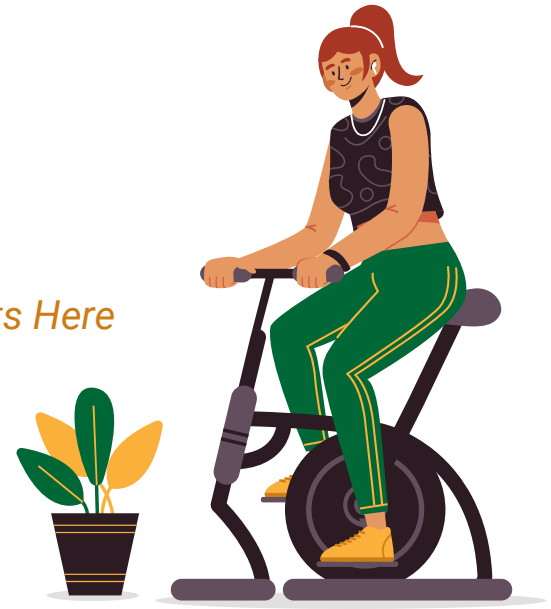
Flipkart

FlipFIT

Your Fitness Journey Starts Here



THE ASK - WHERE WE STARTED?

The ask of this project is to expand **Flipkart** into the fitness industry

- ❏ enhance user convenience
- ❏ strengthen gym partnerships
- ❏ streamline slot management
- ❏ real-time booking capabilities

FRAMEWORK FOR 6 DAYS

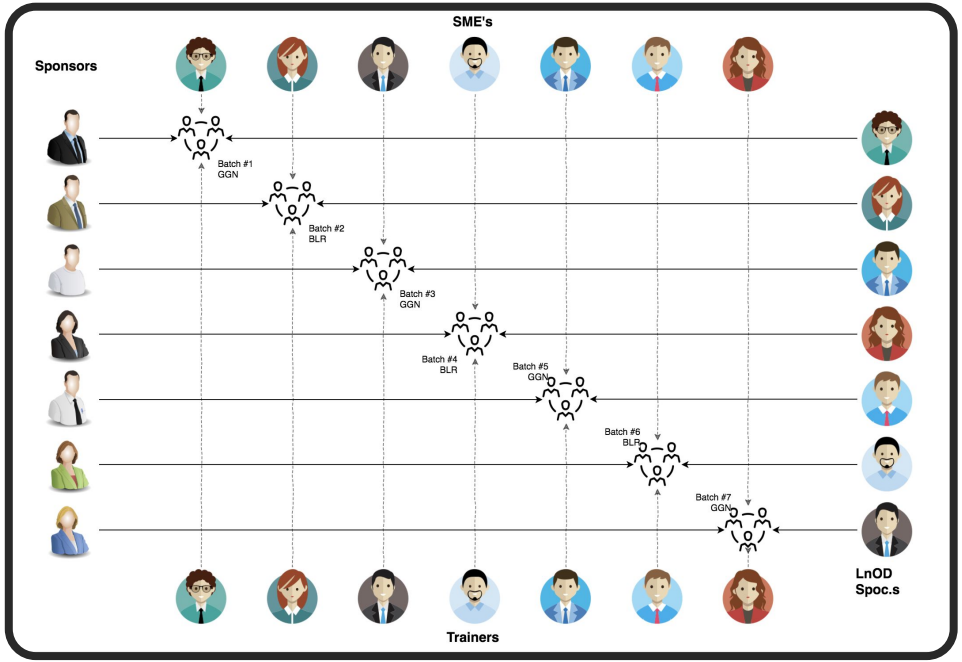
DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6
Introduction to UML Artifacts	Introduction to Git and GitHub	Classes vs Interfaces & I/0 in Java	Database Schema Design & DAO Layer Implementation	JDBC, Exception Handling & Validator	Dropwizard Framework

