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.
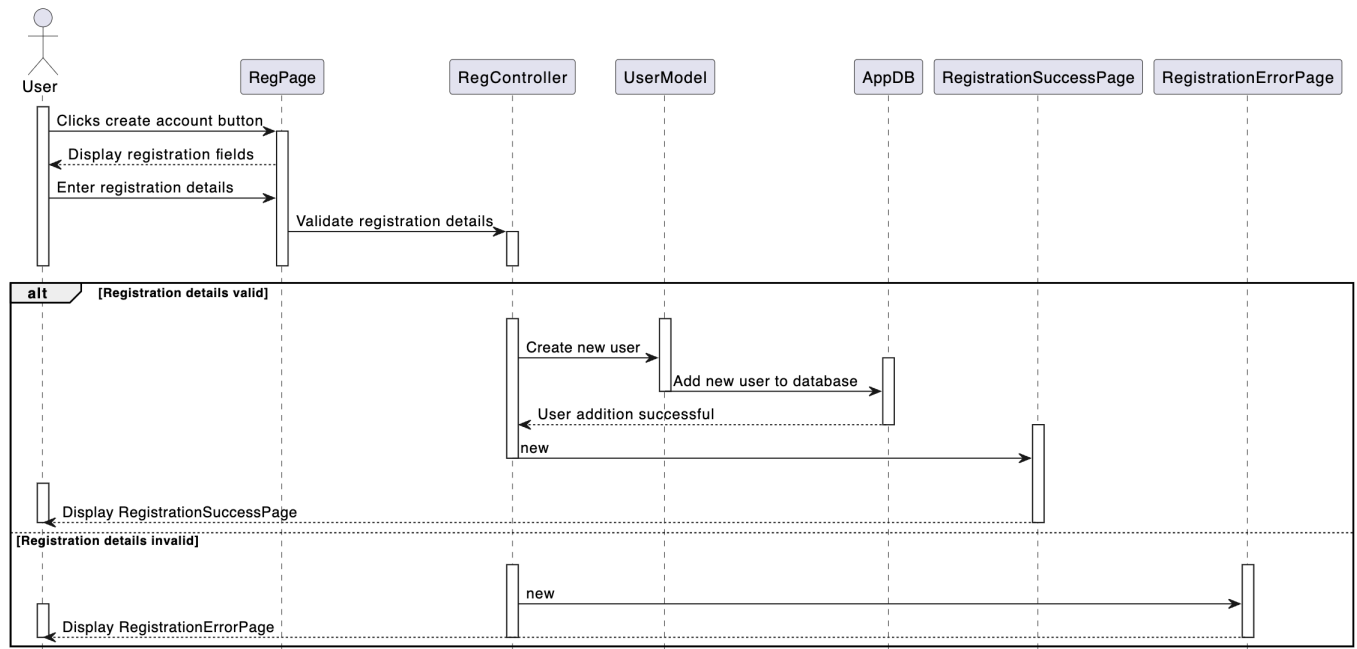
1.3 Overview

