📁 **Project Folder Structure**

```
Java-Final-Sprint/
├── src/
│   └── main/
│       └── java/
│           └── org/
│               └── gym/
│                   ├── GymApp.java                # Main entry point
│                   │
│                   ├── db/
│                   │   └── DatabaseConnection.java  # PostgreSQL connection manager
│                   │
│                   ├── user/
│                   │   ├── User.java               # Abstract user class
│                   │   ├── UserDAO.java            # DB operations for users
│                   │   ├── UserService.java        # Login & registration logic
│                   │   └── childclasses/
│                   │       ├── Admin.java          # Admin user features
│                   │       ├── Member.java         # Member user features
│                   │       └── Trainer.java        # Trainer user features
│                   │
│                   ├── membership/
│                   │   ├── Membership.java         # Membership model
│                   │   ├── MembershipDAO.java      # Data operations
│                   │   └── MembershipService.java  # Logic for memberships
│                   │
│                   └── workoutclasses/
│                       ├── WorkoutClass.java       # Workout class model
│                       ├── WorkoutClassDAO.java    # DAO for class info
│                       └── WorkoutService.java     # Class assignment logic
│
├── resources/
│   ├── schema.sql                                  # Database schema
│   └── scripts.sql                                 # Sample data and queries
│
├── class-diagram.png                               # Class relationships
├── project-structure.png                           # Folder tree (optional)
├── pom.xml                                          # Maven build file
├── README.md                                       # Final documentation
└── .gitignore                                      # Files to ignore in Git
```