

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

Suggested Directory Structure

```
src/
└── com/
    └── airtribe/
        └── learntrack/
            ├── Main.java                                // Menu & application
            ├── entity/
            │   ├── Person.java
            │   ├── Student.java
            │   ├── Course.java
            │   └── Enrollment.java
            ├── repository/                               // Data storage layer
            |   (in-memory)
            |   ├── 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
            |   ├── MenuOptions.java
            |   └── AppConstants.java
            └── constants
```

```
|  
└── 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/