

Project: LearnTrack [Student & Course Management System] (Core Java)

Suggested Directory Structure

```
src/
└─ com/
    └─ airtribe/
        └─ learntrack/
            └─ Main.java                // Menu & application
entry point
├─ entity/
│   ├── Person.java
│   ├── Student.java
│   ├── Course.java
│   └─ Enrollment.java
├─ repository/                        // Data storage layer
│   ├── StudentRepository.java
│   ├── CourseRepository.java
│   └─ EnrollmentRepository.java
├─ service/                          // Business logic layer
│   ├── StudentService.java
│   ├── CourseService.java
│   └─ EnrollmentService.java
├─ exception/
│   ├── EntityNotFoundException.java
│   └─ InvalidInputException.java    // optional
├─ util/
│   ├── IdGenerator.java
│   └─ InputValidator.java
├─ constants/                        // Application-wide
constants
├─ MenuOptions.java
└─ AppConstants.java
```

```
|
└─ enums/                               // Fixed values / states
    └─ EnrollmentStatus.java
    └─ CourseStatus.java                // optional
```

5. Team Roles & Responsibilities (Example)

Member	Responsibility	Module(s)
1	Entities, constructors, inheritance, encapsulation	entity/
2	Services & business logic, menu flows	service/, Main.java
3	Utilities, exceptions, documentation, README, docs	util/, exception/, docs/