

# FLIPFIT

Team C Group Leader -Madhu  
Bajpai



# FrameWork for 1 Week

25  
%

Make Daily Targets

25  
%

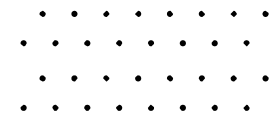
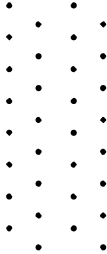
Learn New Topics &  
Technologies

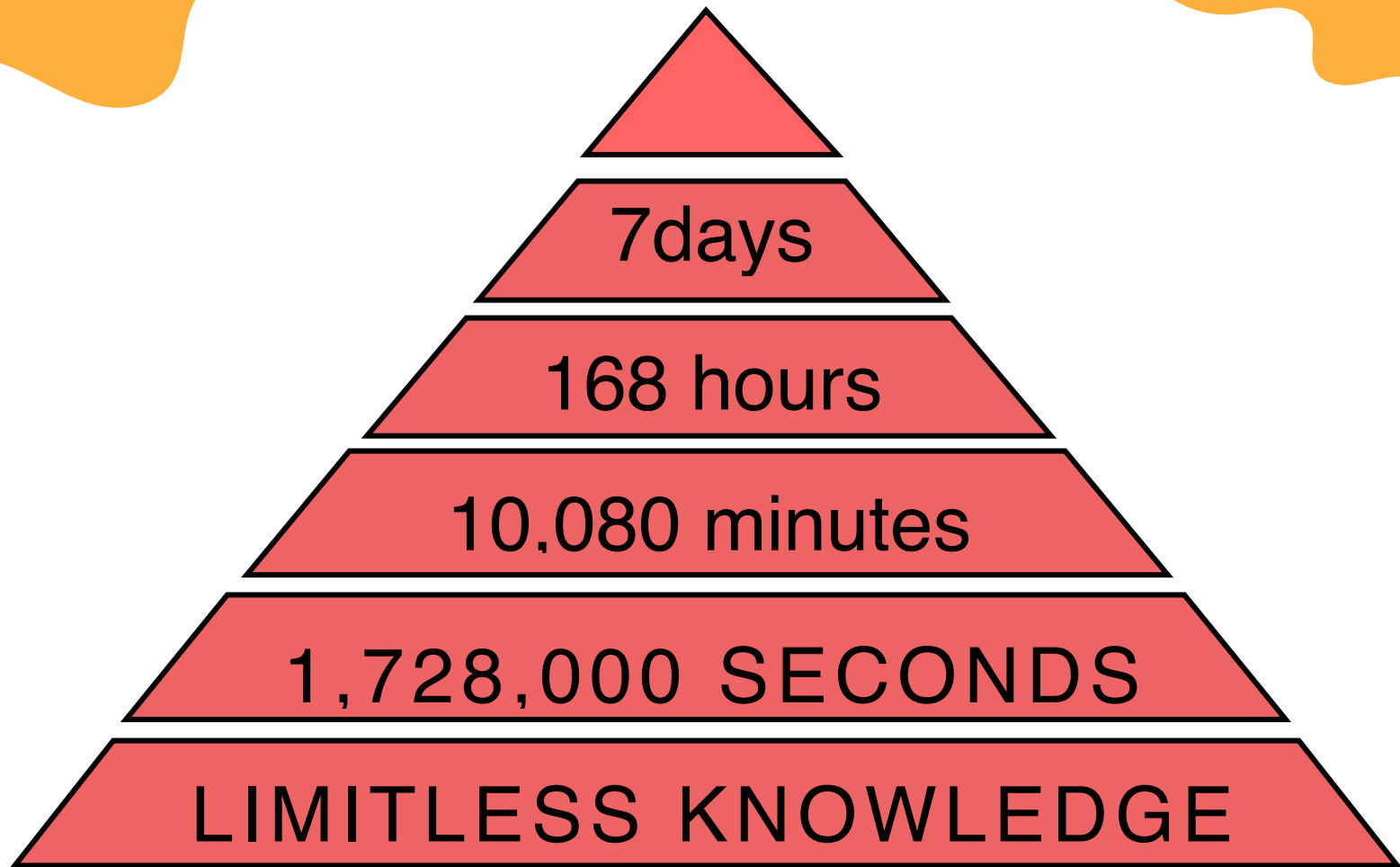
25  
%

Resolve Doubts &  
Code Conflicts

25  
%

Project Progress Discussion &  
Transformation Based on UML and  
Technologies





# Stakeholders

## Sponsors

- Flipkart

## SME

- Amit Kumar Balyan

## Trainers

- Ballimpalli Padmaja PuruShottam
- Sharath RameSha



# Team Members

Madhu Bajpai



Arjav Jain



Prachir Agrawal

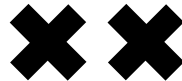


Gurleen kaur soni



# Roadmap

- Understanding Project Goals
- Decide the Technologies JAVA/REST
- Design Thinking
- Adapting to a developer Mindset
- Project Demo



# TABLE OF CONTENTS

1

Problem Statement

2

Project Goal

3

Engineering practice

4

TechStack used

5

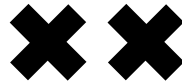
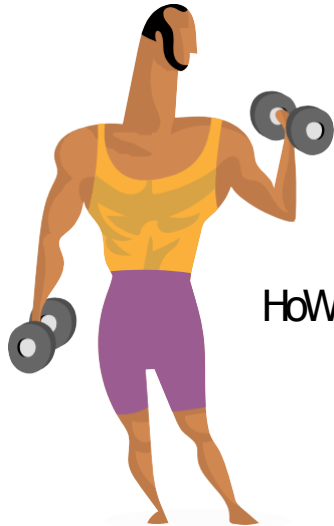
How We proceeded?

6

DEMO

7

Challenges Faced





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:

- There are multiple centers in Bangalore.
- Each center has  $n$  slots of an hour each. For eg the Bellandur center has only 6 slots - 3 in the morning of an hour each from 6 am to 9 am and similarly 3 in the evening from 6 pm to 9 pm.
- The number of seats at each time-slot for a given center is fixed.
- For simplicity's sake you can assume that the slot info will be entered by the Admin only once.
- User can perform the following operations:
  - Register onto the platform
  - View the gym's availability/unavailability for a particular day and slot at a center
  - Book a workout for a user if seats are available in that time slot at that center

### User stories:

1. View all centers with details for a given city
2. Successfully book a slot by a user in a center in a particular slot
3. If user books another gym in the same slot, the old booking should be removed
4. If a user books a slot which is already booked by another user, an error should be shown
5. Ensure that there is no scenario where we are over booking.

# Project Goals



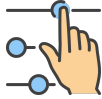
User friendly booking system for gym slots

