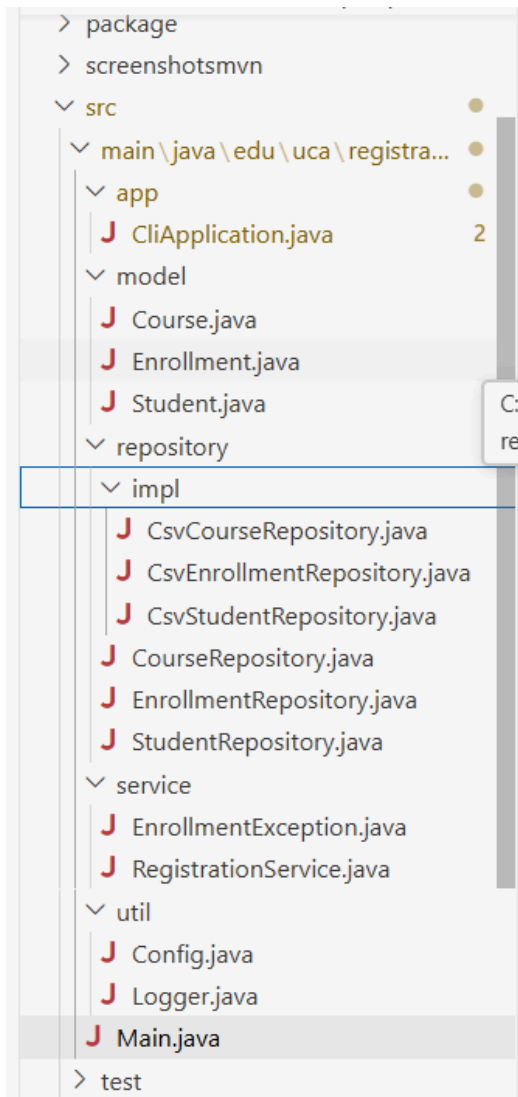


System Architecture

The refactored system uses a layered architecture with clear separation of concerns:

CLI (User Interface)	← app/CliApplication.java
Service (Business Logic)	← service/RegistrationService.java
Repository (Data Access)	← repository/impl/*Repository.java
Model (Domain Entities)	← model/Student.java, Course.java

Package Structure



Key Improvements

Before (Monolithic)

Just 1 file with everything mixed together
Global static state
No clear responsibilities
Hard to test or modify

Now (Layered)

14 files organized in 5 packages
Each layer has one clear purpose
Easy to test and extend
Follows SOLID principles