Technical Design Document

Project Name: **CULTUROFESTO**

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**Introduction:**

Cultrofesto is created to meet the needs of online event booking system, with 2 actors: Admin and Customer. The architecture implemented is Spring Boot Micro services.

**Functional Requirements:**

The functional requirements of the project are:

**For the Admin:**

* Login
* Add an event
* Delete/Cancel an event
* View events
* View Customers

**For the User:**

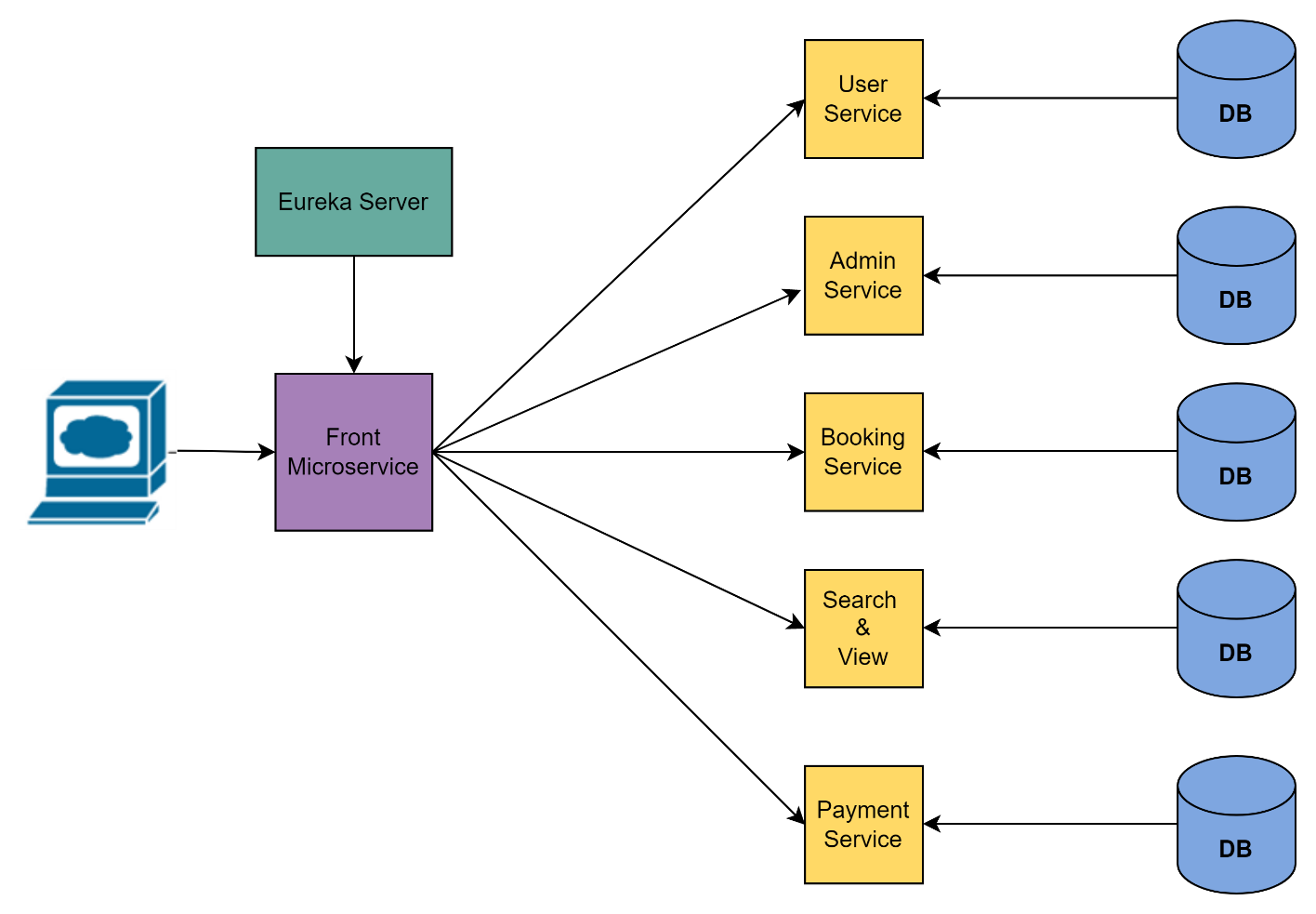
* Login/Register
* Search events
* Create Booking
* Make Payment
* View Bookings
* View Booking Details
* Cancel Booking
* Give Feedback

**Micro-Services**

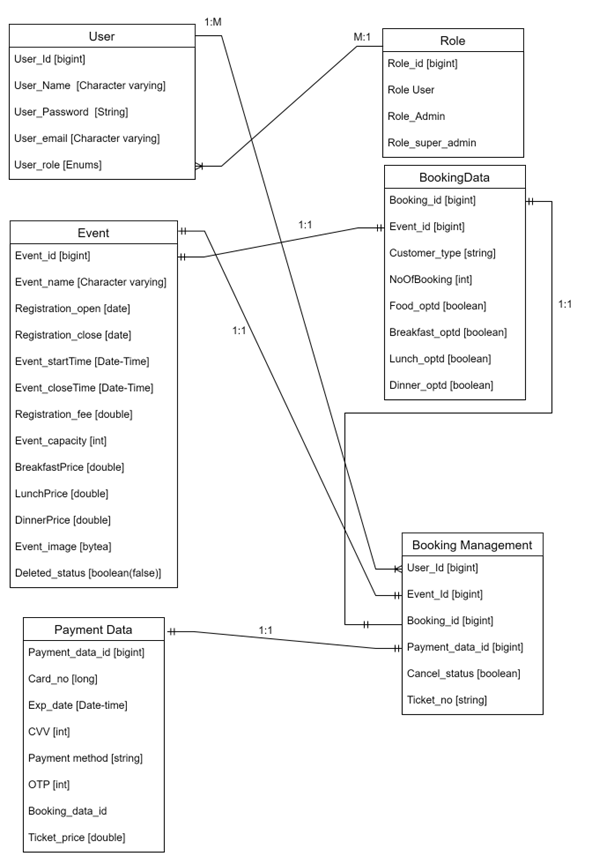
The different micro-services in which this project is divided into are:

