

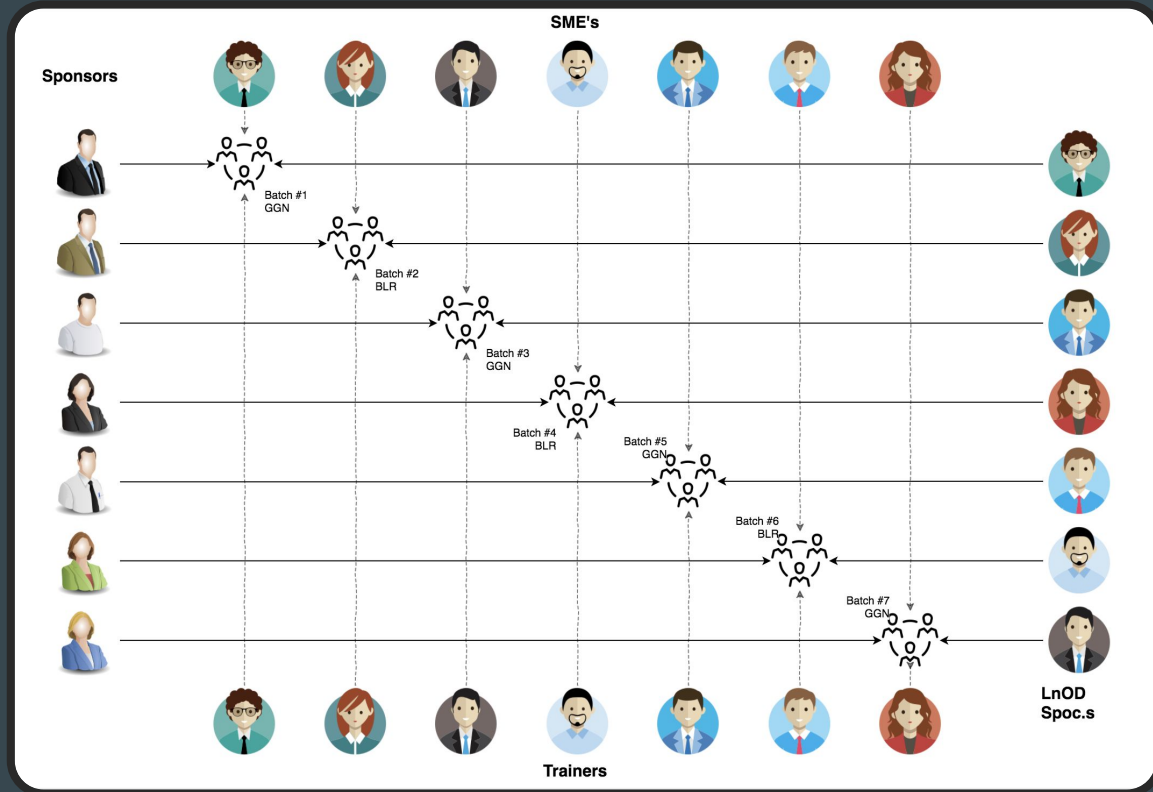
Course Registration System

JEDI Group 2



Stakeholders

- **Sponsors**
 - Flipkart
- **SME's**
 - Amit Balyan
 - Other HR & Experts
- **Course Coordinators**
 - Shree
 - Heena Bansal
 - Surbhi Sukhant



