

Flipkart



Jedi-07

Course Registration System

Flintern - Jedi Program

Stakeholders

1

Sponsors

- Flipkart

2

SME's

- Flipkart
- Mentor: Amit Balyan
- Other HR and Experts

3

Trainers

- Trainer: Amit Balyan



The Team



Harshini Karumuri



Mohammad Amir



**Sai Harsha
Balasubramaniam**



Saurav Gupta



Mayank Garg



Nil Shah



**Sankeerth
Nalam**

Phase 1 - Designing UML artifacts

Designing UML Artifacts

Phase 2 - POS Application

Created the client application using Java.

Phase 3 - REST API

Created RESTful API endpoints using Jersey.

Phase 4 - DropWizard

Migrate project to DropWizard (Framework).

PROJECT PHASES

Day 1: Unix Commands

Day 2: Git

**Day 3 - 5: SDLC with UML
and OOAD**

Day 6 - 10: Java Concepts

Day 11 - 12: MySQL

Day 13 - 14: DropWizard

JOURNEY

Problem Statement

Develop a Course Registration System

- Entities involved are: Student, Professor, Admin
- Students should be able to Register for courses and view an electronic report card at the end of the semester
- Professors access the system to choose and teach courses, record grades.
- The Admin should be able to Approve a Student, Register a Professor/another Admin.
- The System should allow students to select courses
- Course offerings will have a maximum of ten students and a minimum of three students.
- After the registration, the system sends information to the billing system so that the student can be billed for the semester.

Plan & Approach

Understanding Project Goals

Planning & Features

Features & Frameworks

- Java
- StarUML
- DropWizard
- Jersey

Design Thinking

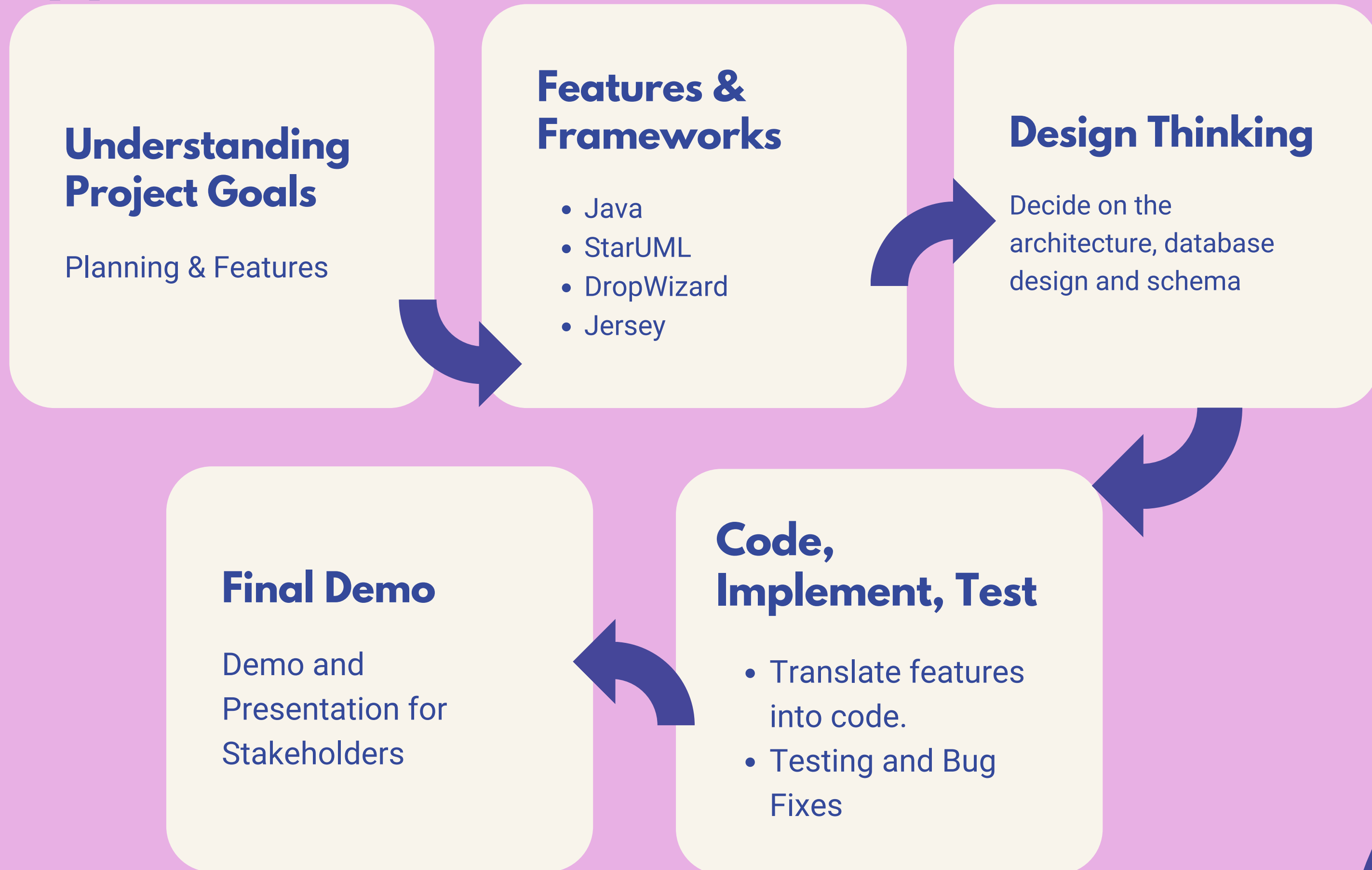
Decide on the architecture, database design and schema

