**1. Database Design and Setup (Tonight)**

* **Task**: Creating the database schema (tables, relationships, and constraints).

Design tables (e.g., Users, Properties, Rentals, Payments, Contracts, etc.).

* + Define the structure of each table with appropriate columns and data types (e.g., userID, propertyID, rentalID, etc.).
  + Set up relationships (foreign keys, etc.).

**Deliverable**: Database schema.

**2. User Authentication and Authorization (Tonight)**

* **Task**: Implement user registration, login, and authentication endpoints.

Set up user authentication logic (JWT or session-based).

* + Implement routes for user registration, login, and logout.
  + Handle password hashing and validation.

Implement user authorization (e.g., Admin, Tenant, Landlord roles).

* + Set permissions for each role (e.g., Admin can manage all records, Tenant can view their rental info, etc.).

**Deliverable**: User authentication and authorization routes with roles and security.

**3. Property Management (Tonight)**

* **Task**: Set up endpoints to create, update, and delete property records.

Implement CRUD operations for managing properties.

* + Allow for adding property details (e.g., location, price, type, availability).

Implement search and filter functionality for properties.

* + Include filtering by location, price range, property type, etc.

**Deliverable**: Property CRUD API with search and filter functionality.

**4. Rental Process and Contracts (Tonight)**

* **Task**: Implement rental agreement creation and contract management.
* **Team Member 3**: Create the Rentals table to track rental periods and payments.
  + Implement endpoints to create a rental record (start date, end date, rental price).
* **Team Member 4**: Implement contract generation and updates.
  + Store rental contracts, and allow for editing if necessary.

**Deliverable**: Endpoints to manage rentals and contracts.

**5. Payments and Invoices (Tomorrow)**

* **Task**: Implement payment handling and invoice generation.
* **Team Member 1**: Set up payments table and endpoints to record payments.
  + Allow for recording payments (e.g., amount, date, method).
* **Team Member 2**: Generate invoices for tenants.
  + Include payment history and rental details on the invoices.

**Deliverable**: Payment recording and invoice generation system.

**6. Notifications and Alerts (Tomorrow)**

* **Task**: Implement email or SMS notifications for rental reminders and updates.

Integrate with an email or SMS service to send notifications.

* + Send notifications for rental due dates, lease expiry, payment reminders, etc.

Set up background jobs or cron jobs to schedule these alerts.

**Deliverable**: Notification system for rental reminders and other updates.

**8. Deployment and Documentation (Tomorrow)**

* **Task**: Deploy the backend to a production environment.

Set up the server, configure environment variables, and deploy the application.

**Deliverable**: Deployed backend.