* **Customer Service:** Register a new account and login (as a customer) and login (as the admin)
* **Admin Service:** Insert a new event, cancel or delete an existing event
* **Booking Service:** Create a new booking, cancel an existing booking, download ticket
* **Search and View Service:** View customers (as the admin), view all events (as the admin), explore events (as a customer), view existing bookings, view booking details
* **Payment Service:** Make a payment for the booked tickets after validating credentials
* **Feedback Service:** Provide rating and feedback (as a customer)

**Overall Architecture Diagram:**



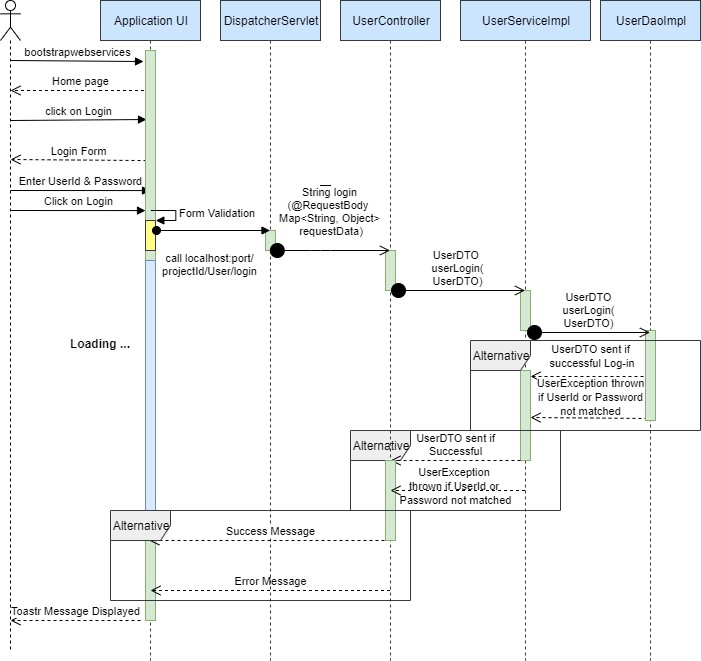
**Overall Entity Relationship Diagram:**