2 WEEKS OF TRAINING + PROJECT DEMO



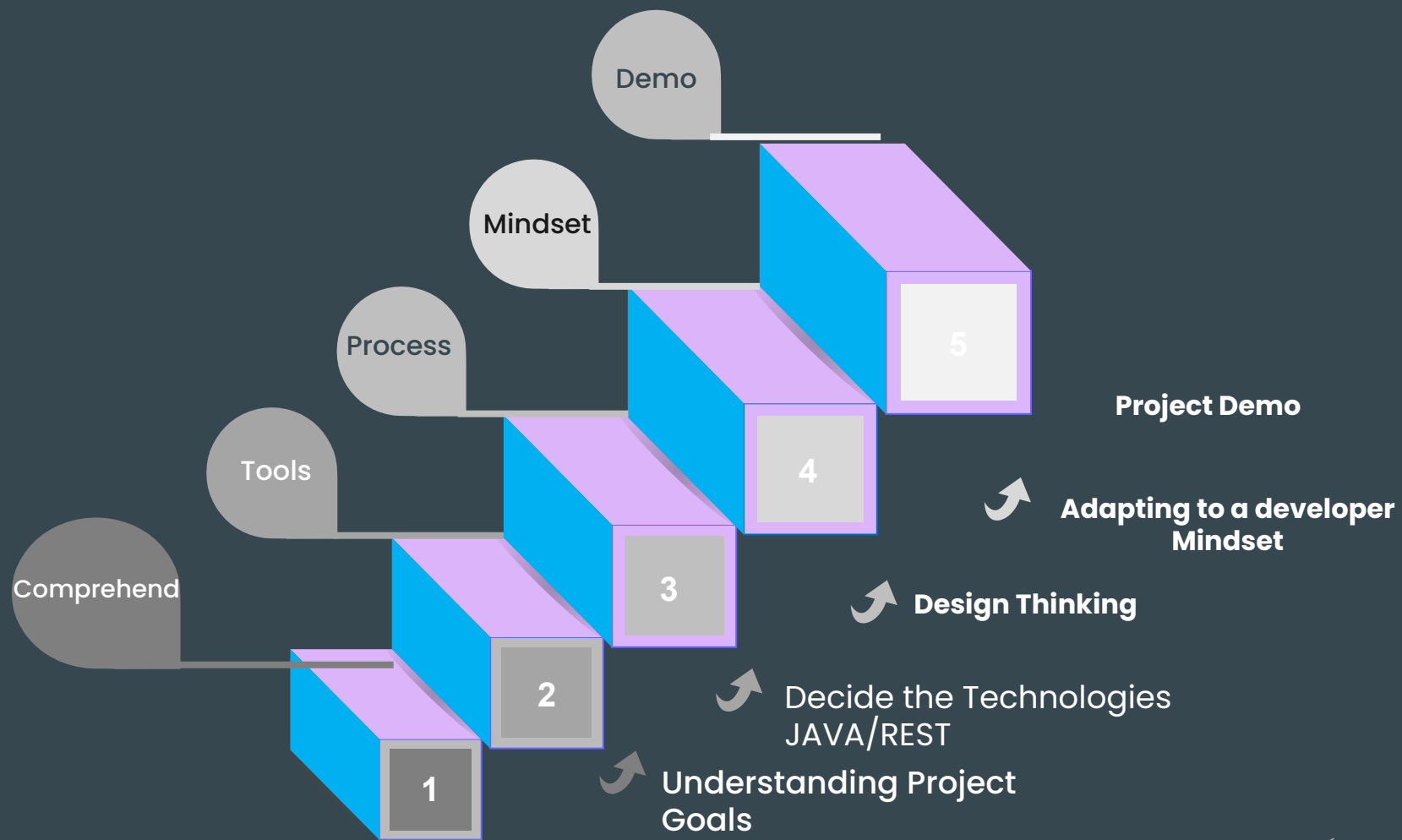
Agenda

- 01 Our Journey
- 02 Our Team
- 03 Team Structure
- 04 Problem Statement
- 05 Engineering Practices
- 06 Tech Stack
- 07 Development
- 08 Challenges & Learnings
- 09 Demo
- 10 Questions



Our Journey





LEARNING ACTION PLAN

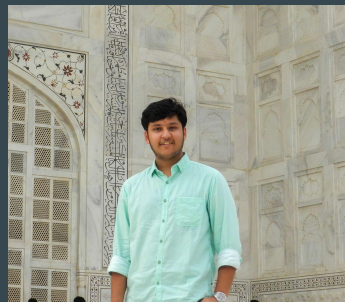
	Modules	Description
July 20 - July 25	<ul style="list-style-type: none">• UNIX• GIT• UML Diagrams	<ul style="list-style-type: none">→ Understanding Unix and Git commands→ Requirement understanding and diagram design
July 26 - August 2	<ul style="list-style-type: none">• Java 8• Exception Handling• SQL <p>• • •</p>	<ul style="list-style-type: none">→ Developing a POS Application using Java and MySQL.→ Understanding Java 8 features and collections
August 3	<ul style="list-style-type: none">• Jersey and DropWizard	<ul style="list-style-type: none">→ REST API Development using Jersey and DropWizard framework

Our Team





Anmol Srivastava



Kushal Agarwal



Kazi Abeer Rehaman



Lakshay Dua



Sabuj Jana

Project Goals



Problem Statement

To develop a POS application and REST API for **Course Registration System** using JAVA where the student can register, add/drop course, professors can view courses, enrolled students while admin can manage users, add/drop courses to catalog.