a) Describe what the rest of the document contains

b) Explain how the document is organised
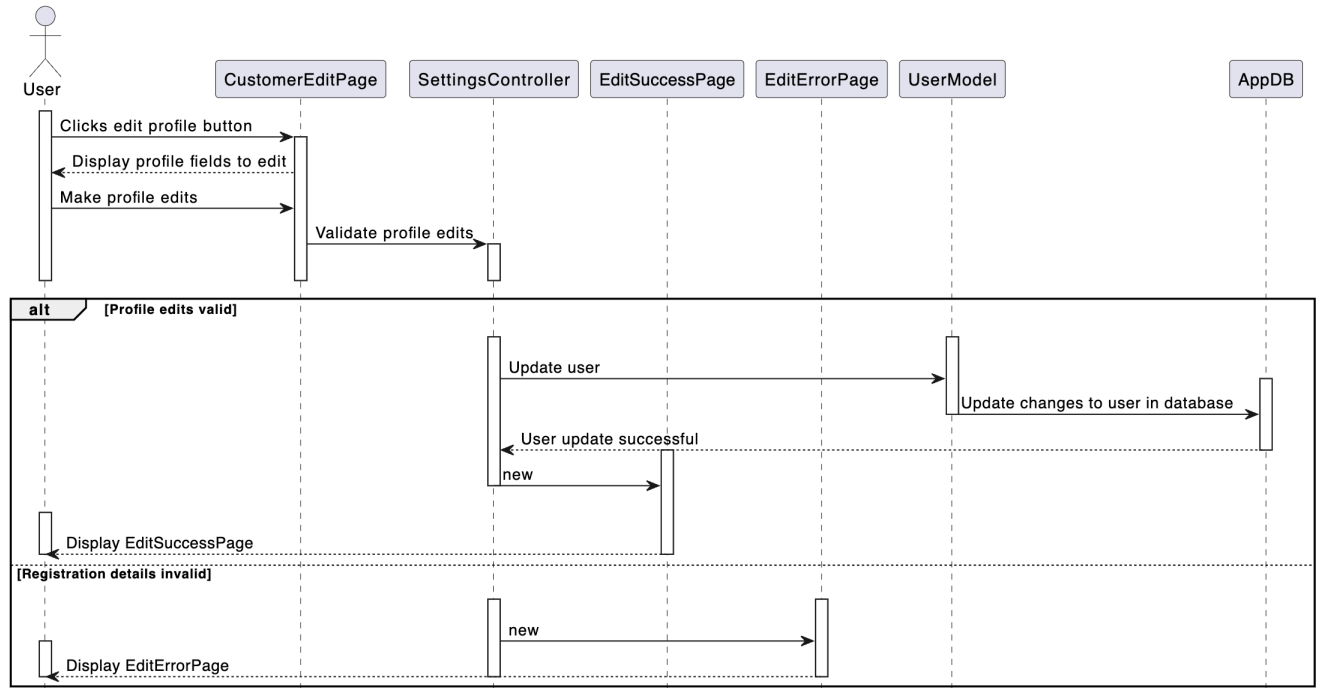
2 State Charts for Controller Classes