STAKEHOLDERS

1. Sponsor
   - Flipkart

2. SME’s
   - Amit Balyan

3. Co-ordinators
   -Anushka khanna
   -Sharath ramesha



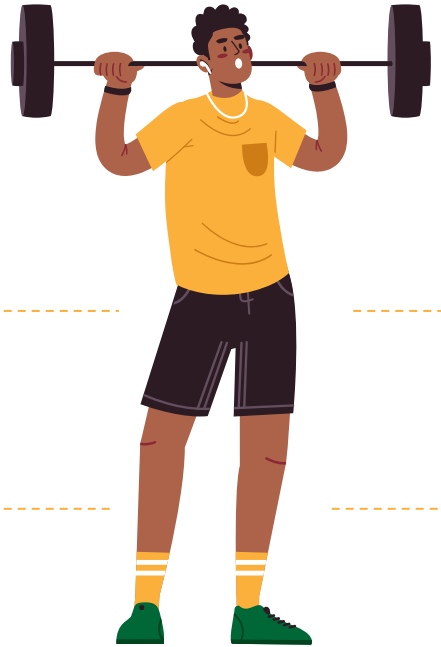
6 DAYS OF TRAINING + PROJECT DEMO

TEAM STRUCTURE

Bhawarth Garg
(Team Leader)

Bhavya Marya

Ranjan Kumar



Darshana
Durgamahanty

Ujjval Saini

Manisha Koranga

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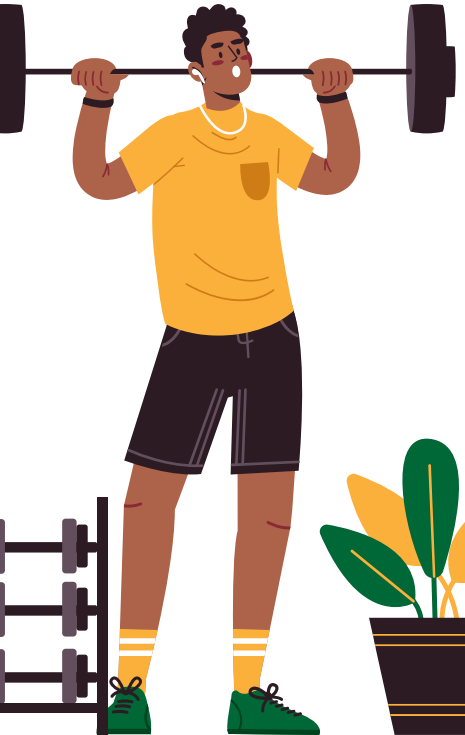