Quality



Security



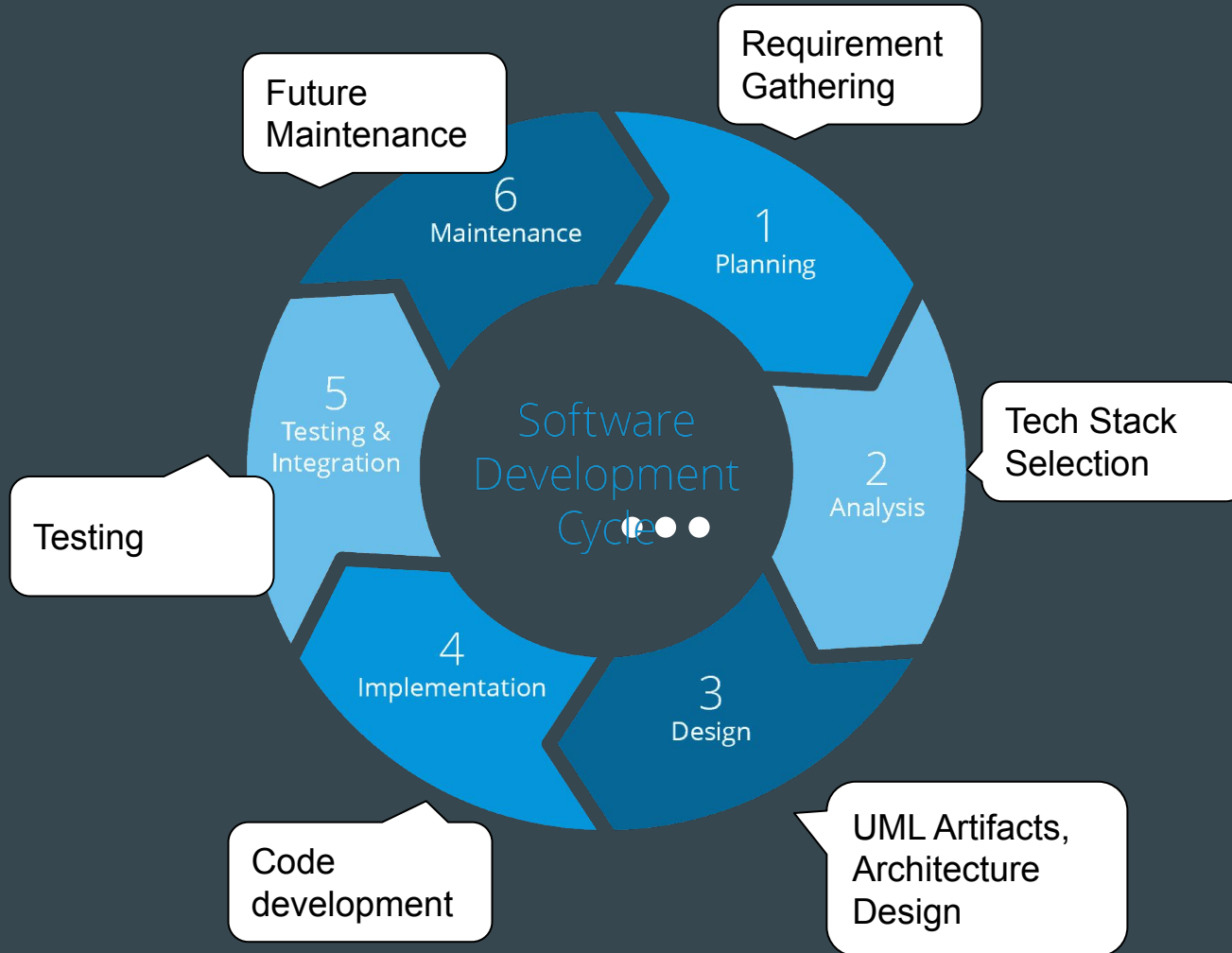
Interactivity



Speed

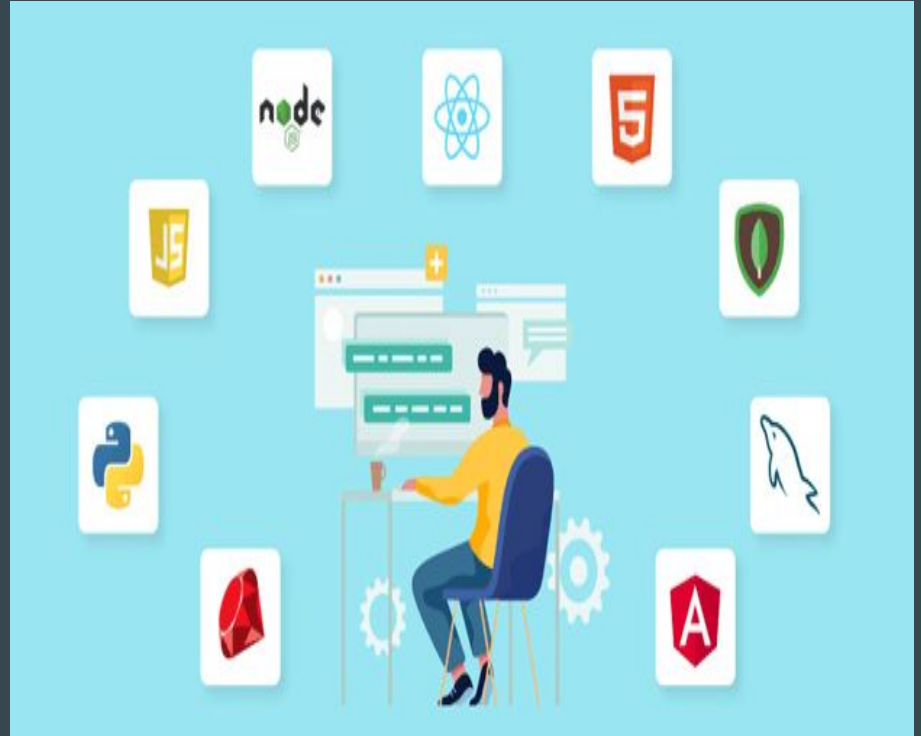
Engineering Practices







Tech Stack



Designing

UML

 Lucidchart

Backend

Core Language



Framework



Maven™



Jersey



REST API

Application Server

jetty://

Testing

Tools



POSTMAN



Data

SQL Database



SCM

Code Collaboration



