JEDI2.0-GROUP-D-FLIPKART-PROJECT

lipFit

THE ONLINE GYM BOOKING PORTAL

EMPOWERING FITNESS ENTHUSIASTS IN BANGALORE

STAKEHOLDERS

Flipkart

SPONSORS

Amit Kumar Balyan

SME

Ballimpalli Padmaja Purushottam

Sharath Ramesha

COORDINATORS

OUR TEAM

Sukhvir Kaur

Tushar Maliwal

Apoorv Singh

Arsh Dinesh Vijayvargiya

Geetika Jhanji

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INTRODUCTION

Flipkart's Venture into Fitness

Seamless Experience for Gym Bookings

UI and Backend Design for Beta Launch

PROBLEM STATEMENT

Design a UI and a backend system for a new enterprise application that Flipkart is launching, FlipFit. Flipkart is partnering up with gyms across Bangalore to enter into the fitness space. For the Beta launch the requirements are as follows:

Main Features

- Multiple centers in Bangalore
- Fixed time slots and seat availability
- Admin inputs slot info
- User operations: Register, View, Book
- This slide outlines the core challenges and requirements of FlipFit, emphasizing the need for a solution to manage gym bookings effectively.

User Stories

Admin

View gym centre(s)
View oym owner(s)
View/Handle pending approvals

Customer

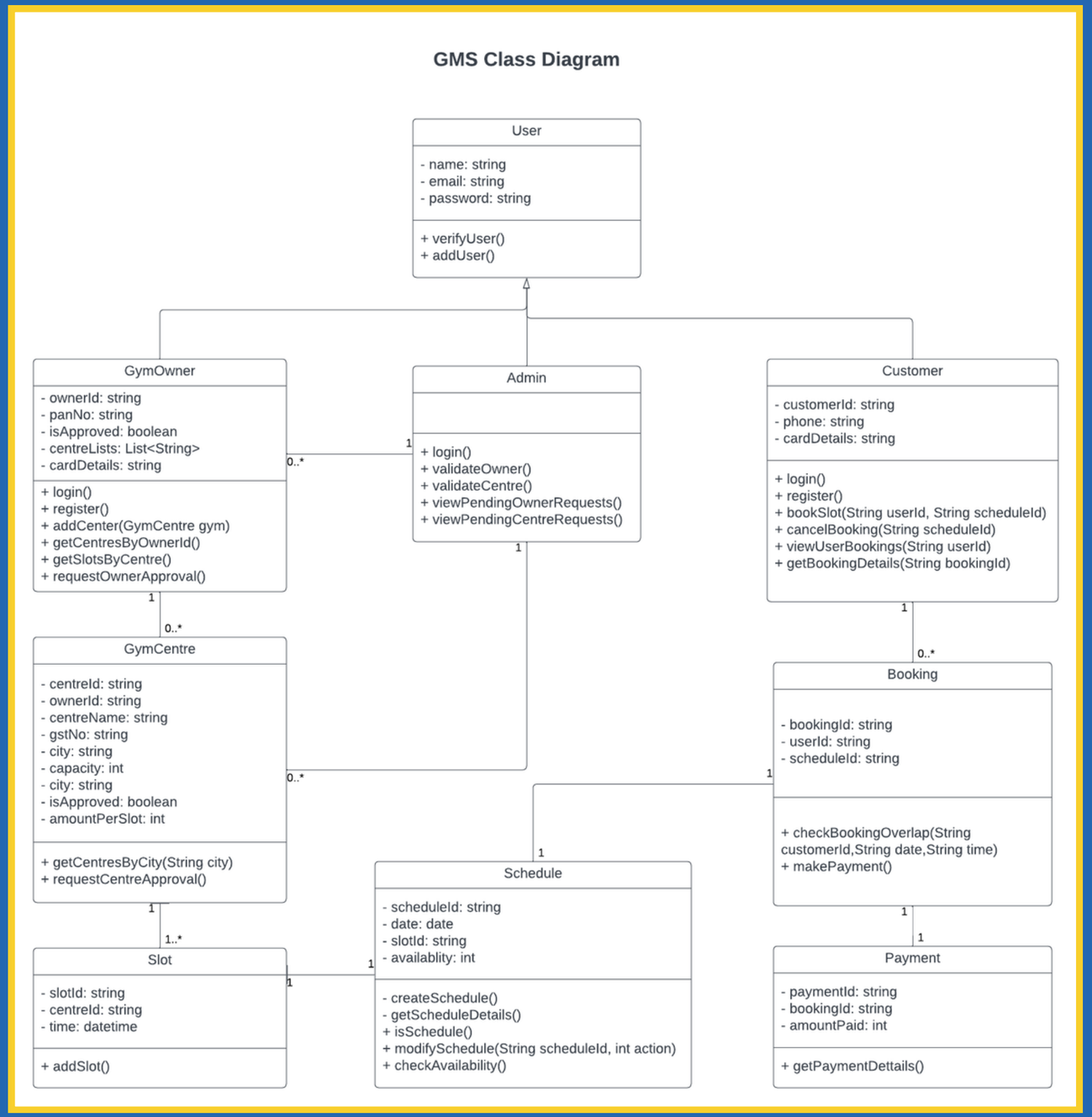
View all gym centres
View suitable slot
View my bookings
Book a slot
Cancel booking