01

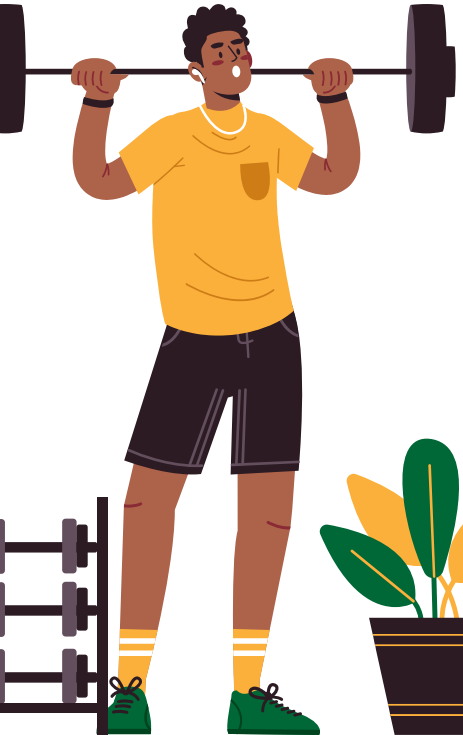
PROJECT GOALS

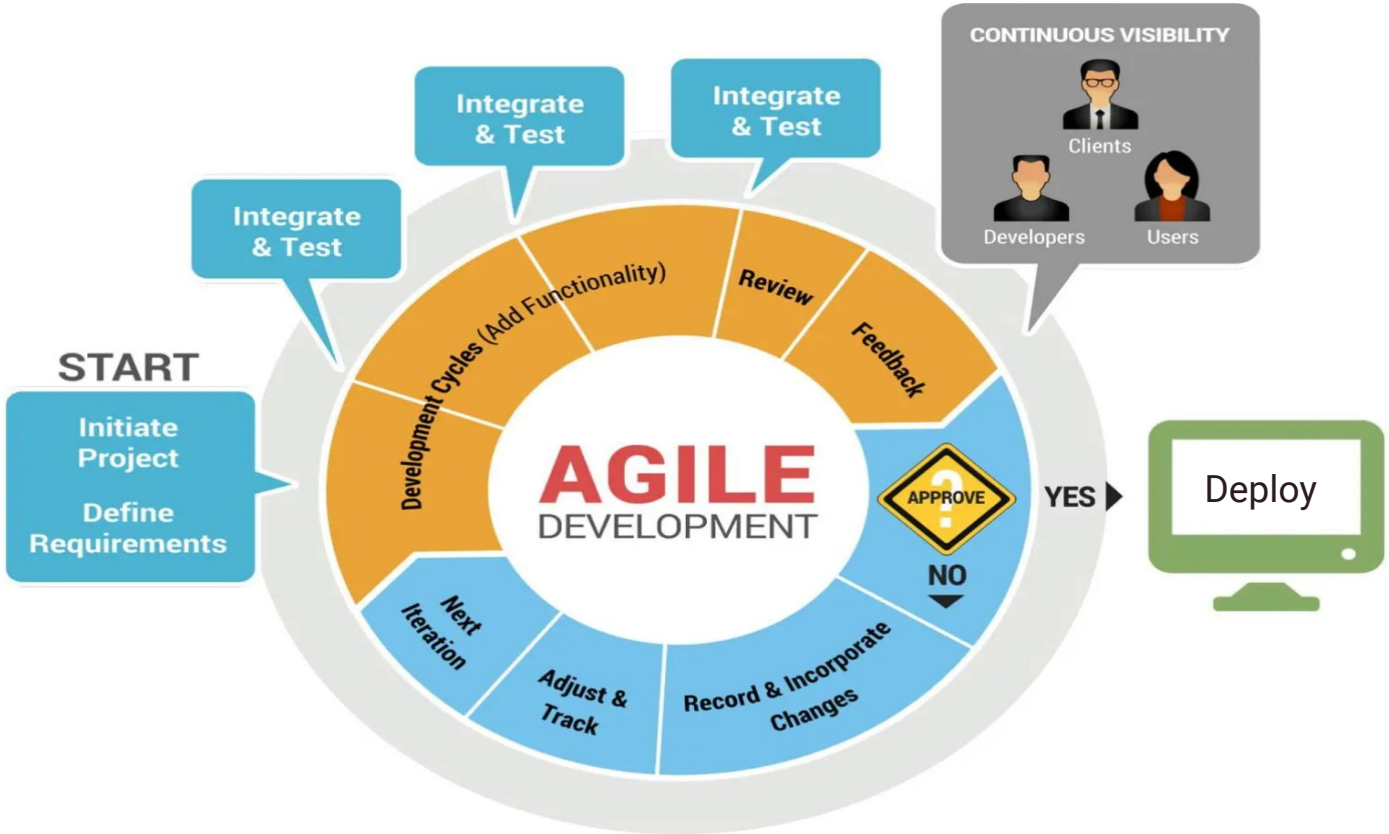
OUR VISION

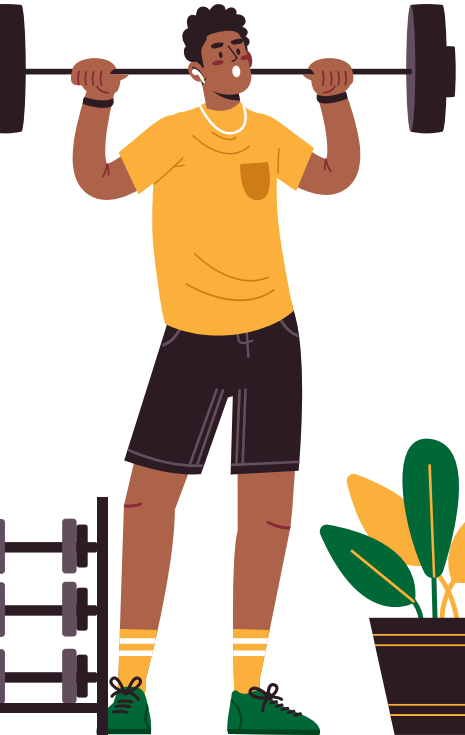
The goal is to create and deploy a **FlipFit Gym application** using Java tools, enabling users to register, check the availability of slots, and book workout sessions at different gym centers across Bangalore.