Gym owner registration to facilitate facility setup

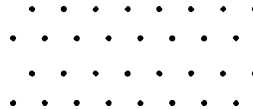


Real time visibility of gym slots in specific area

Customisation options for gym owners to define slots

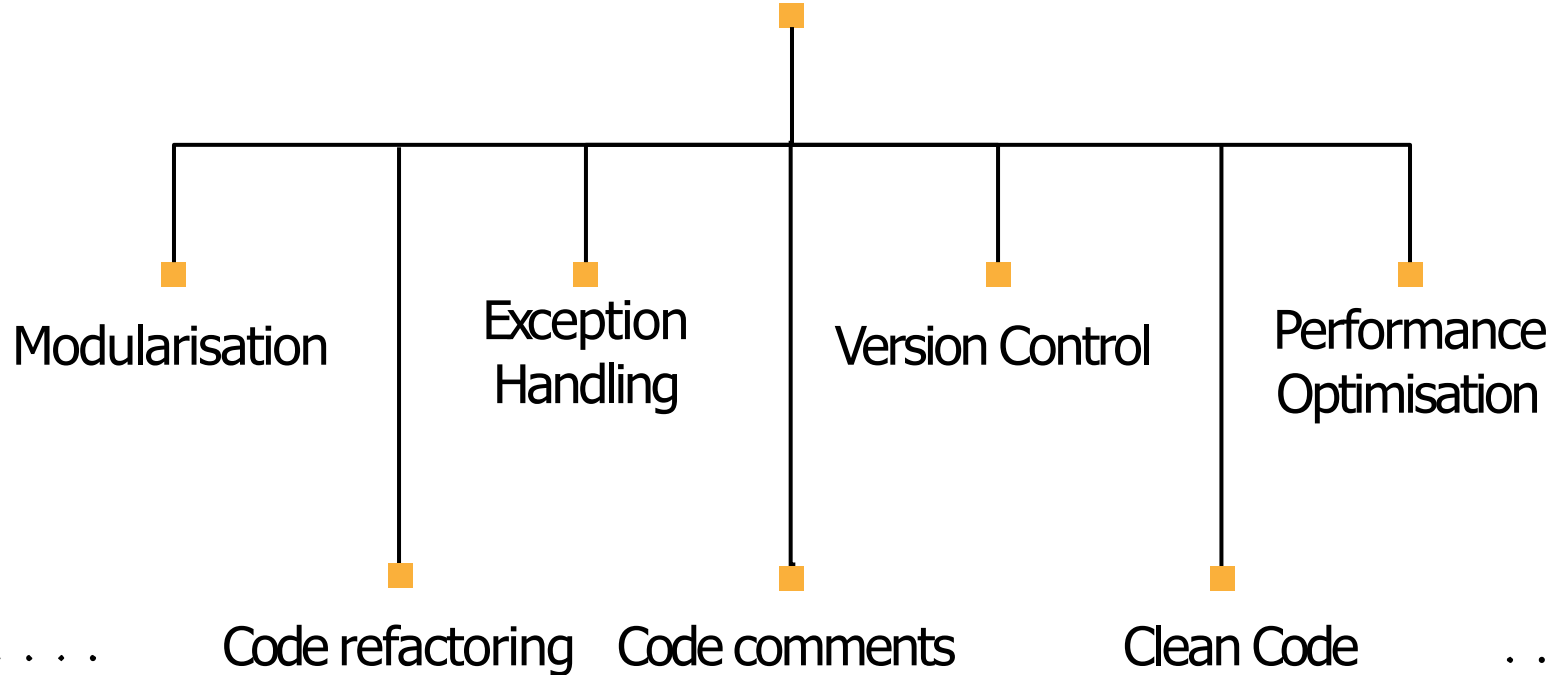


Seat capacity efficiently