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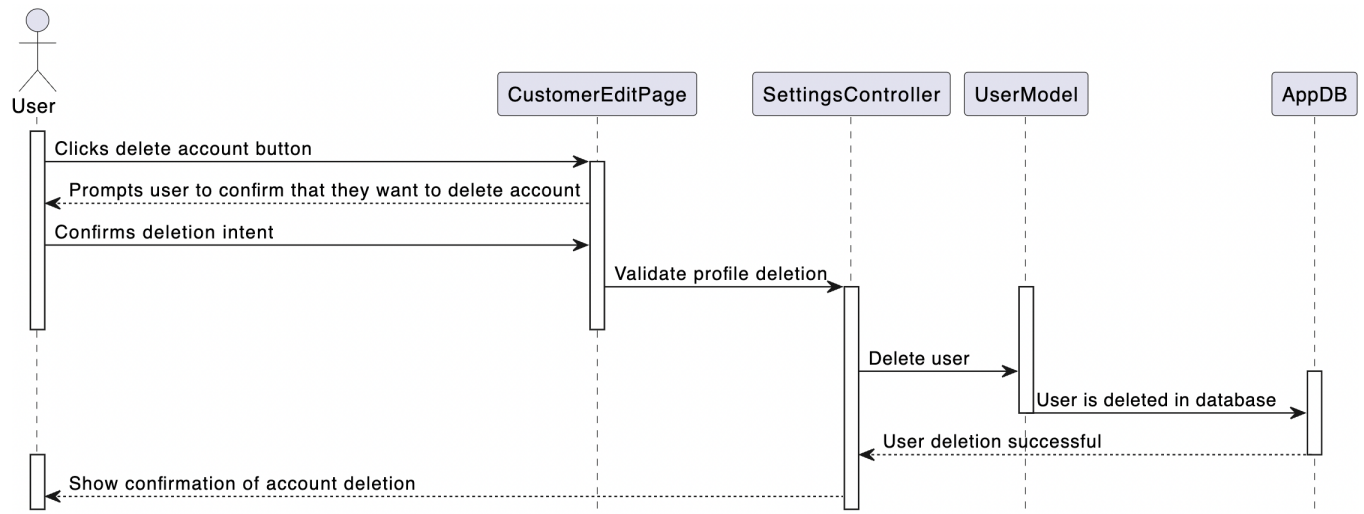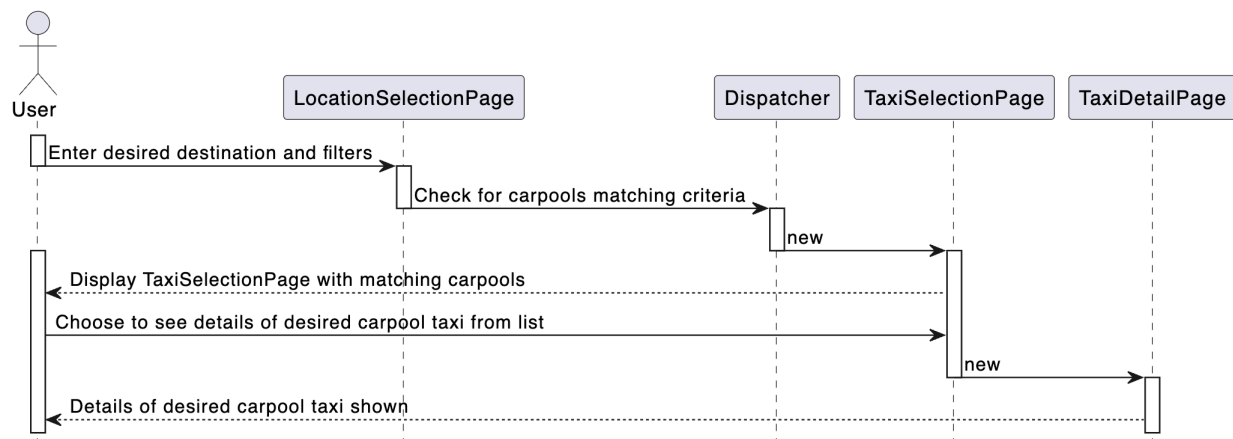
3 Sequence Diagrams

