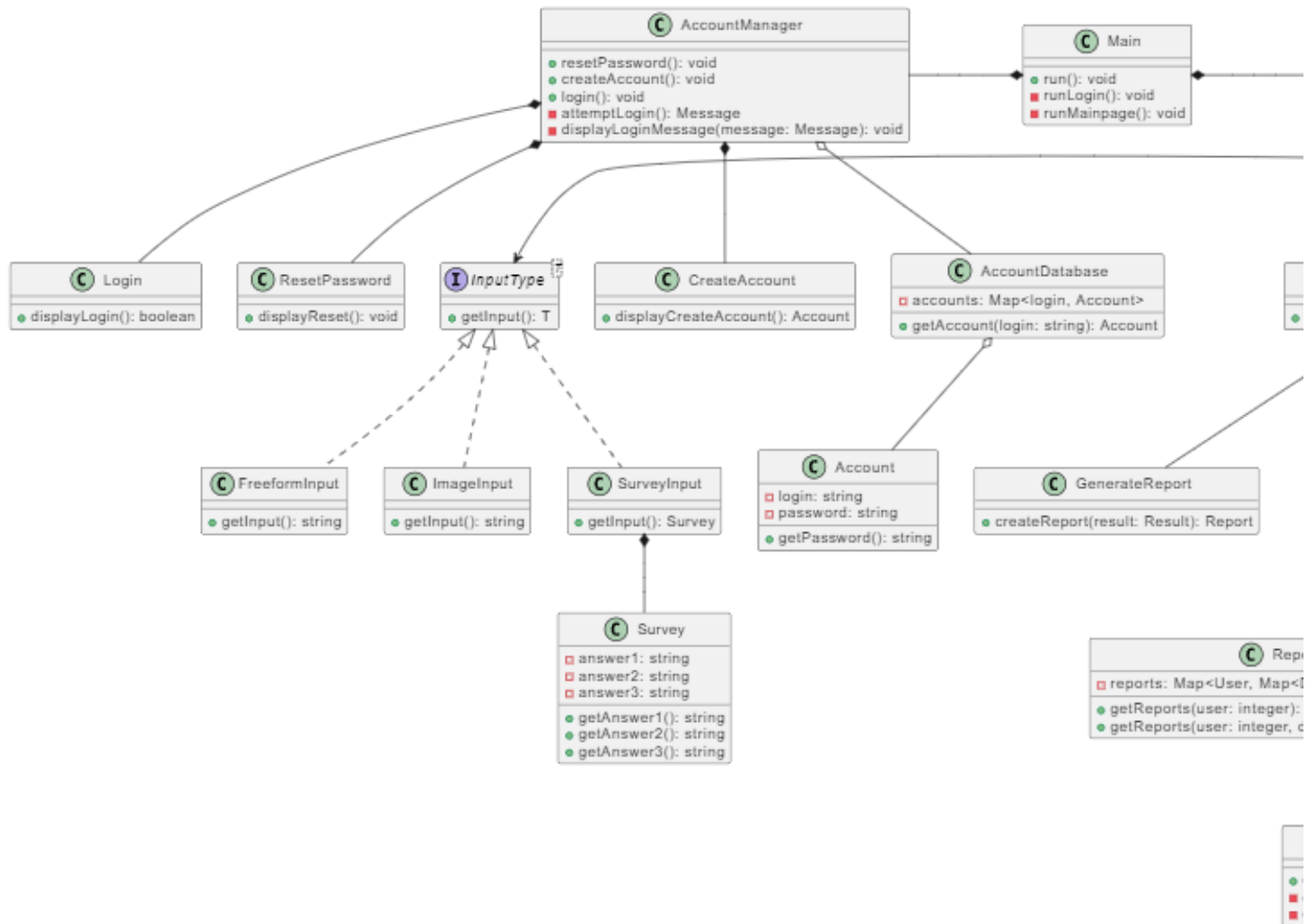


Figure 4.2: Account Manager Section of Class Diagram

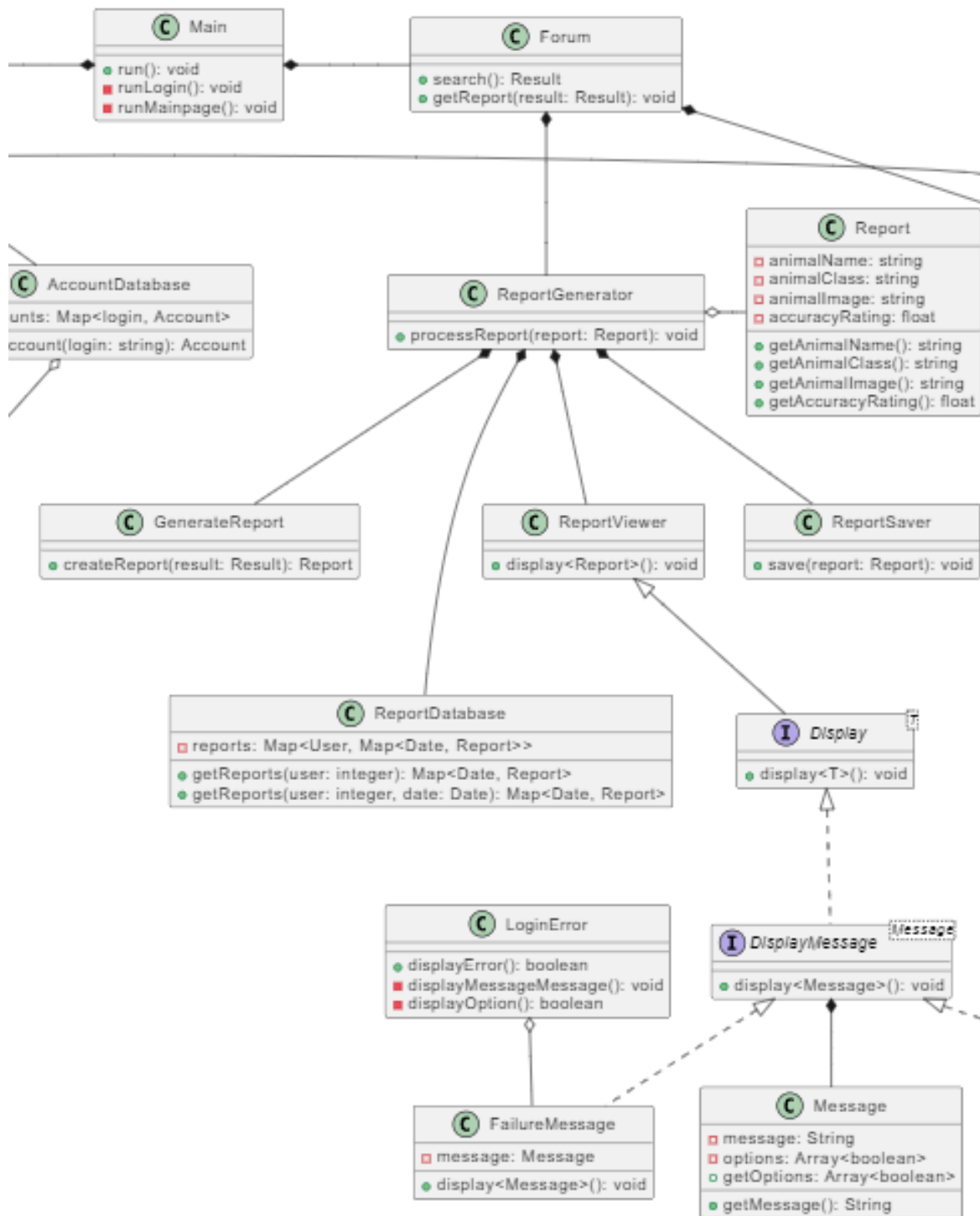