GitHub



git

CODEBUNK

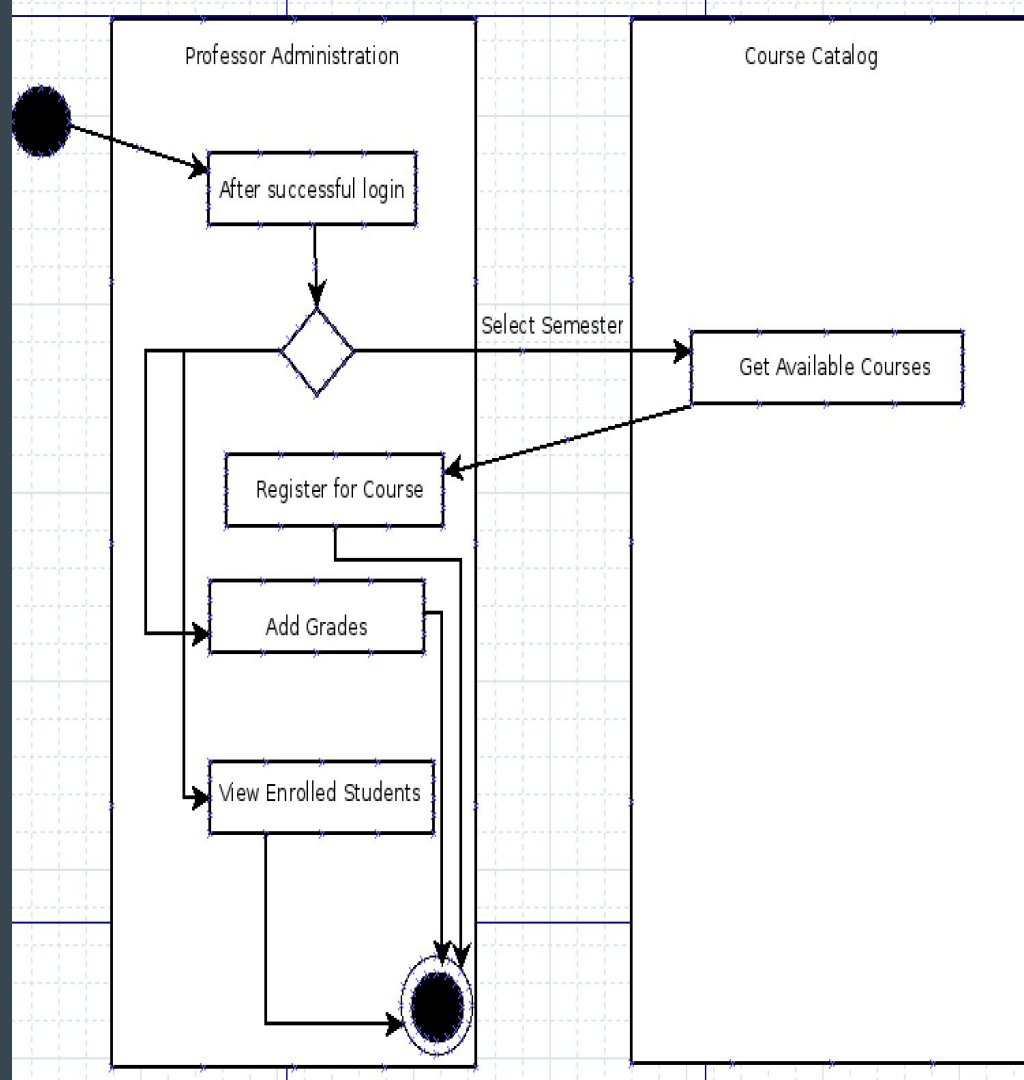


Challenges & Learnings

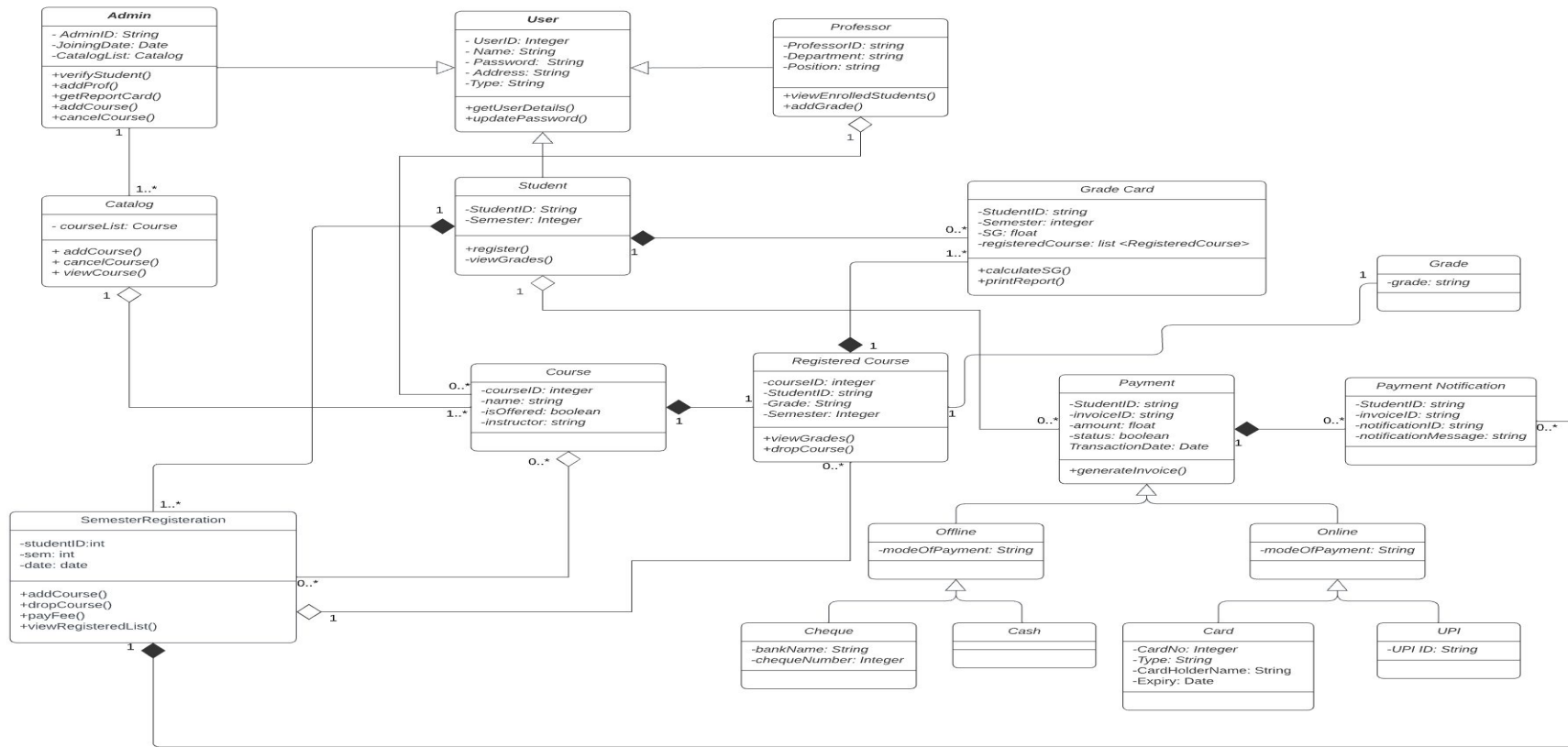


	Challenges	Learning
July 20 - July 25	<ul style="list-style-type: none"> • Understanding the problem statement • Collaboration issues such as merge conflicts in Git • UML diagram conventions 	<ul style="list-style-type: none"> • LINUX • Git commands • UML Diagrams