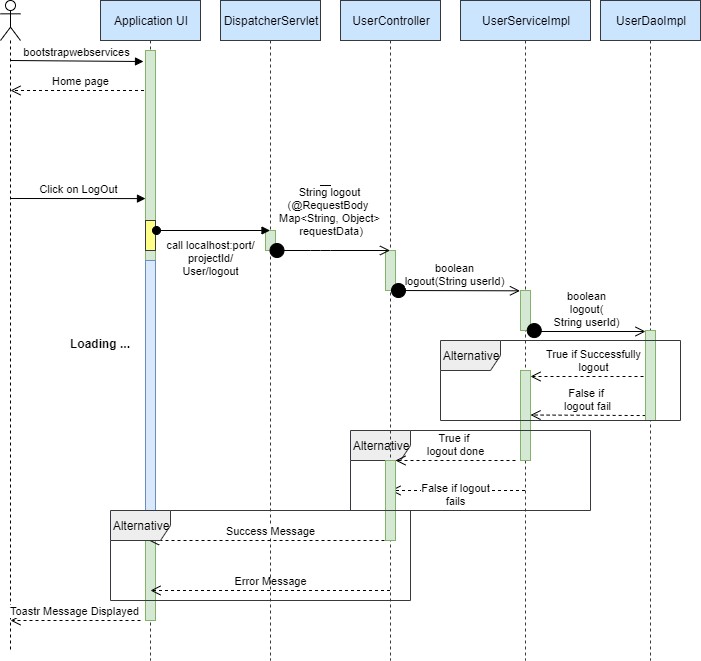
# Sequence Diagrams

**Customer Service:**

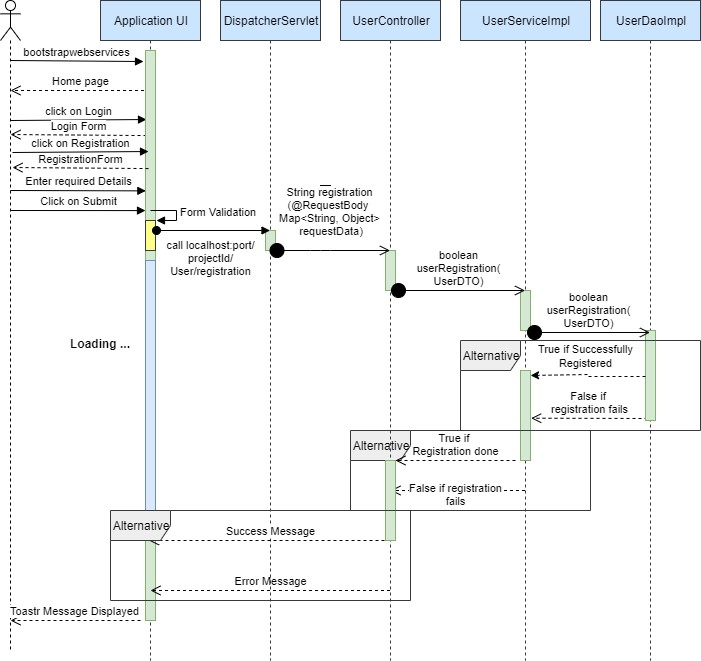
**Login –**



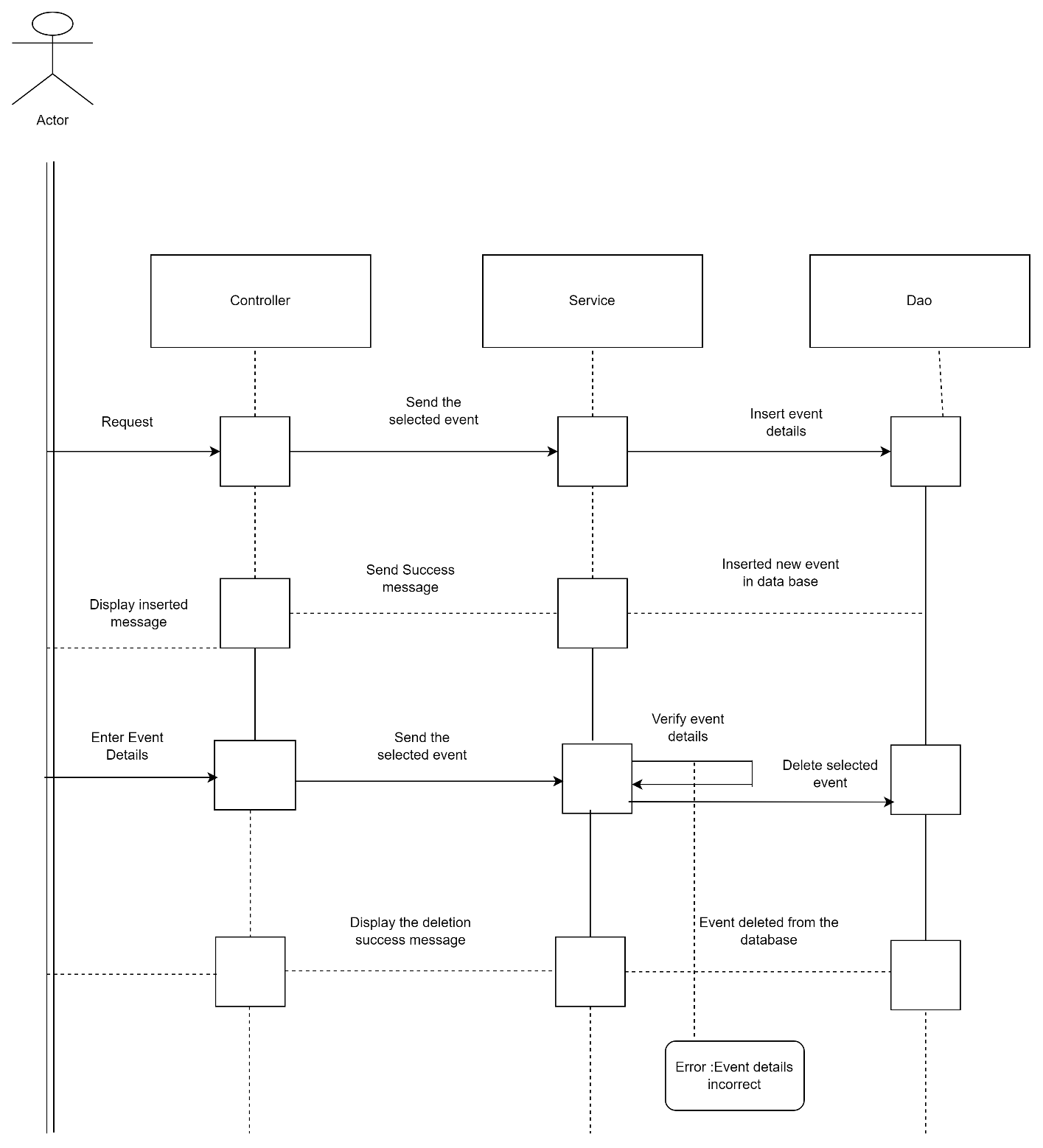
**Registration of new User -**



**Logout -**

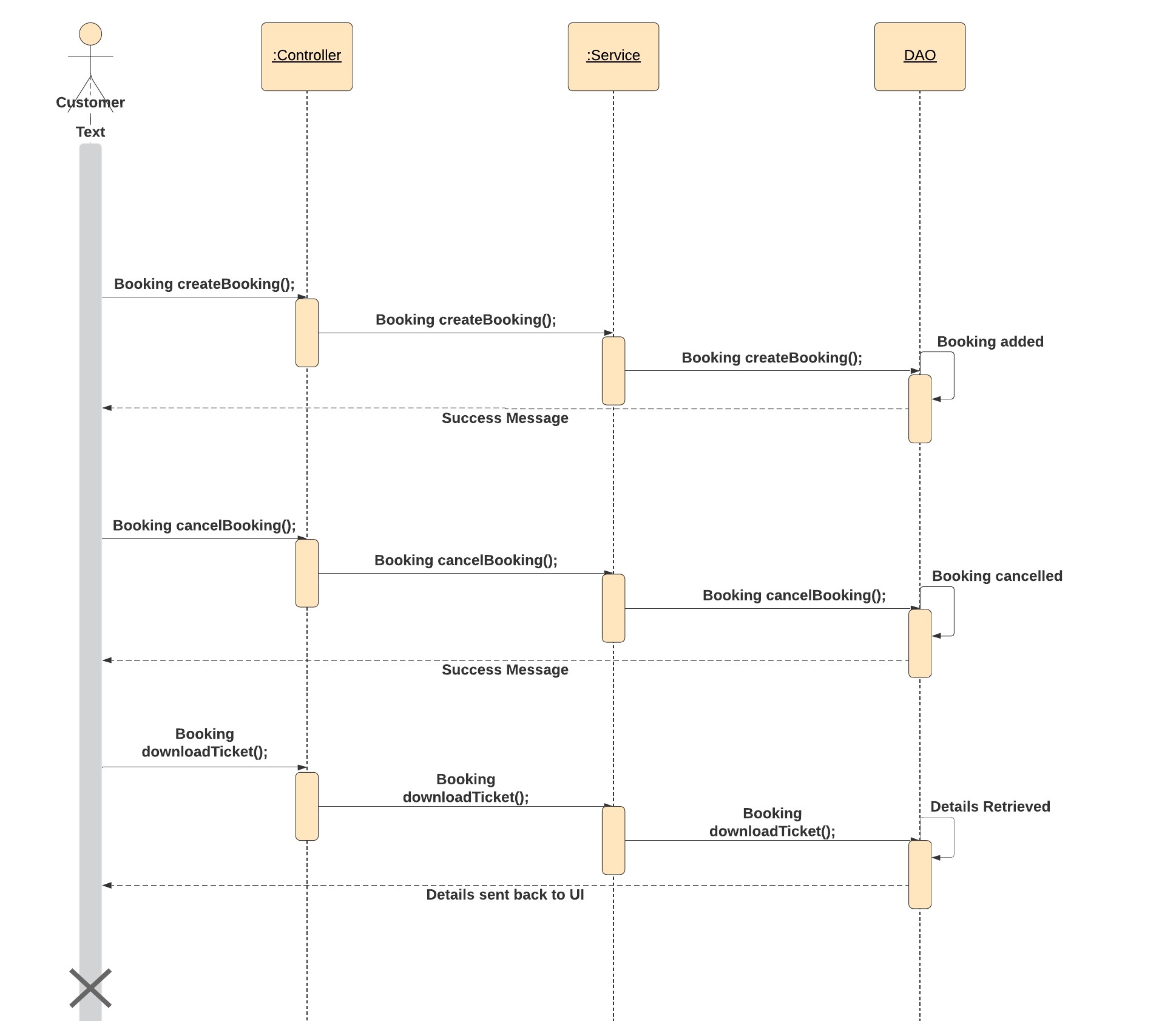


