

Internship Placement Management System

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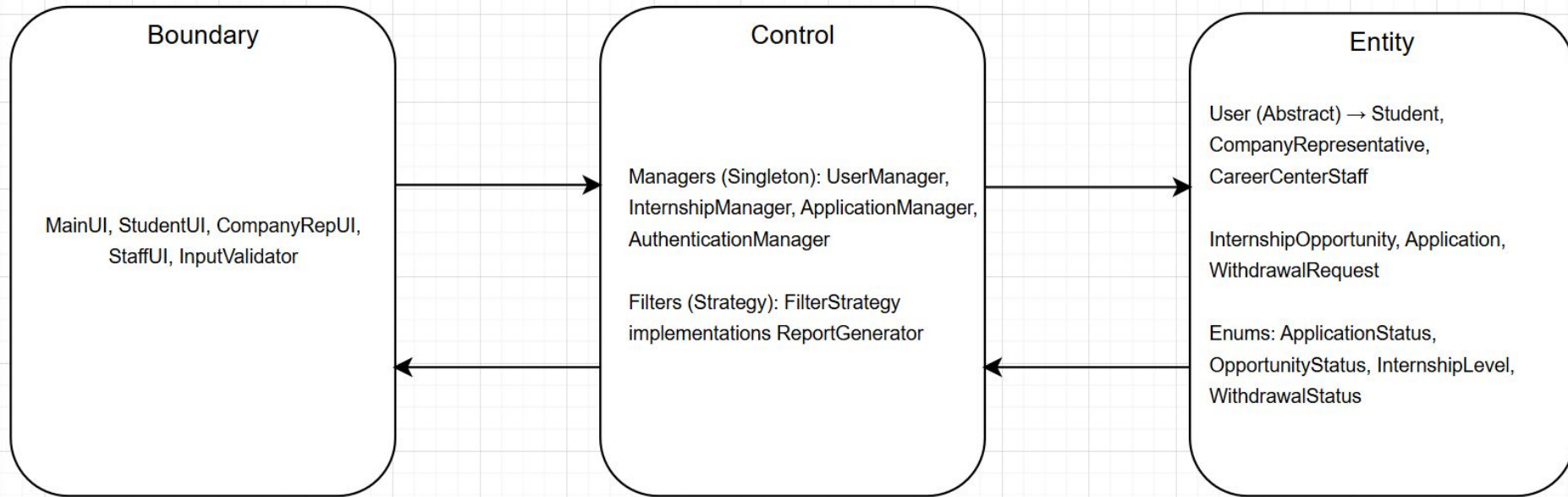
Toh Jun Meng

Project overview

The Internship Placement Management System (IPMS) is a comprehensive Java-based CLI application designed to manage internship opportunities, student applications, and placement processes.

The system facilitates interactions between three user types: Students, Company Representatives, and Career Center Staff.

Key Design Principles - MVC Architecture



Key Design Principles - **SOLID**

01

Single Responsibility
Principle
(SPR)

02

Open/Closed Principle
(OCP)

03

Liskov Substitution
Principle
(LSP)

04

Interface Substitution
Principle
(ISP)

05

Dependency Injection
Principle
(DIP)

Design Patterns

01

Singleton Pattern

02

Strategy Pattern

03

Composite Pattern

Additional Features

01

Automatic Slot
Management

02

Cascade Withdrawal
on Placement
Acceptance

03

Centralised Input
Validation

04

Application Statistics
Report

05

Real-Time Slot
Availability Tracking

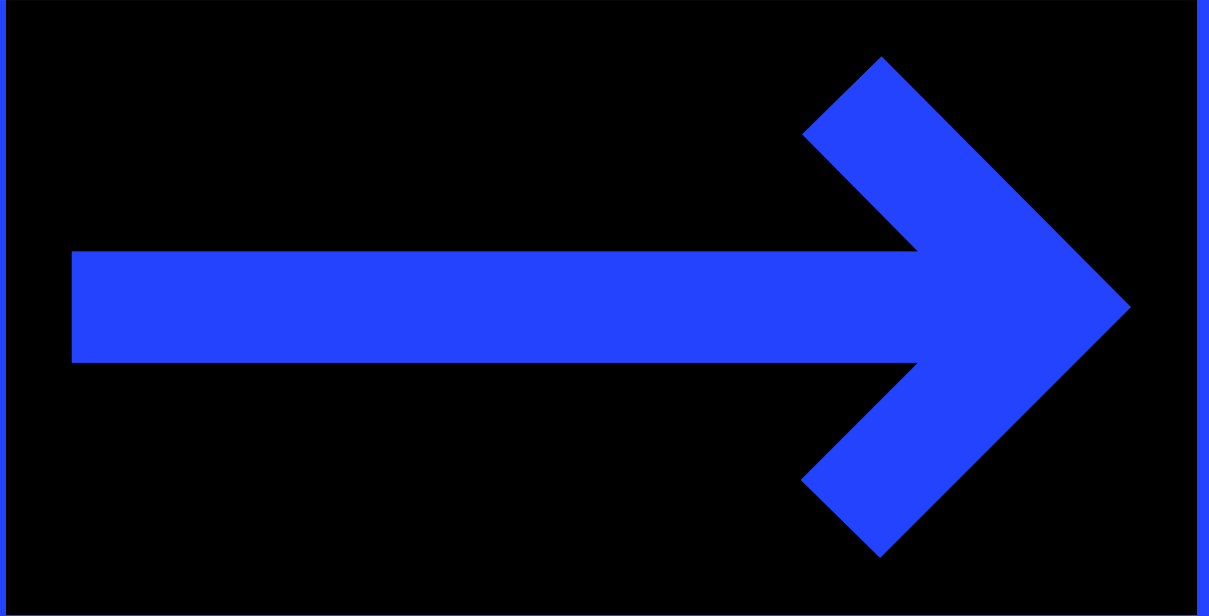
06

Java Serialisation for
Data Persistence

Live Demo

Q&A

Any questions?
Ask away!



Thank you!