July 26 - August 2	<ul style="list-style-type: none"> • Installation softwares on multiple environments • POS application development using layered architecture 	<ul style="list-style-type: none"> • Java 8 • Exception Handling • SQL
August 3	<ul style="list-style-type: none"> • Resolving jar and version dependencies • Jersey validation 	<ul style="list-style-type: none"> • REST API development using Jersey and DropWizard • Maven • DropWizard

UML Diagrams



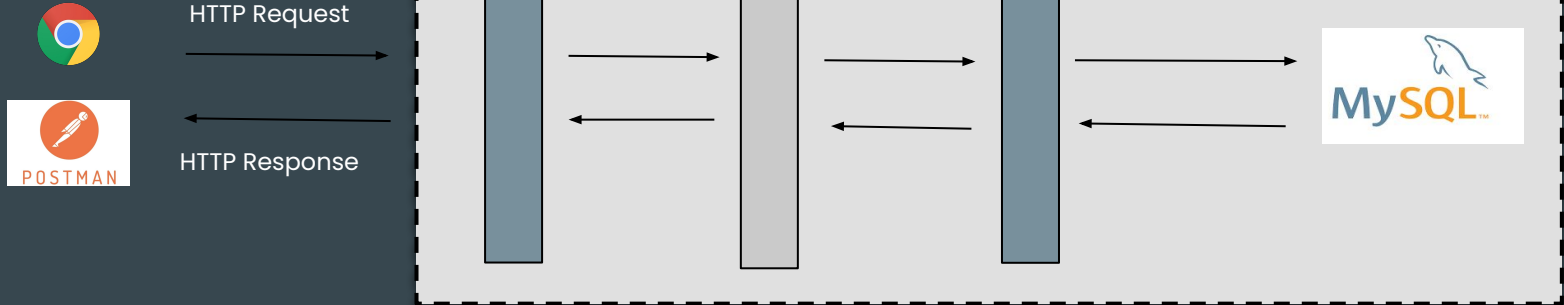
Group 2 | July 26, 2022



Architecture Design



POS Application



Demo



Questions



A large white circle is centered on a solid blue background. Inside the circle, the text "Thank you" is written in a dark blue, sans-serif font.

Thank you