## **📆 Week-wise Project Timeline**

### **✅ Week 1: Planning & Setup**

* Define project scope and features.
* Prepare Software Requirements Specification (SRS).
* Design database schema (ER Diagram).
* Setup Spring Boot project structure.
* Configure database connection.
* Create entities: User, Property, Booking, etc.

📄 **Documentation**:

* SRS document
* ER Diagram
* Tech stack & Architecture diagram

### **✅ Week 2: Backend - User & Authentication Module**

* Create User entity (Buyer, Seller, Admin roles).
* Implement authentication/authorization using Spring Security + JWT.
* Signup/Login APIs.
* Role-based access control.

📄 **Documentation**:

* API endpoints for auth
* JWT flow explanation
* Postman collection (auth APIs)

### **✅ Week 3: Backend - Property Module**

* Create Property entity (with fields like type, location, price, images).
* Add, update, delete, and get properties (CRUD).
* Filtering/search by location, type, price range.
* Pagination and sorting.

📄 **Documentation**:

* Property module design
* API endpoints for properties
* Entity-relationship diagram

### **✅ Week 4: Backend - Booking/Favorites Module**

* Allow users to express interest/book properties.
* Implement favorites (users can save properties).
* History of bookings/interests for users.

📄 **Documentation**:

* Booking/favorites module design
* Use case diagram

### **✅ Week 5: Admin Panel APIs & Testing**

* Admin can view all users and properties.
* Approve/reject property listings.
* Soft delete users/properties.
* Add JUnit test cases for service layer.

📄 **Documentation**:

* Admin use cases
* Testing strategy
* Swagger UI documentation

### **✅ Week 6: Finalization & Deployment**

* Integrate all modules.
* Test the complete system.
* Create README.md for GitHub.
* Deploy backend on Render / Railway / Localhost.
* Create demo video (if needed).

📄 **Final Documentation**:

* Deployment guide
* README (project overview, setup, usage)
* Conclusion + Future Scope