Task: User Management and Role-Based Access Control (RBAC)

Objective:

Create a user management system that includes roles and permissions for accessing resources.

Requirements:

1. Models and Relationships:
   - `User`, `Role`, and `Permission`.
   - Many-to-many relationships between `Role` and `Permission` and between `User` and `Role`.
2. Role-Based Access:
   - Assign roles and permissions to users.
   - Middleware to restrict access to certain API endpoints based on user roles and permissions.
3. API Endpoints:
   - CRUD operations for users, roles, and permissions.
   - Assign roles to users and permissions to roles.
4. Testing:
   - Test endpoint access based on roles.
   - Test assigning/removing roles and permissions.