

# COURSE REGISTRATION SYSTEM



**Presented by:**

Group No. 1  
(July 30, 2021)

# Agenda

- 1 Our Team
- 2 Jedi-6 : Framework
- 3 Our Journey
- 4 Project Goals
- 5 Tech Stack
- 6 Development
- 7 Challenges
- 8 Demo
- 9 Questions

# Our Team & Responsibilities

---

Piyush Palta

Manya Goel

Parth Anand

Tooba Zameer

Saksham Chhabra



# Stakeholders

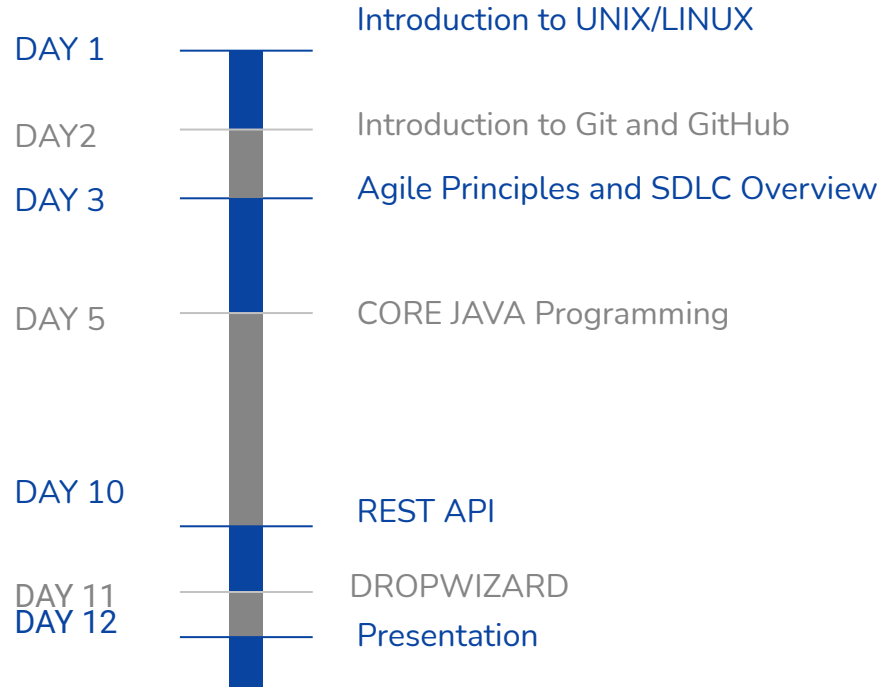
---

- **Sponsors**  
Flipkart
- **SMEs**  
Amit Balyan
- **Other Coordinators**  
Deepika Gajaraj  
Khushboo  
Pooja



# JEDI-6 : Framework

- 12 Days plan
- Everyday discussion about topics followed by doubt clearance
- Daily Assignments and 15 min test based on the last topic covered
- Demonstration of Project progress & transformation based on UML & Technologies



# Our Journey

---

**Understanding  
Project Goals**  
(Know Requirement)

**Design Thinking**  
(UML Diagrams)

**Project Demo**  
(Backend Project)

**Decide the  
Technologies**  
(JAVA, REST API,  
DropWizard)

**Development**  
(Java Code)

# Project Goals

---

- To make UML diagrams for “**Course Registration System**” for a university portal.
- Student can choose courses and complete registration by completing Fee payment
- To develop a JAVA project for Student, Professor and Admin operations.
- Use RESTful backend services for Student, Professor and Admin operations.
- Using Dropwizard and Apache Jersey.