**Insert and Delete Event:**



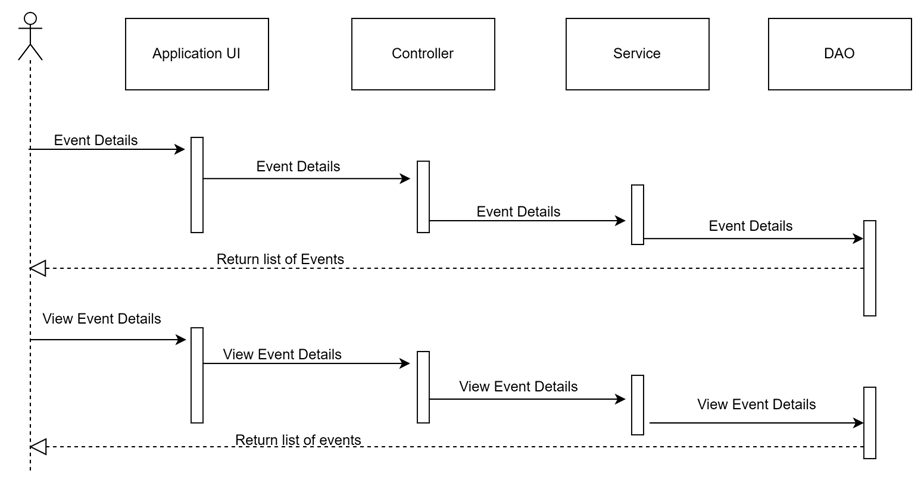
**Booking Service:**

**Create booking, cancel booking, and download ticket:**

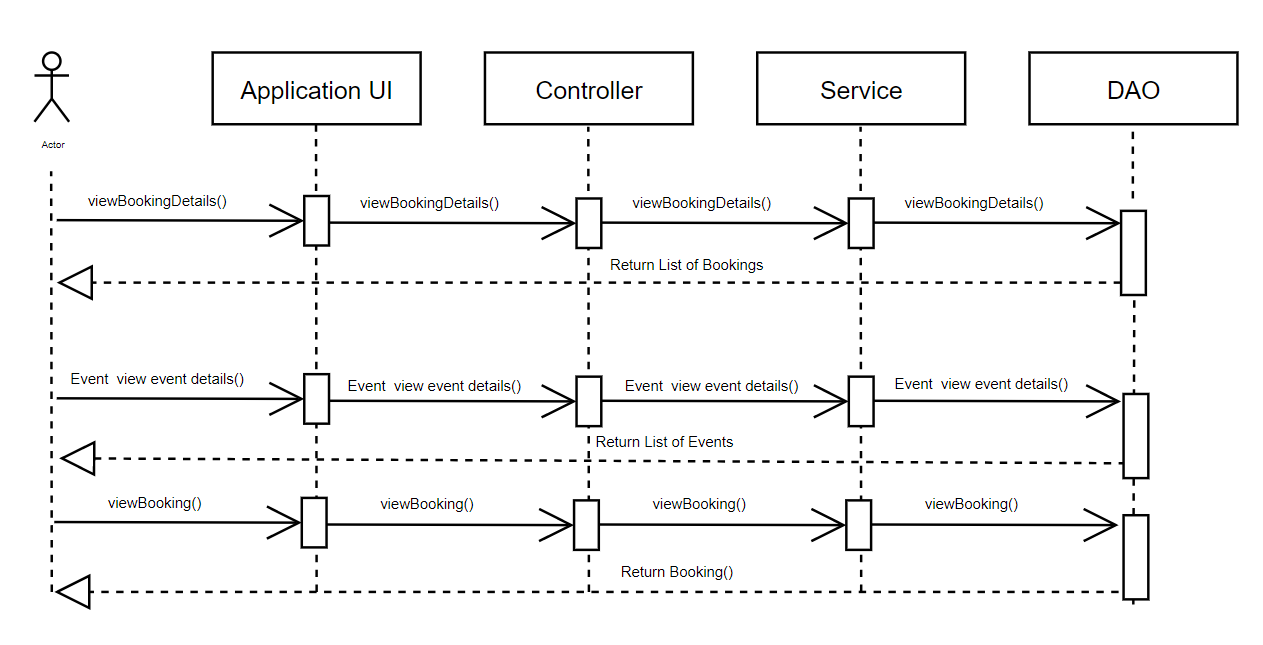