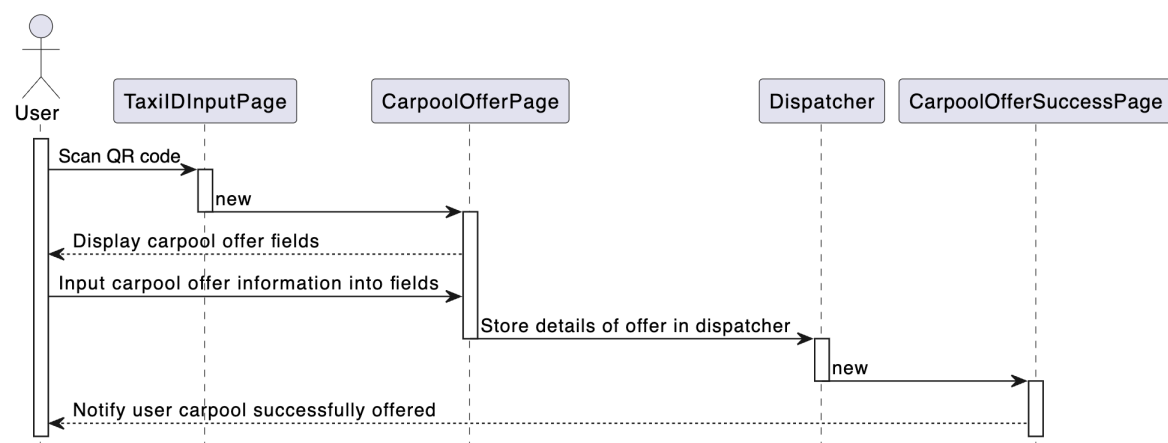## Use Case: User Creates Account

Use Case: User Edits Profile

Use Case: User Deletes Account

User

CustomerEditPage | SettingsController | UserModel | AppDB

Clicks delete account button

Prompts user to confirm that they want to delete account

Confirms deletion intent

Validate profile deletion

Delete user

User is deleted in database

User deletion successful

Show confirmation of account deletion

Use Case: Taxi Carpool is Requested

User

LocationSelectionPage | Dispatcher | TaxiSelectionPage | TaxiDetailPage

Enter desired destination and filters

Check for carpools matching criteria

new

Display TaxiSelectionPage with matching carpools

Choose to see details of desired carpool taxi from list

new

Details of desired carpool taxi shown

Use Case: Taxi Carpool is Offered

User

TaxiIDInputPage | CarpoolOfferPage | Dispatcher | CarpoolOfferSuccessPage

Scan QR code

new

Display carpool offer fields

Input carpool offer information into fields
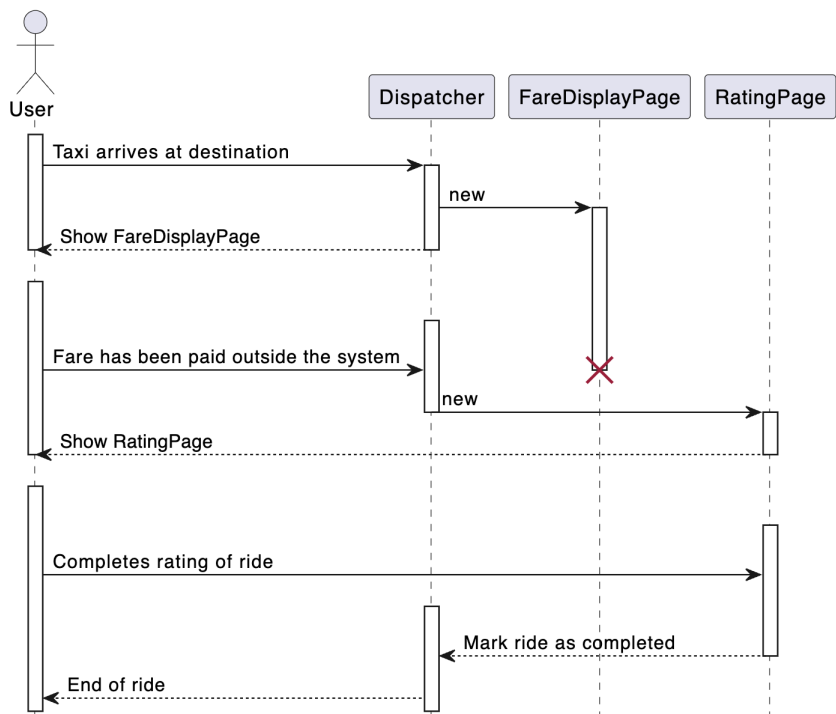
Store details of offer in dispatcher