Figure 4.3: Report Generator Section of Class Diagram

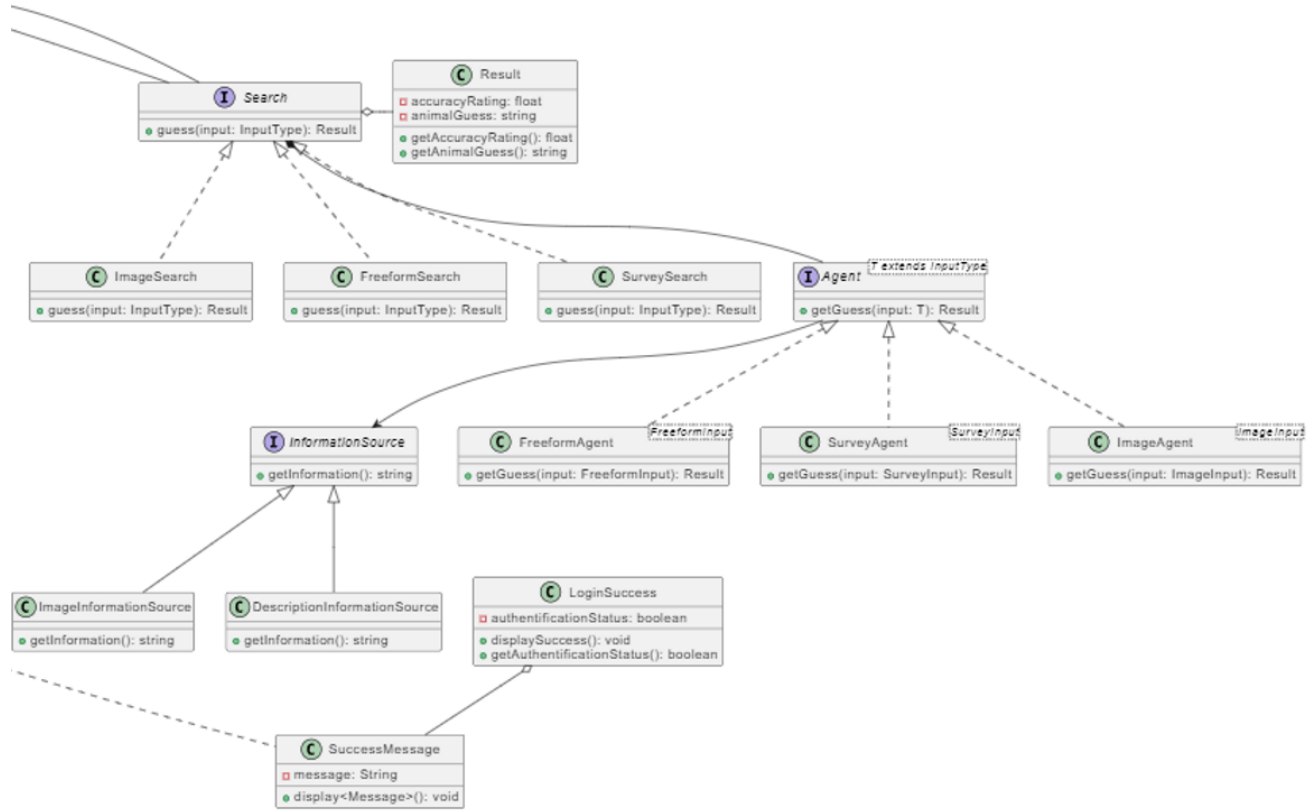
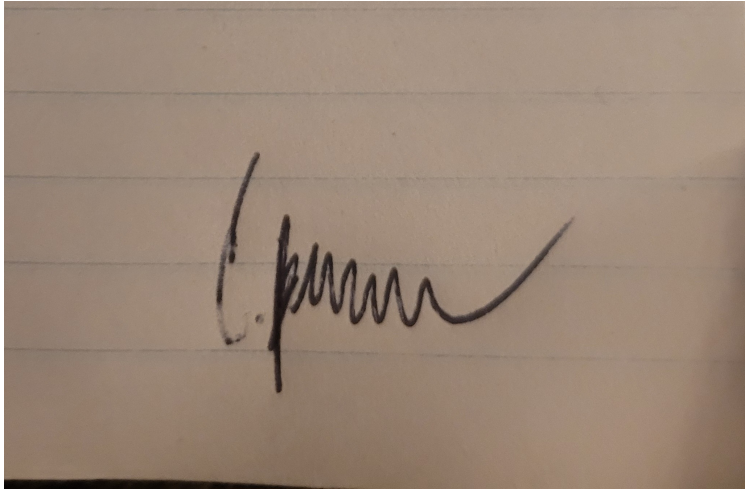