## Good Engineering Practices



# Tech Stack & Tools

Java



MySQL



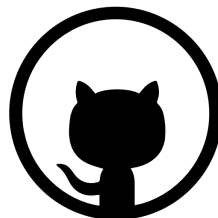
Maven



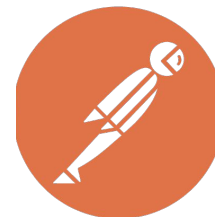
Git



Dropwizard

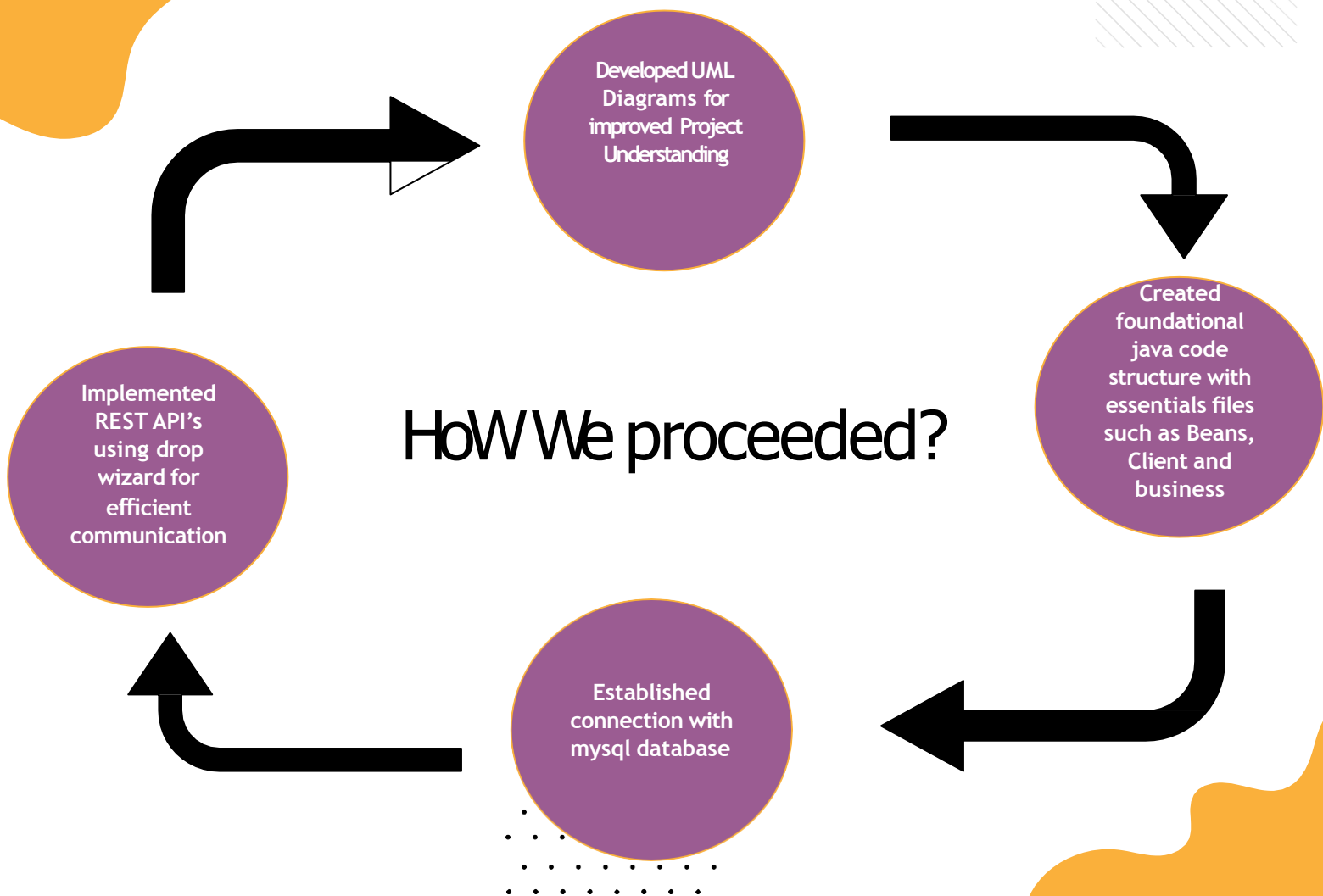


GitHub



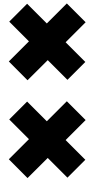
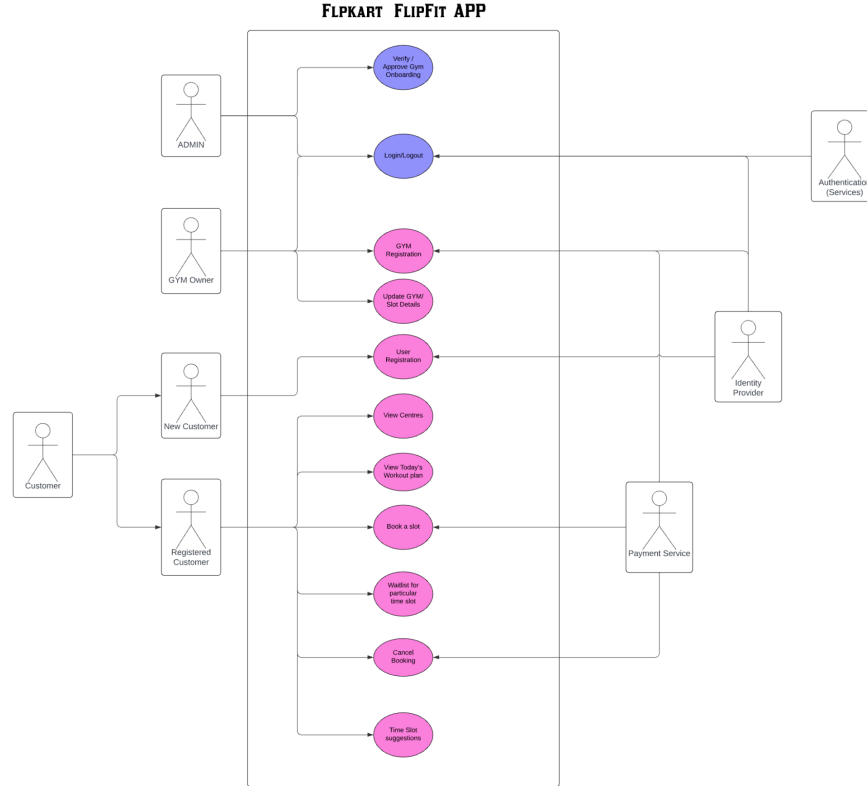
Postman