**Search and View Service:**

**For the Admin:**



**For the customer:**

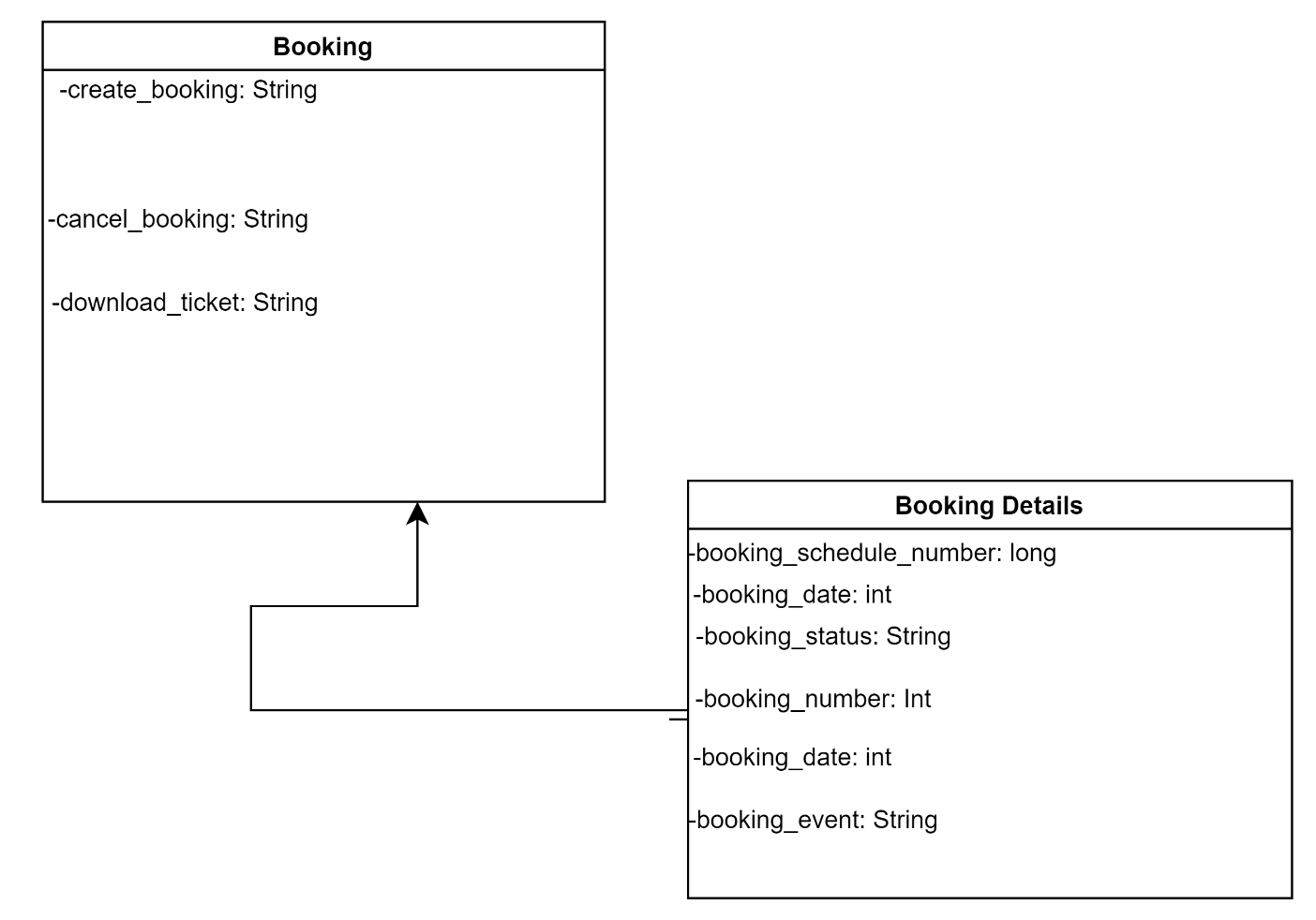


# Class Diagrams

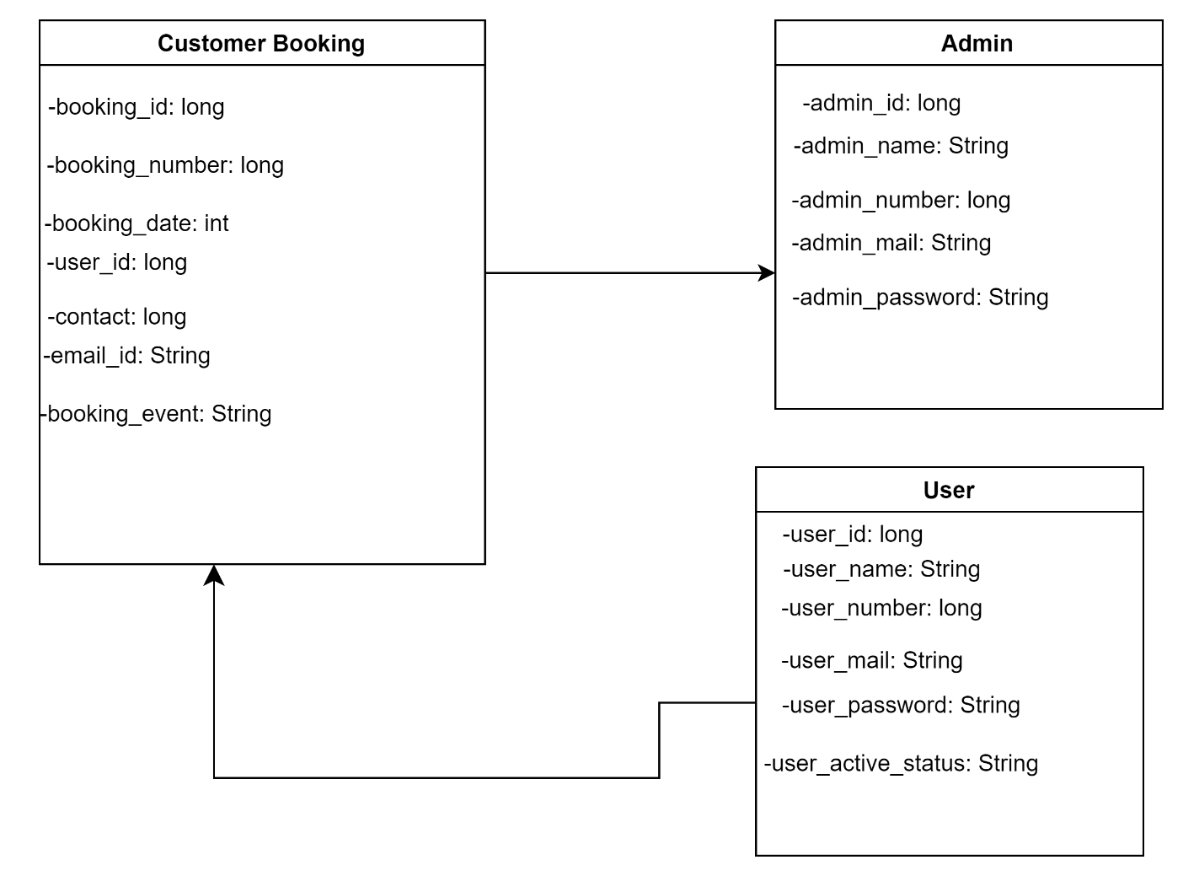
Customer Service:



Booking Service:

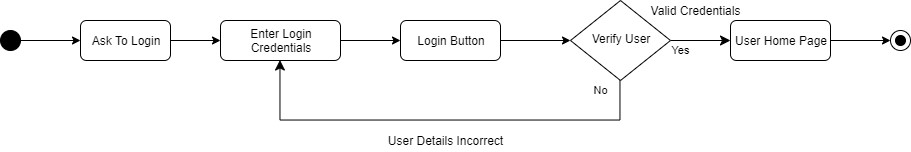