GymOwner

View My gym Centres
Add new gym Centres
Add slots in gym Centres
Request admin approval for centres

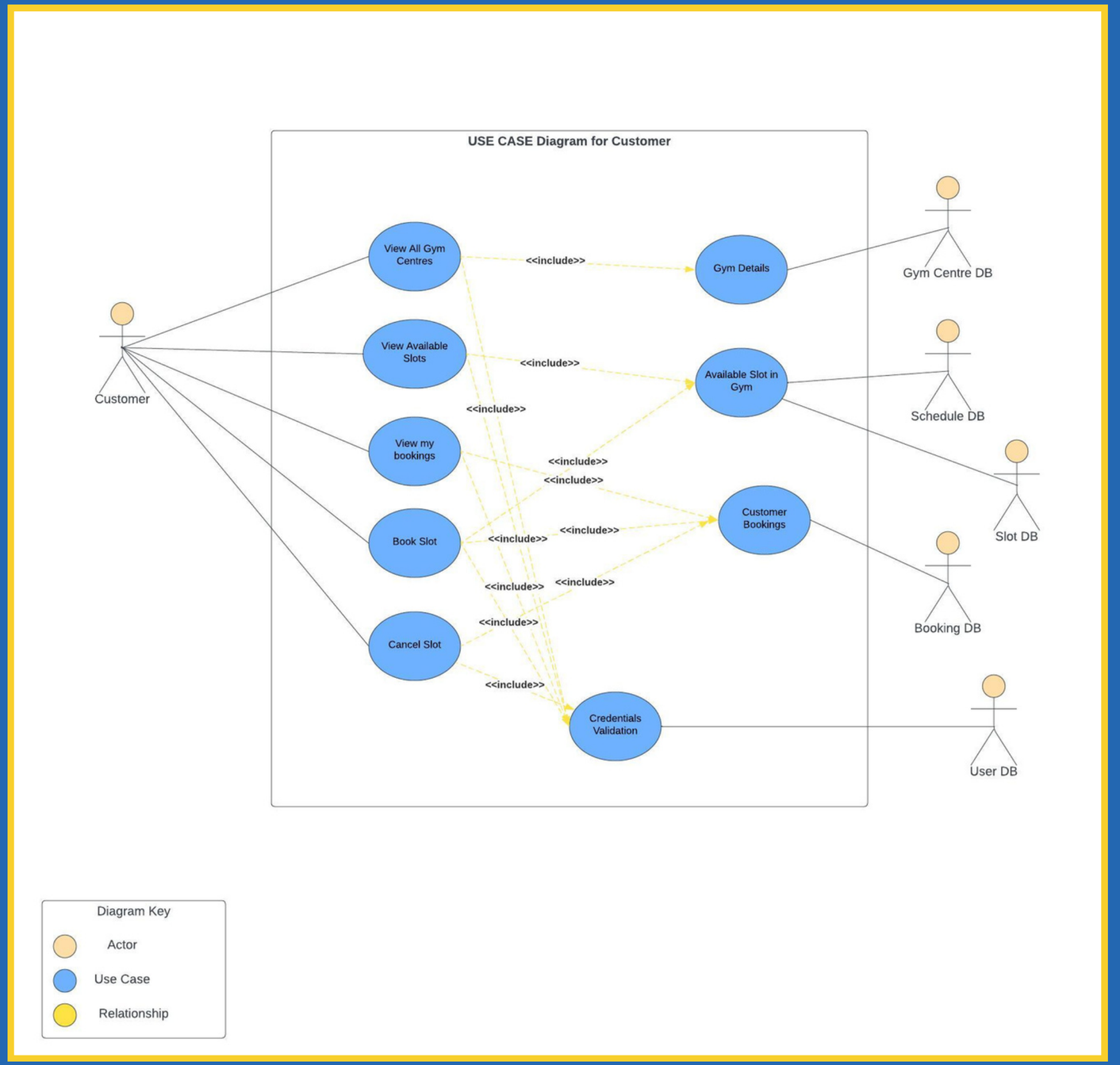
PROPOSED SOLUTION ARCHITECTURE

CLASS DIAGRAM



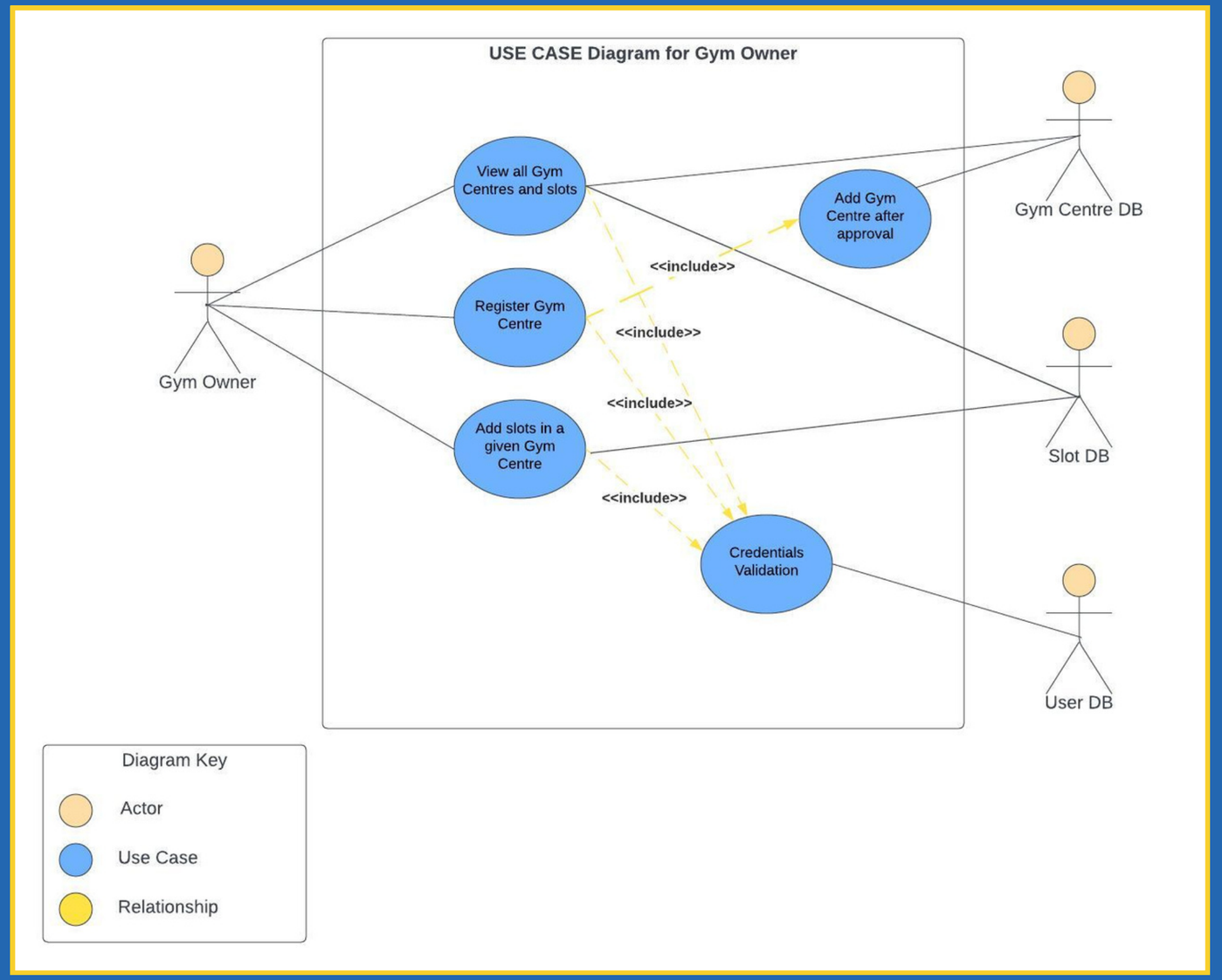
USE CASE DIAGRAM

For Customer