# Tech Stack

## Core Language



## Collaboration + Version Control



## SQL Database



## Application Server



## Framework



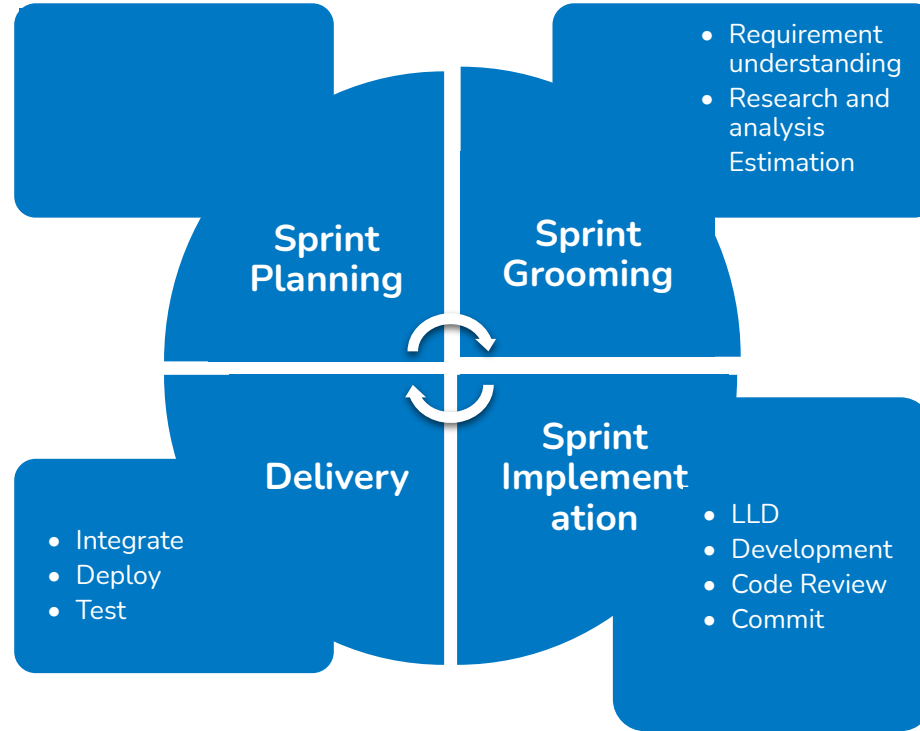
## API Testing





# Development

---



# UML Diagrams

---

<https://github.com/piyush-palta/JEDI6-Flipkart/tree/master/CRS-JEDI-Flipkart-UMLArtifacts>

# Challenges

---

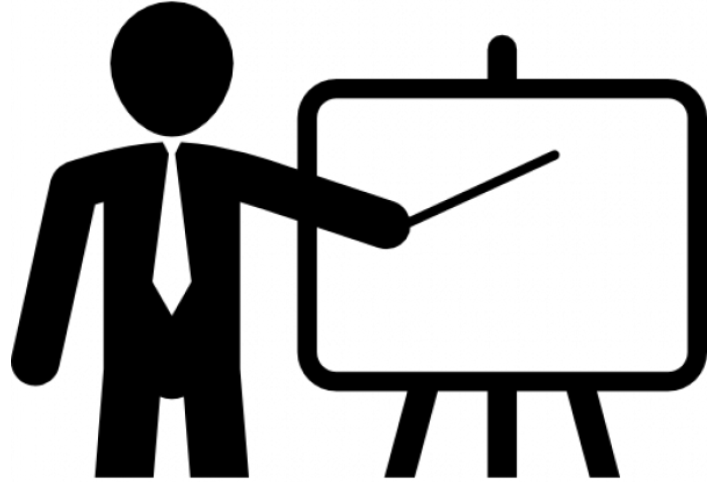
- Code collaboration and resolving merge conflicts in Git.
- Installation issues over specific environments and OS.
- Adding proper dependencies and resolving jar file errors for mysql and log4j drivers.
- Resolving exceptions and errors over Postman API testing platform.
- Working collaboratively in a virtual environment.

# Learnings

---

- ❑ UNIX/Linux commands
- ❑ Git commands
- ❑ Unified Modelling Language(UML) Diagrams
- ❑ Java 8 features
- ❑ Exception Handling in JAVA
- ❑ SQL using MySQL
- ❑ REST API development using Jersey and DropWizard
- ❑ Testing REST APIs using Postman Service.
- ❑ Maven

# Demonstration



# Any Questions?

---



THANK YOU !!