

Deliverable #3 Template

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1 Introduction

1.1 Purpose

The purpose of this document is to provide the software development team an overall guide to the architecture of this project. This document is published to outline all the parts of the MovieFinder software and to be a reference point for the team developing the application. The intended audience of this document are the software development team of MovieFinder, as well as the professor and teaching assistants reviewing this design document.

1.2 System Description

The application MovieFinder has three main ‘screens.’ When the application is launched, the user is displayed the main menu, where they can enter the information they know about the movie. Once they submit that information, the server will then receive the query and process the query. Once the application has processed the results from the agents, the results will be sent to the client, and be displayed on the results menu. Once on the results menu, users will have the option of sorting the results by certain qualities including but not limited to rating or release date. Users can then choose a single movie to receive more information about. The server will use a universal movie database to get the information. This information takes users to the third screen, which is the information menu.

1.3 Overview

This document contains state charts for the controller classes of the application. These state charts provide a full description of the behaviour of the controller classes. Next, the design document contains the sequence diagrams. These sequence diagrams illustrate the flow of information from class to class under different scenarios. Lastly, this document shows the detailed class diagrams required to develop the MovieFinder. The detailed class diagrams provide a blueprint for the classes and their methods, as well as how they are connected to each other.

2 State Charts for Controller Classes

This section should provide a state chart for each controller class for your application.