Figure 4.4: Search Section of Class Diagram

A Division of Labour

Cass Braun

- Section 4 - Class Diagram
- Finalized Formatting



Nehad Shikh Trab

- Section 3 - Log in to account Sequence Diagram
- Section 3 - Creating an account Sequence Diagram
- Section 3 - Viewing saved reports Sequeucen Diagram
- Assisted with formatting



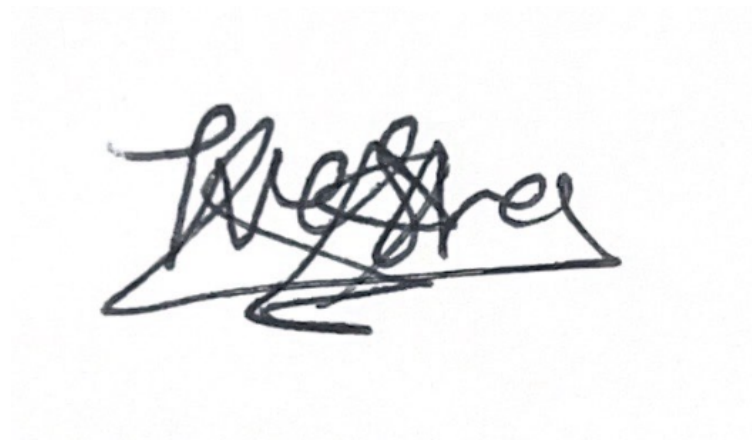
Savvy Liu

- Section 3 - Start Image Search Sequence Diagram
- Section 3 - Start Freeform Text Search Sequence Diagram
- Section 3 - Start Survey Search Sequence Diagram
- Section 3 - Combined the three different searches into one abstract search
- General formatting checks and proofreading

A stylized handwritten signature in black ink, featuring a large loop and a horizontal line extending to the right.

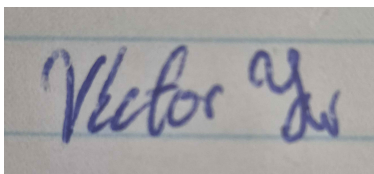
Tvesha Shah

- Section 2 - Forum Controller State Diagram
- Section 2 - Account Manager Controller State Diagram
- Section 2 - Generate Report Controller State Diagram
- Section 1.1 Purpose
- Section 1.2 System Description
- Section 1.3 Overview
- Managed github set up and assisted with formatting

A complex, stylized handwritten signature in black ink, with multiple overlapping loops and a long horizontal line at the bottom.

Victor Yu

- Section 2 - Survey Agent State Diagram
- Section 2 - Image Agent State Diagram
- Section 2 - Freeform diagram State Diagram
- Assisted with formatting, Forum State Diagram

A handwritten signature in blue ink on lined paper, reading "Victor Yu" in a cursive style.