Code, Implement, Test

- Translate features into code.
- Testing and Bug Fixes

Final Demo

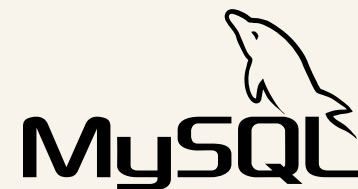
Demo and Presentation for Stakeholders



Tech Stack

Version Control - Git & GitHub

Database - MySQL



IDE - IntelliJ Idea, Eclipse

Programming Core - Java

**API Framework - DropWizard,
Jersey**

Development



Sprint Planning

- Planning
- Understanding
Problem Statement

Sprint Grooming

- Requirement
Understanding
- Research and Analysis
- Estimation

Delivery

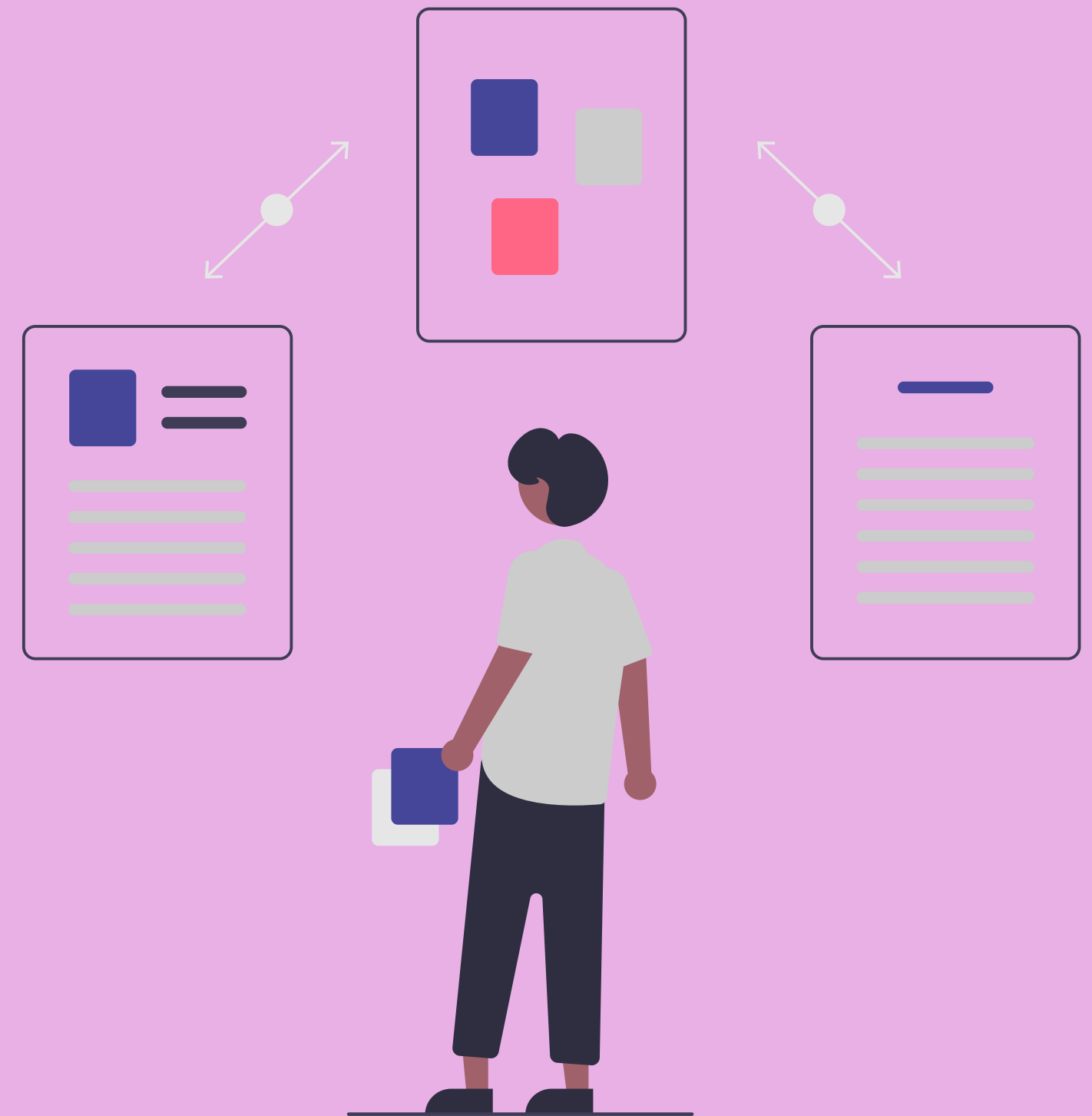
- Integrate
- Deploy
- Test

Sprint Implementation

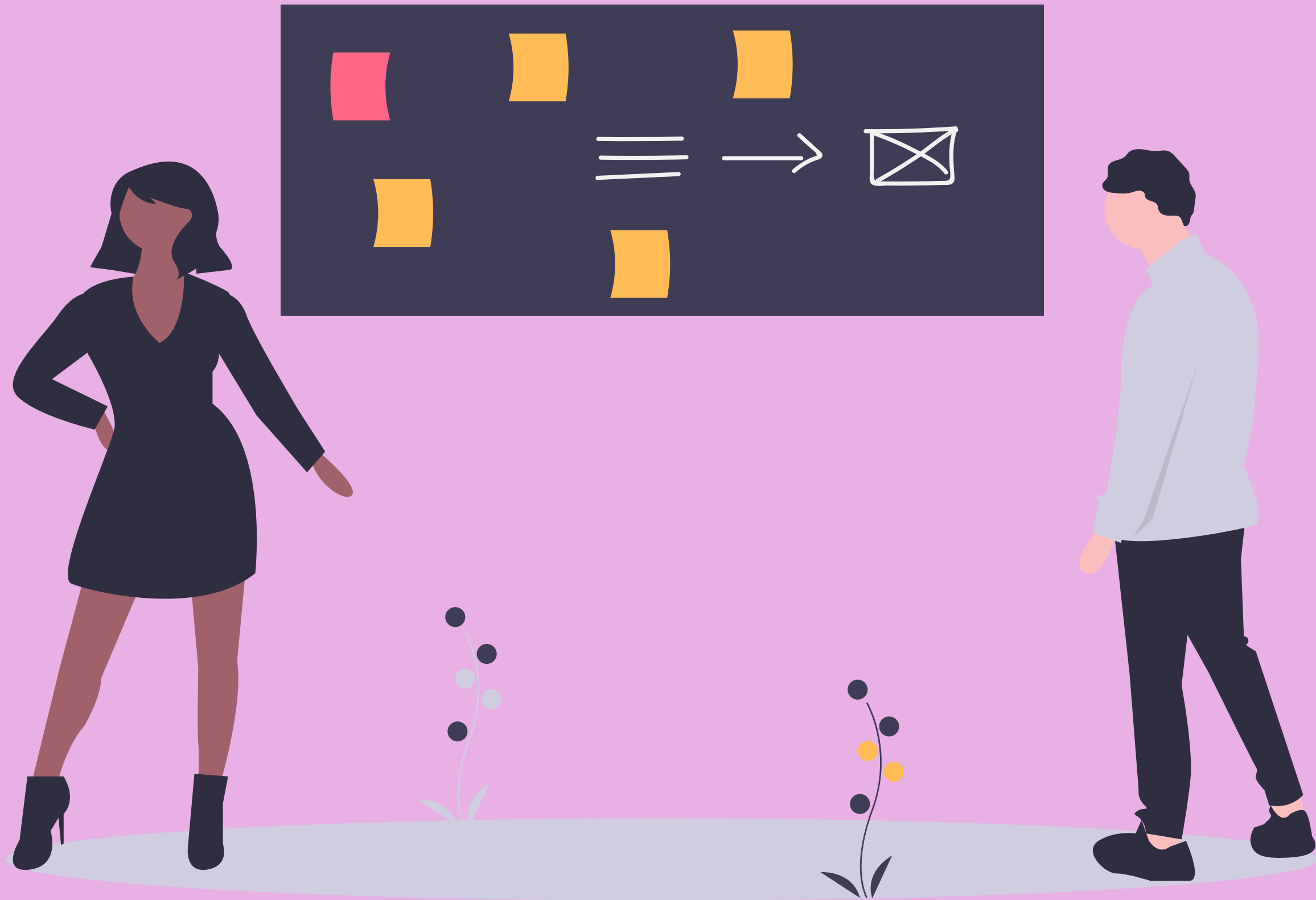
- LLD
- Development
- Code Review
- Commit

Challenges

- **Git Merge conflicts.**
- **JVM - Web Server version conflicts.**
- **It was initially hard to work with multiple IDEs such as Eclipse and IntelliJ.**



Demo



Questions



Thank You!