3 Sequence Diagrams

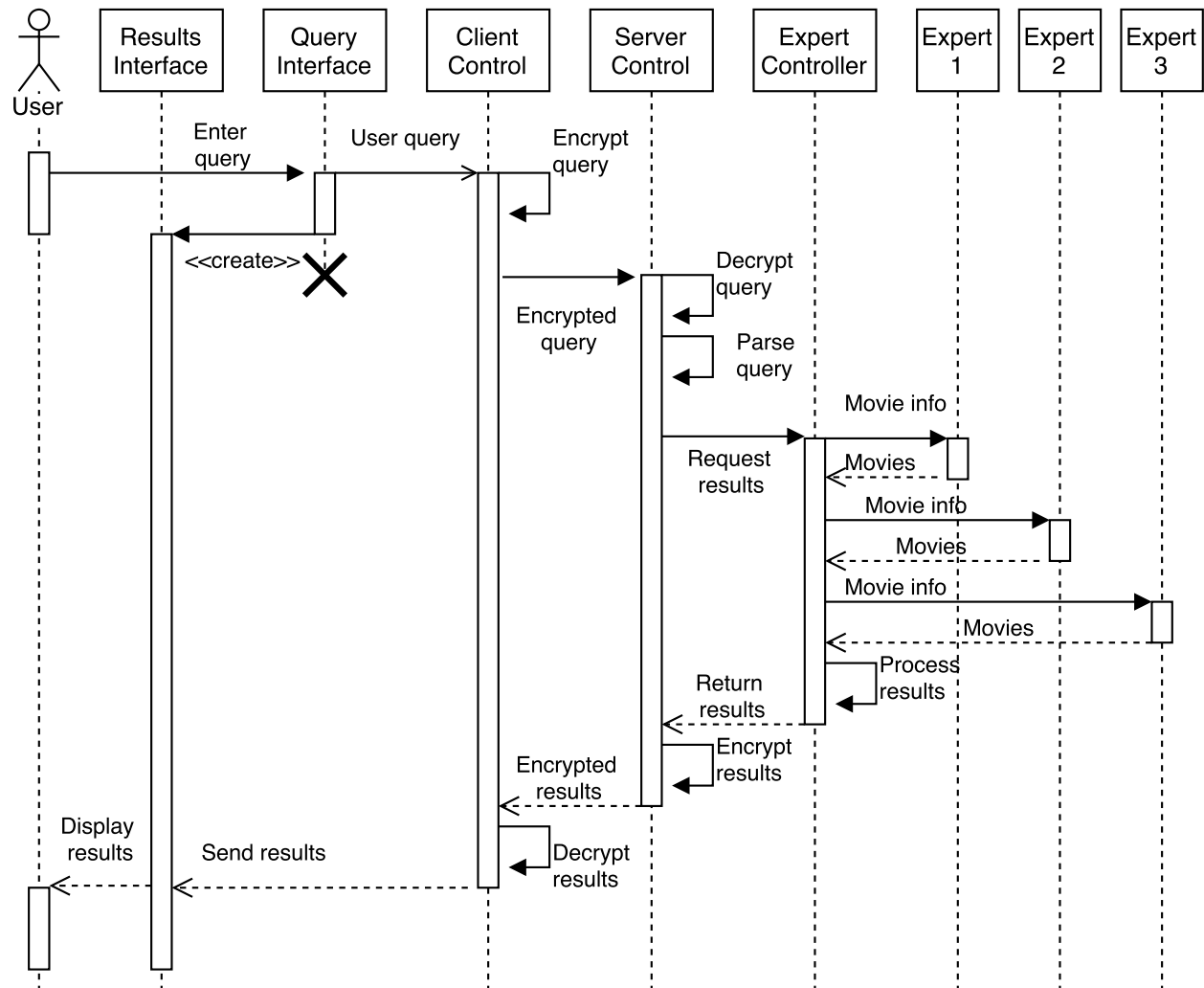


Figure 1: Sequence diagram for entering a query

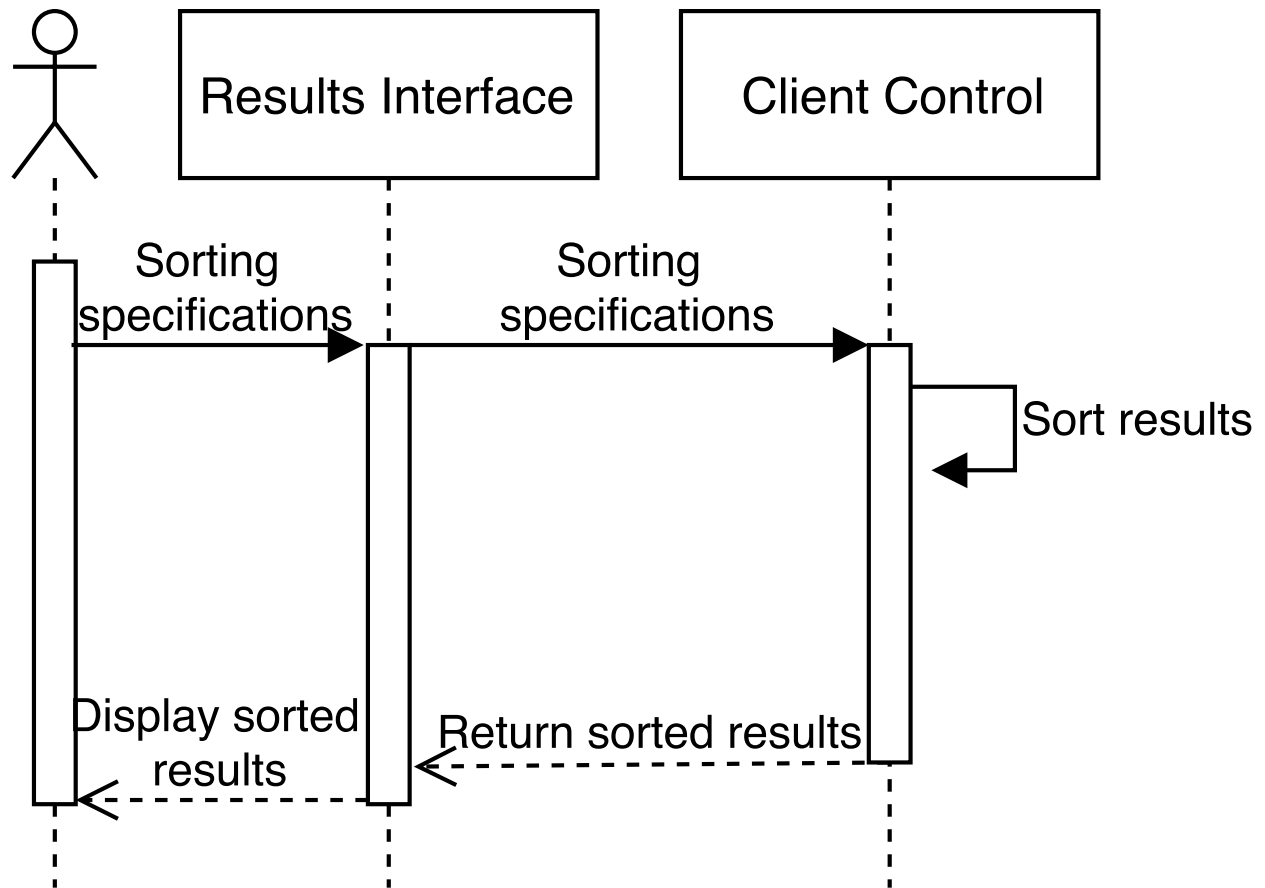


Figure 2: Sequence diagram for sorting the results

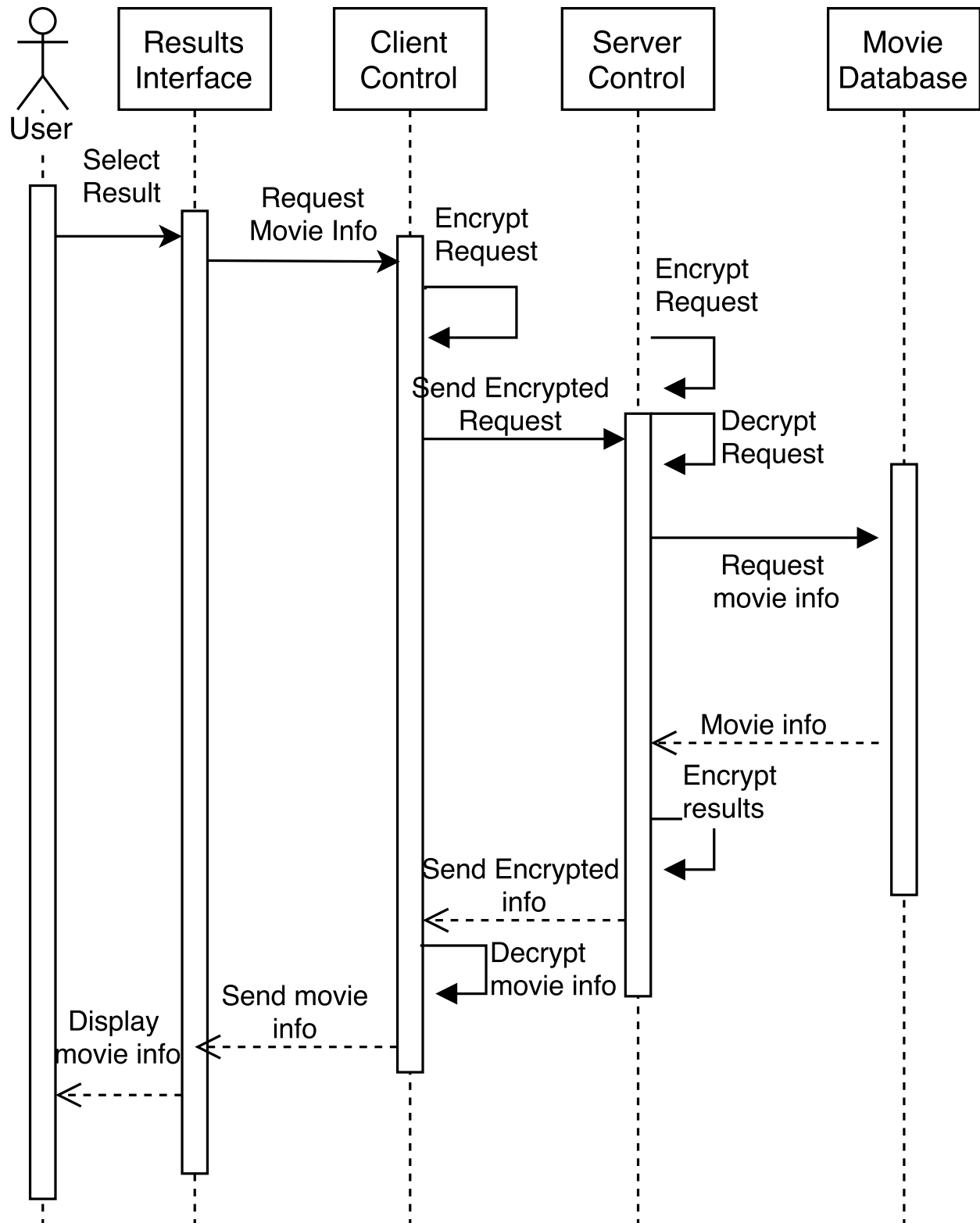


Figure 3: Sequence diagram for viewing individual movie information

4 Detailed Class Diagram

This section should provide a detailed class diagram for your application.

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

A Division of Labour

Contributions			
Name	Student Number	Contribution	Signature
Joshua	1311940	Detailed Class Diagrams	
Keyur	1311559	Introduction & Sequence Diagram	
Justin	1305257	Sequence Diagrams	
Bilal			
Shaad			
Abdullah			