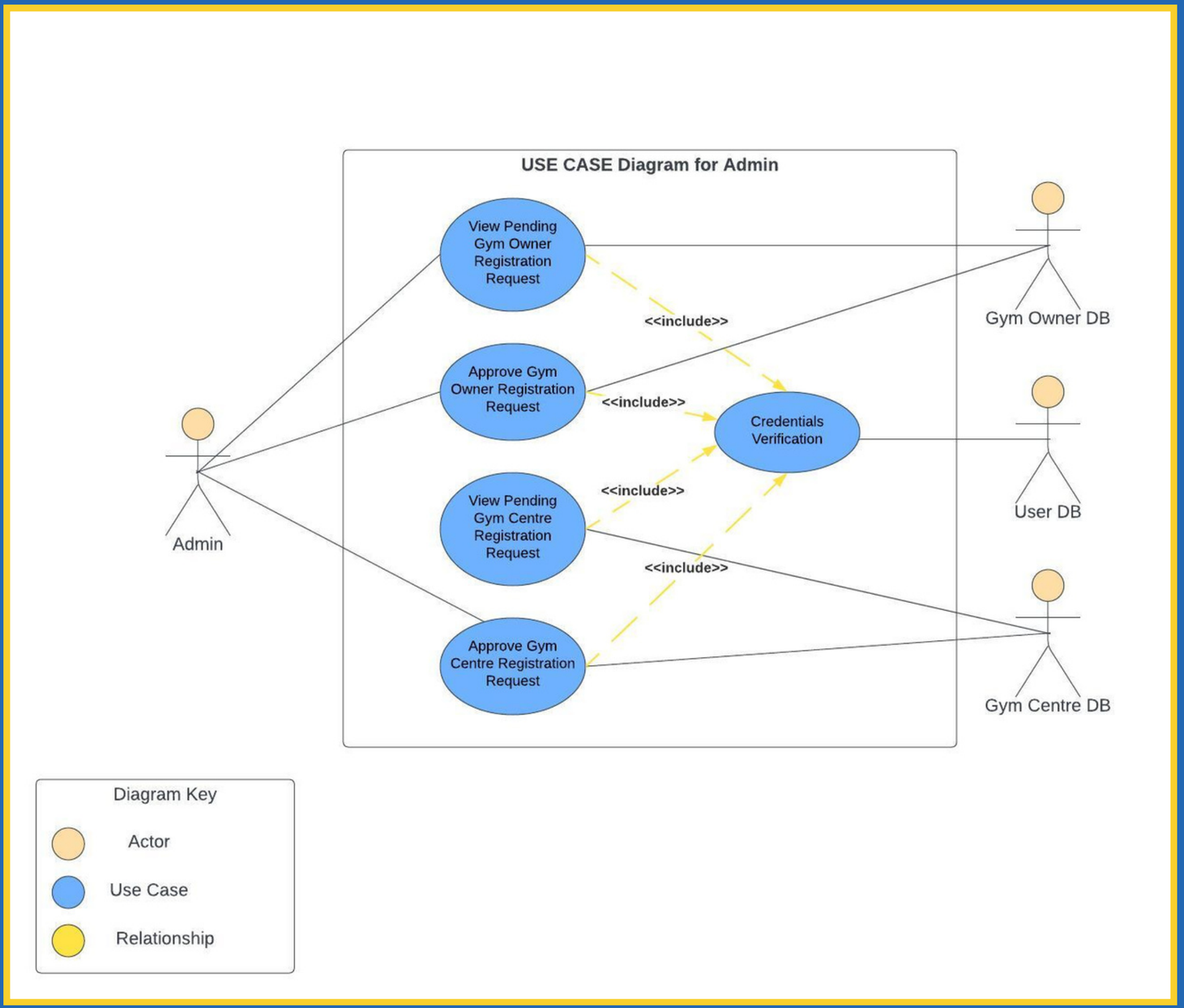
USE CASE DIAGRAM

For Gym Owner



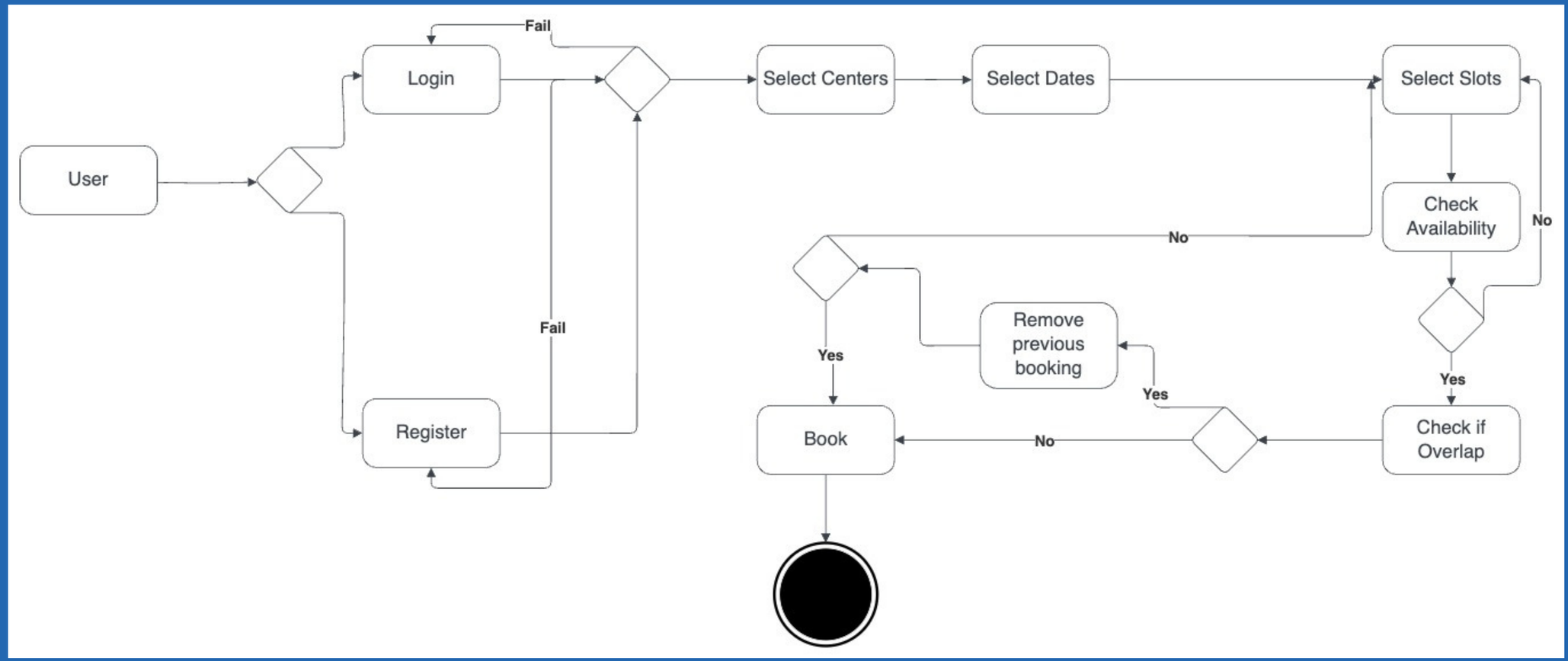
USE CASE DIAGRAM

For Admin



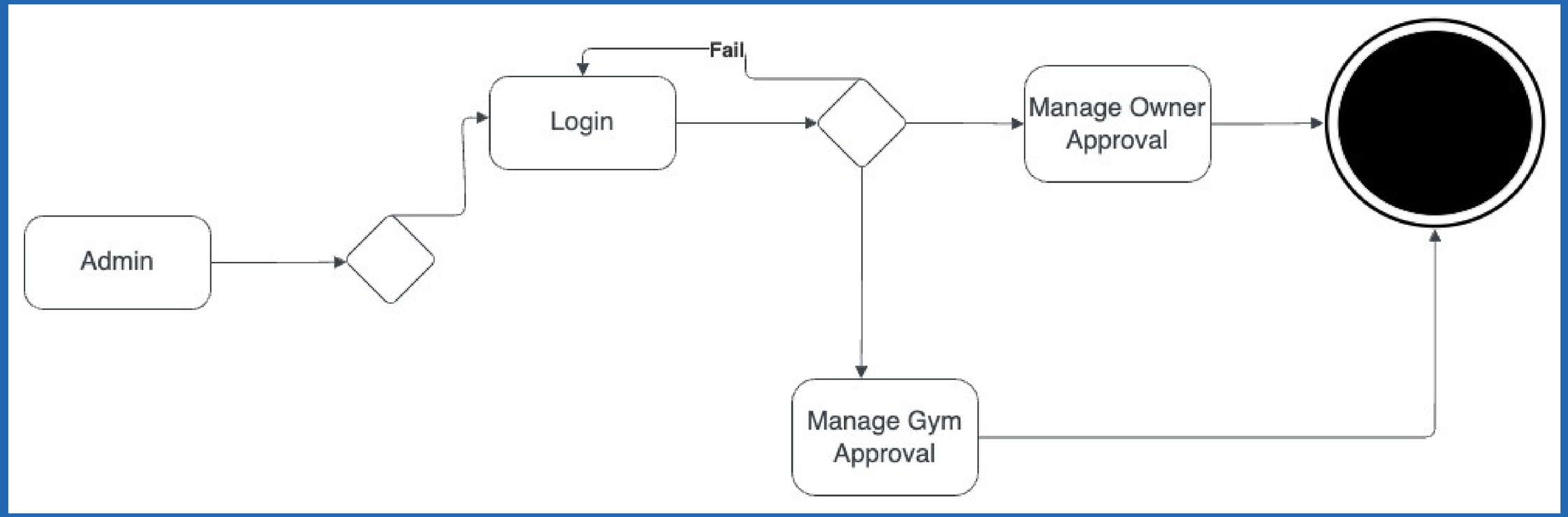
ACTIVITY DIAGRAM

For Customer



ACTIVITY DIAGRAM

For Admin



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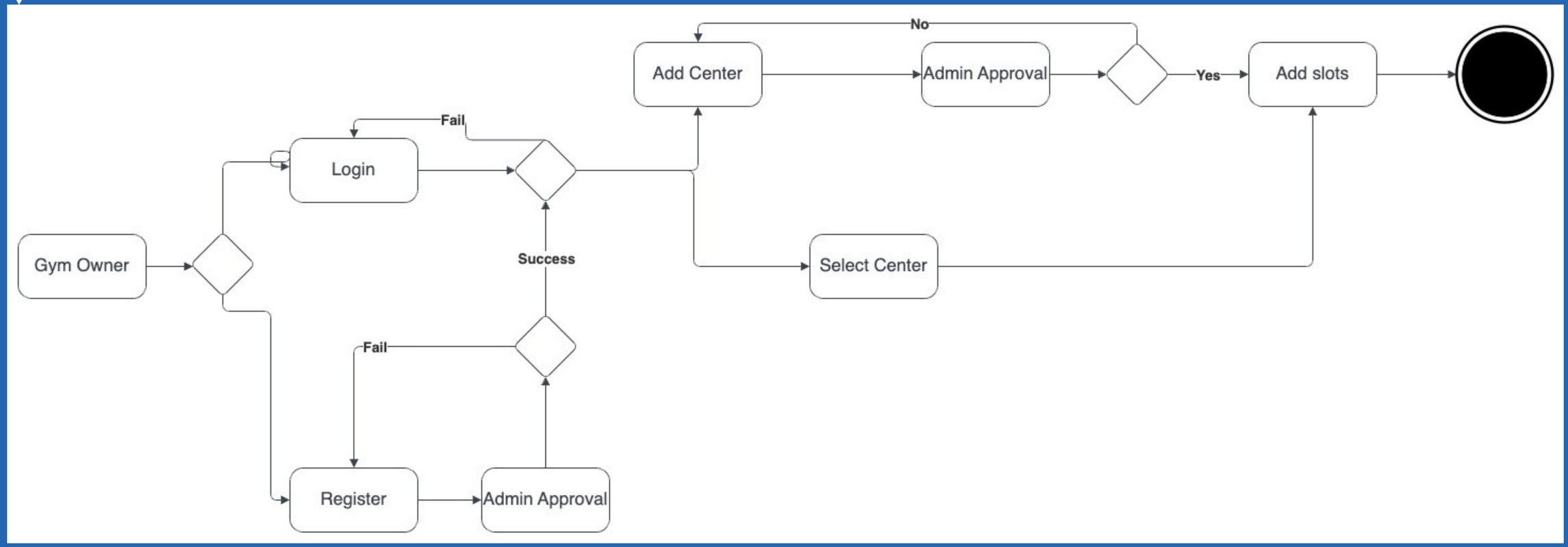