02

ENGINEERING PRACTICES




START
Initiate Project
Define Requirements
Integrate & Test
Integrate & Test
Integrate & Test
Development Cycles (Add Functionality)
Review
Feedback
CONTINUOUS VISIBILITY
Clients
Developers
Users
AGILE
DEVELOPMENT
APPROVE
YES
NO
Deploy
Next Iteration
Adjust & Track
Record & Incorporate Changes



03

TECH STACK

BACKEND

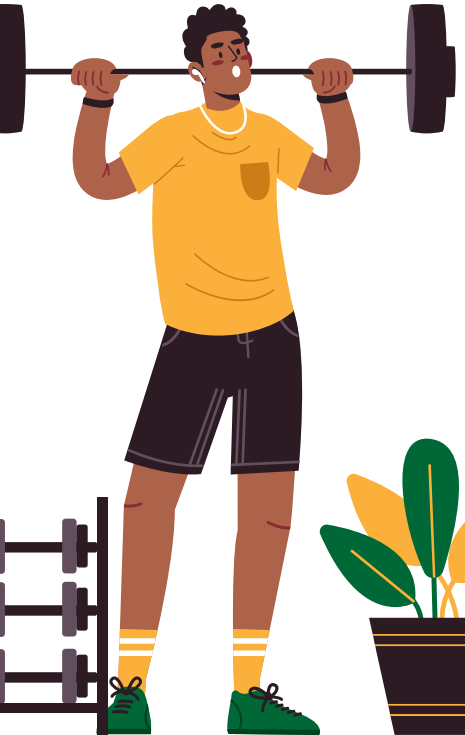
SCM

DATABASE

API TESTING

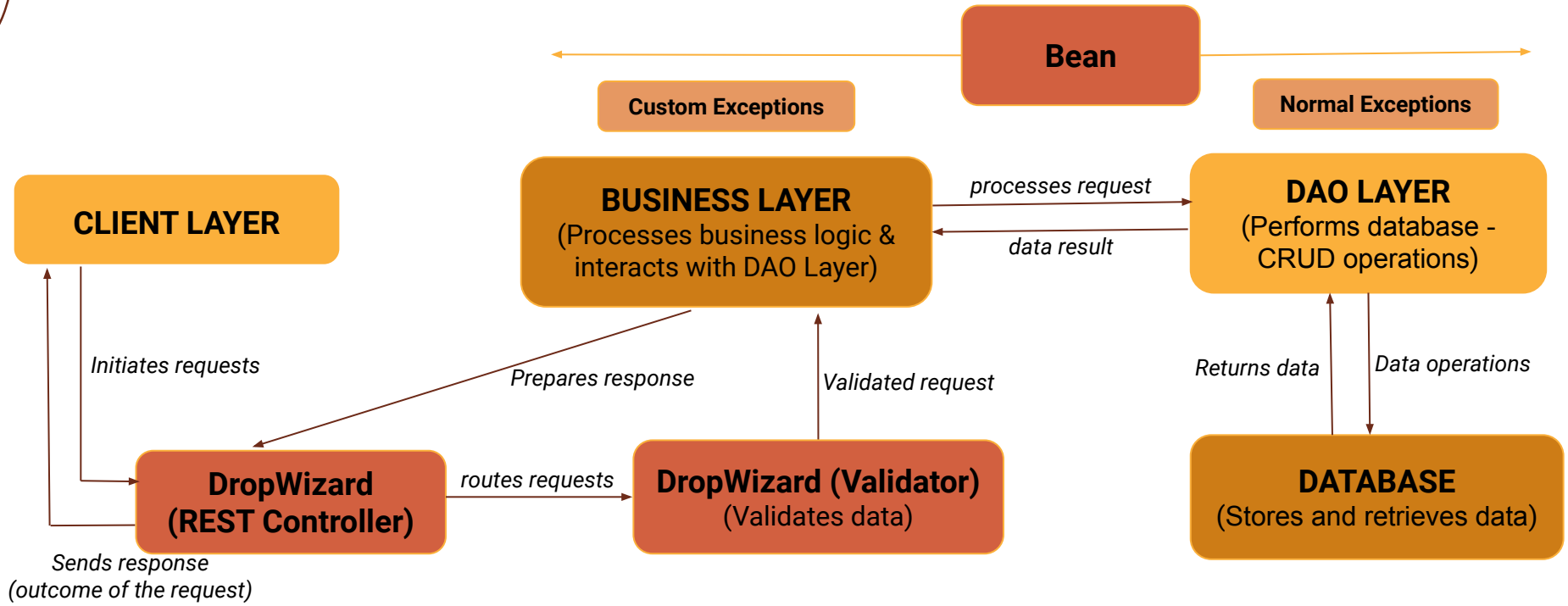
FRAMEWORK

IDE



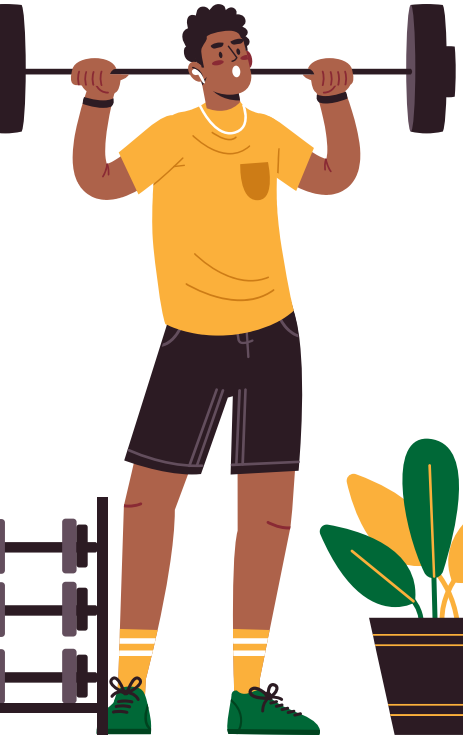
04

DEVELOPMENT


Bean
Custom Exceptions
Normal Exceptions
CLIENT LAYER
BUSINESS LAYER
(Processes business logic & interacts with DAO Layer)
processes request
data result
DAO LAYER
(Performs database - CRUD operations)
Initiates requests
Prepares response
Validated request
Returns data
Data operations
DropWizard (REST Controller)