new

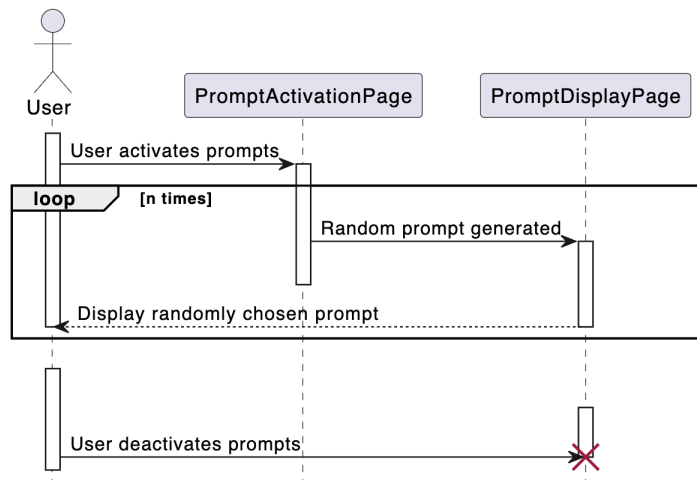Notify user carpool successfully offered

Use Case: Requester Chooses Match, Offerer Accepts Match
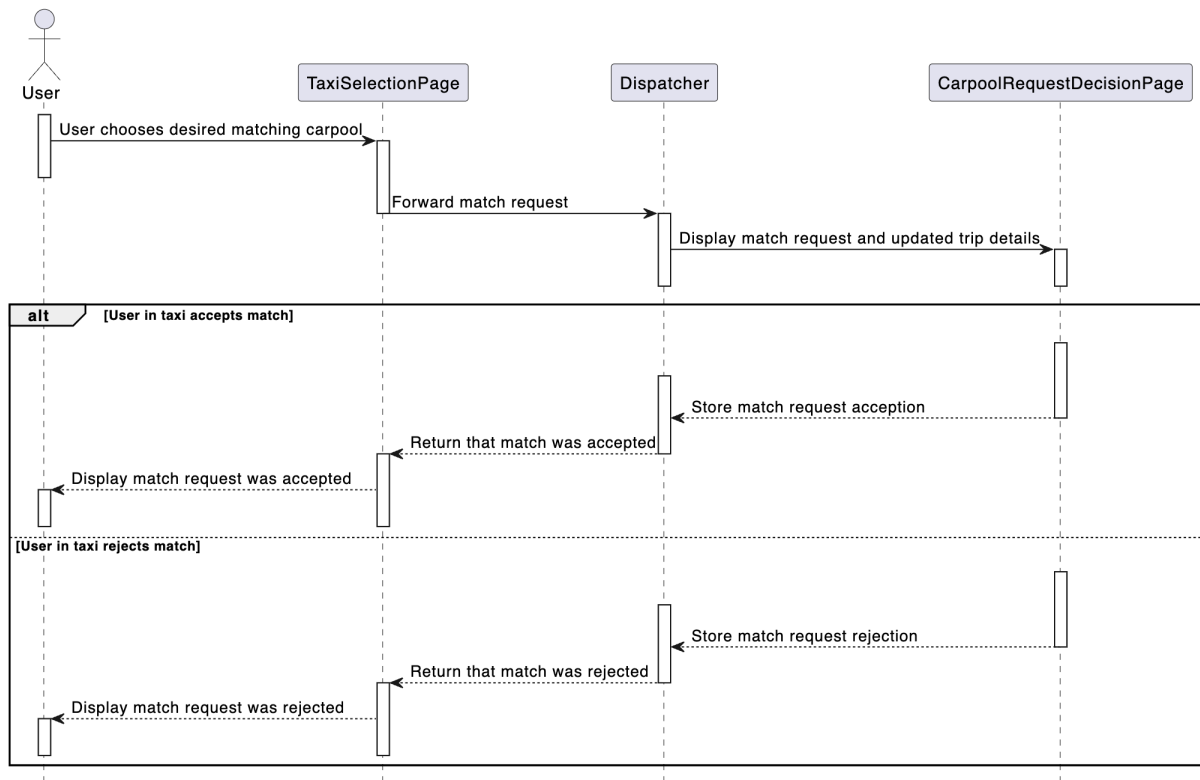
Use Case: Taxi Carpool Arrives at Destination

Use Case: Carpoolers Activate Prompts

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 <u>NOT</u> 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 <u>NOT</u> have a Division of Labour sheet, your deliverable will <u>NOT</u> be marked