Spring project - EV Charging system

Main features:

- 1. Authentication
- 2. Station management
- 3. Connector management
- 4. Charging session management
- 5. User management: profile, transaction history, wallet

Business Requirements:

- 1. **User Registration and Authentication**: The system must allow users to register, log in, and authenticate securely.
- 2. Profile Management: Users must be able to view and edit their profile details.
- 3. **Station Management**: The system must allow the addition of charging stations.
- 4. **Connector Management**: Charging connectors at stations must be manageable, including adding, reserving, and tracking their status.
- 5. **Reservation System**: Users must be able to reserve charging connectors and secure their future charging session.
- 6. **Charging Session Management**: The system must handle the initiation and termination of charging sessions. Furthermore, from the amount paid, the system must calculate the value in kW to charge and inform the user.
- 7. **Transaction Tracking**: Users must be able to view detailed transaction history for their charging sessions.
- 8. **Station Search**: Users must be able to search for charging stations based on location or see all stations and connectors and their availability.
- 9. **Authorization**: Only authorized users should be able to perform specific actions, such as starting a charging session.
- 10. **System Wallet management**: Users receive fidelity points based on their activity in the system, specifically creating transactions.