routes requests
DropWizard (Validator)
(Validates data)
DATABASE
(Stores and retrieves data)
Sends response
(outcome of the request)

05

CHALLENGES & LEARNINGS

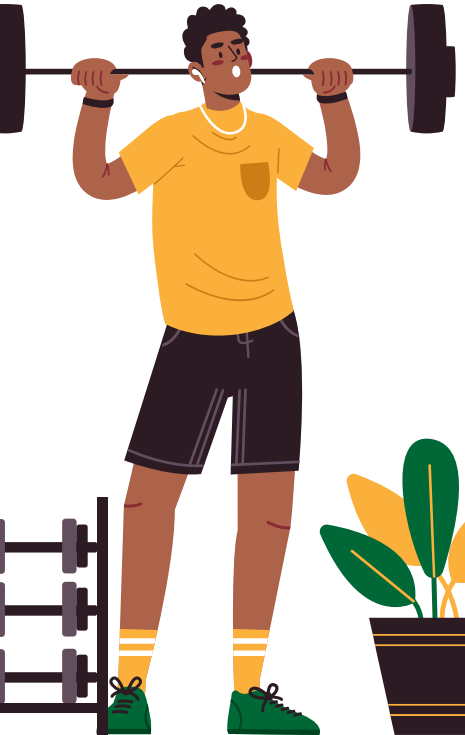


Challenges

- **SQL Workbench Setup**: Overcame initial setup challenges and mastered schema design.
- **DAO & Business Logic**: Ensured efficient DAO operations and robust business logic.
- **Dropwizard Integration**: Struggled with learning and integrating Dropwizard.

Learnings

- **Tech Stack Proficiency**: Mastered Git, Java, MySQL, Dropwizard,Postman.
- **Best Practices**: Adopted Agile methods and rigorous code reviews.
- **Troubleshooting**: Developed strong debugging and problem-solving skills.
- **Teamwork**: Fostered collaboration through regular communication.



06

DEMO

THANK YOU!

Do you have any questions?