# HoW We proceeded?



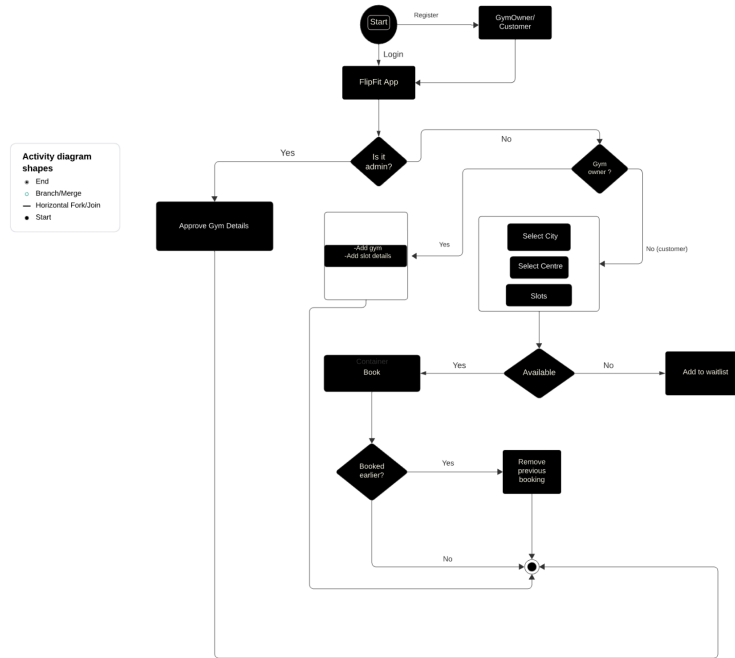
# Code & UML DiagramS

# Use Case Diagram

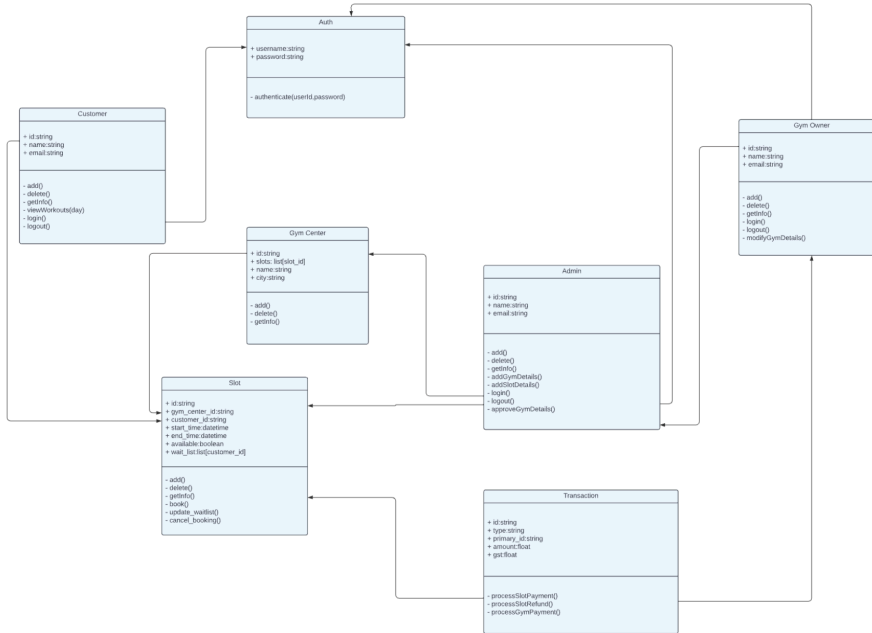




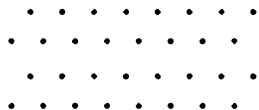
# Activity Diagram

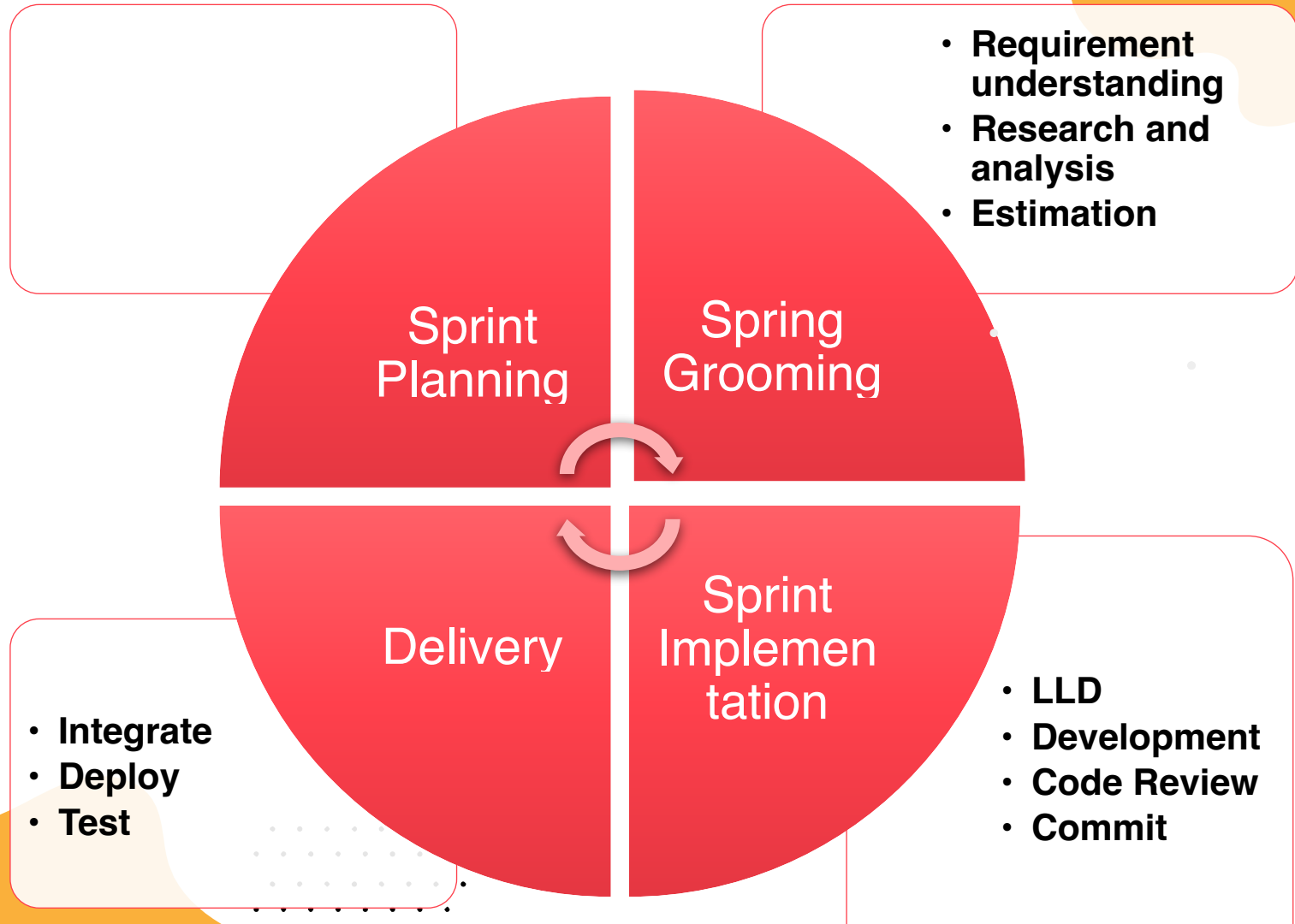



# Class Diagram



# Development





The background is black with abstract orange shapes in the top-left, bottom-right, and top-right corners. There are also white diagonal lines in the top-right and bottom-left corners.

DEMO



# Challenges



**Unexpected bugs and issues**



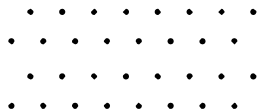
**New Technologies**



**Team collaboration**



**TIGHT Deadlines**





THANKS!

ANY QUESTIONS?

[Github Link to our project](#)