For Gym Owner



WORK PROGRESS

Client

The client refers to the end-users or systems that interact with the application.

Business

The business layer is a logical layer in an application that contains the business logic rules.

Validation

Checking the validity of data before it is processed or stored.

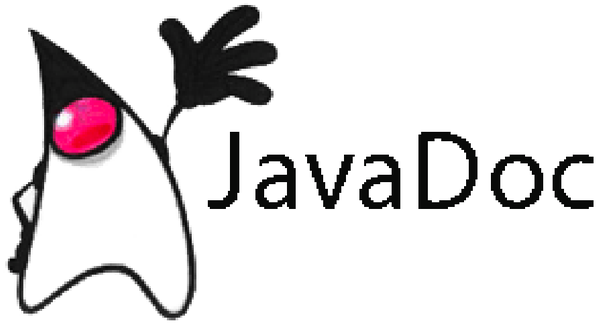
Exception Handling

Exceptions are used to handle error conditions that may arise during program execution.

ADDITIONAL FEATURES

1. Implemented Booking Overlap checks
2. Getting User Plans for specific days
3. Reduced redundancy with dynamic schedules

TECH STACK



Future Enhancements

WAITLIST

Once the seats get filled up, there is a waiting list. Also notify waitlisted candidates that he/she has been promoted

ADDING AUTHORISATION

Ensuring that only authenticated and authorized users can access certain resources or perform specific actions.

NEAREST TIME SLOT IMPLEMENTATION

Return the nearest time slot for the same date/workout/center combination, keeping in mind his other booked slots

LOAD BALANCER

Use different servers based on traffic and route them using load balancer.

THANK YOU