Search and View Service:

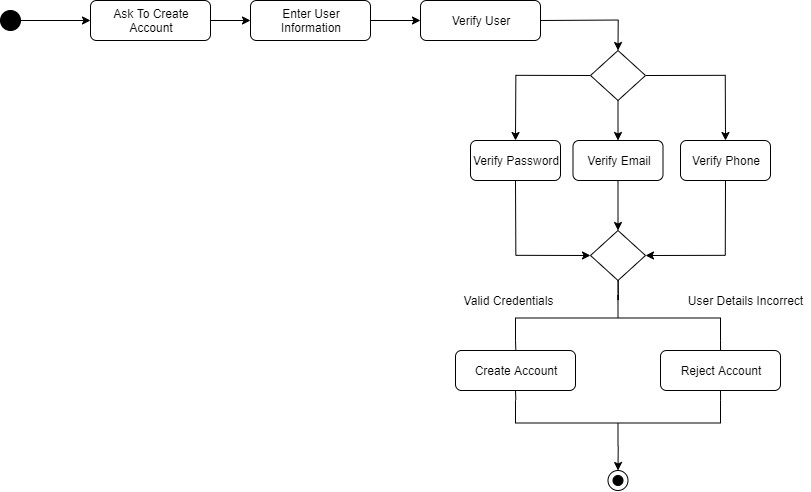


# Activity Diagrams

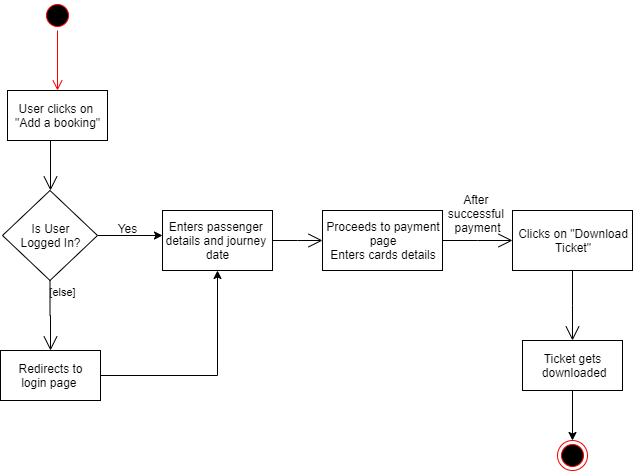
**Login:**



**Registration:**

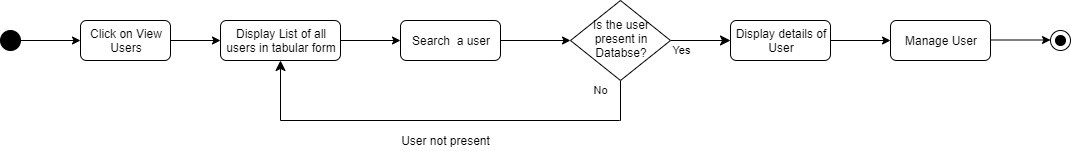


Booking Service:

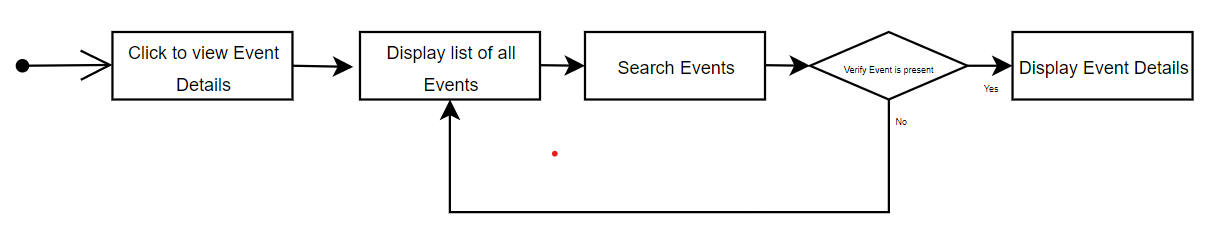


Search and View Service:

**View Users:**

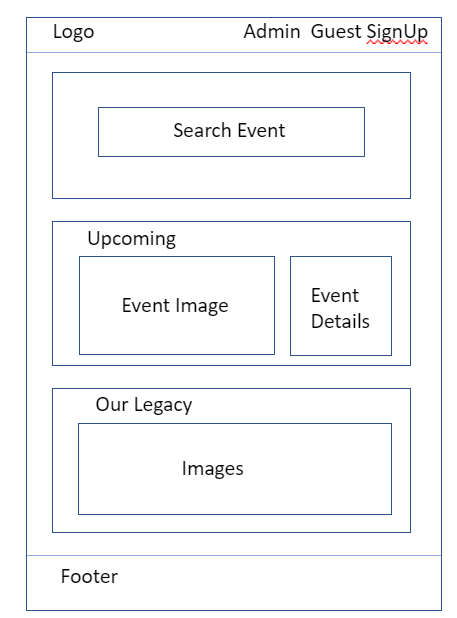


**View Event Details:**

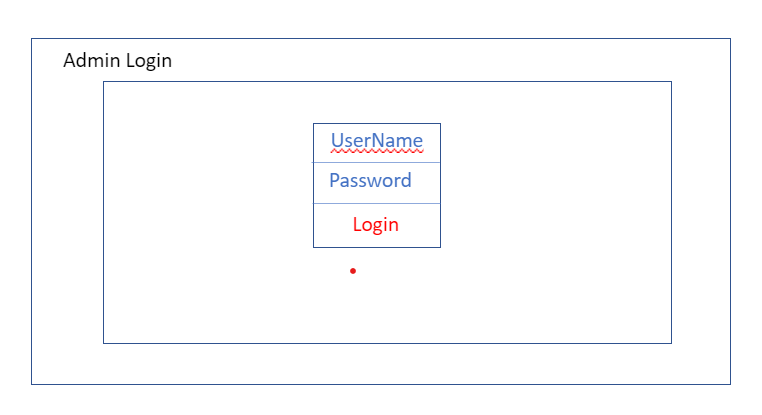


# Wireframes

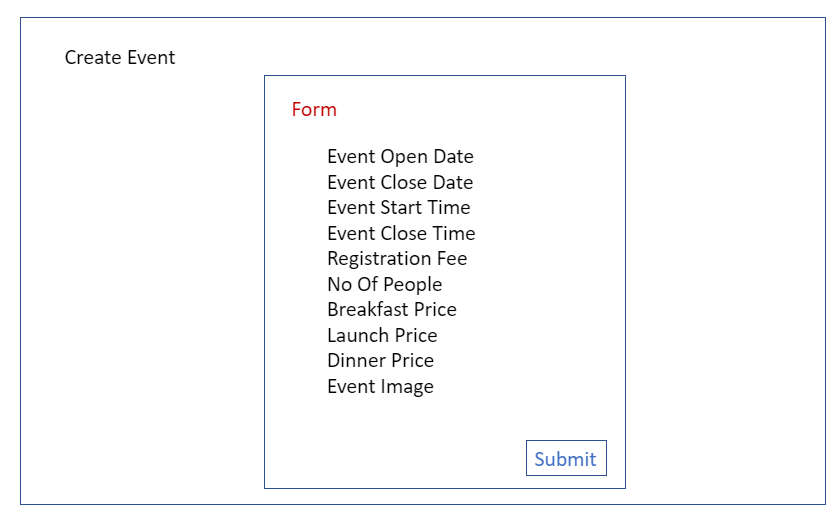
**HomePage:**



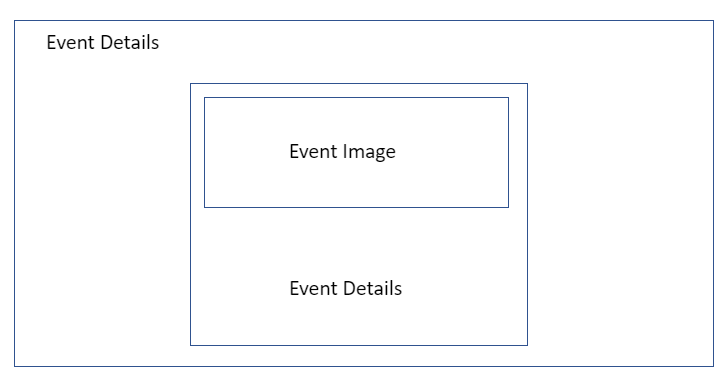
**Admin Login Page:**

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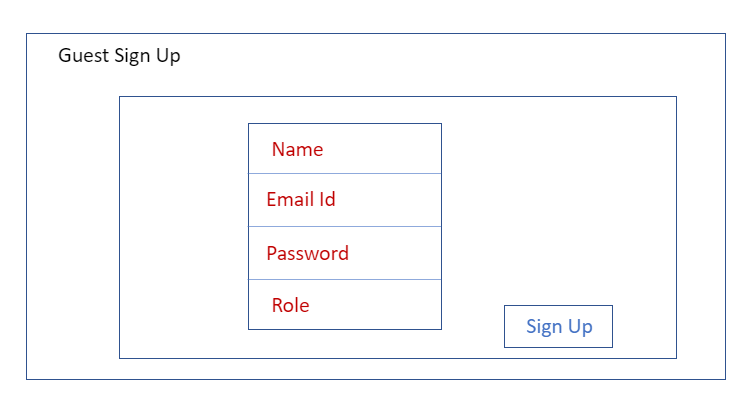
**Admin Create Event Page:**



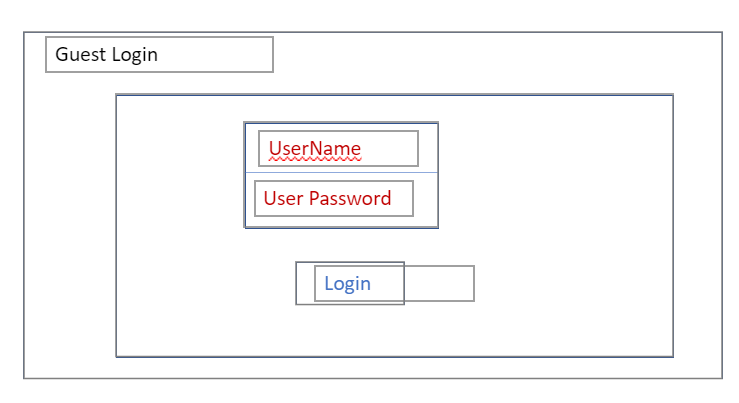
**Admin Event Details Page:**



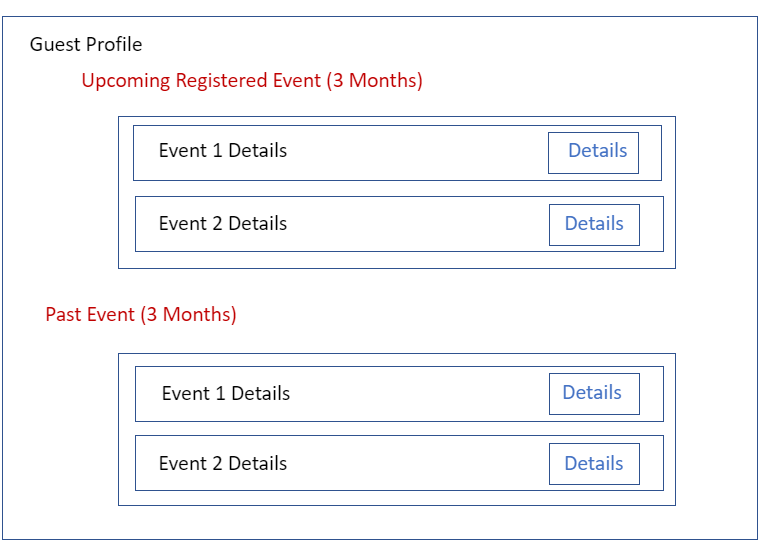
**Customer SignUp Page:**



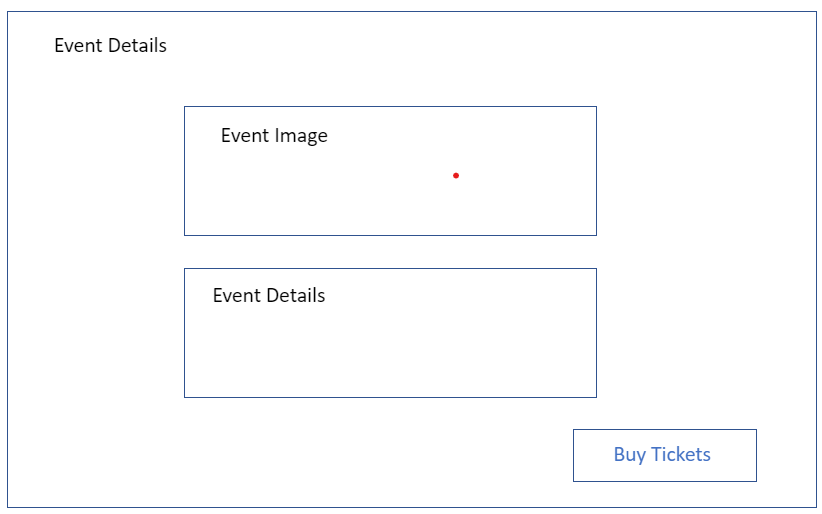
**Customer Login Page:**



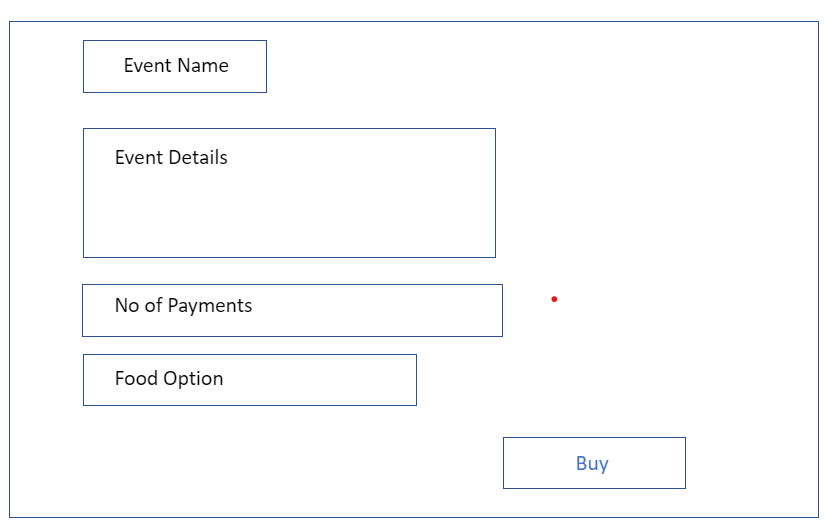
**Customer Profile Page:**



**Event Details and Payment Page:**



**Buy Tickets Page:**



**Payment Page:**

