Module 1: User Authentication and Management

Features:

1. User registration (residents, doormen, administrators).
2. Secure login and authentication.
3. Profile management (creation, editing, and deletion of user profiles).

User Stories and Acceptance Criteria:

1. **As a new resident, I want to register in the application.**
   - **Acceptance Criteria:**
     - There is a registration form for residents.
     - The system validates the registration data.
     - Resident information is stored in the database.
2. **As a doorman, I want to register in the application.**
   - **Acceptance Criteria:**
     - There is a registration form for doormen.
     - The system validates the registration data.
     - Doorman information is stored in the database.
3. **As a registered user, I want to log in to the application.**
   - **Acceptance Criteria:**
     - There is a login form.
     - The system authenticates the user securely.
     - User sessions and authentication tokens are managed.
4. **As a user, I want to manage my profile.**
   - **Acceptance Criteria:**
     - There are forms for editing and deleting profiles.
     - The system updates and deletes user data.
     - User interfaces for profile management are designed.

Module 2: Visitor and Delivery Notification

Features:

1. Sending visit and delivery notifications from residents to the doorman.
2. Generating and scanning QR codes for frequent visitors.

User Stories and Acceptance Criteria:

1. **As a resident, I want to notify the doorman about a visit.**
   - **Acceptance Criteria:**
     - There is a visit notification form.
     - The system sends notifications to the doorman.
     - Visit notifications are stored in the database.
2. **As a resident, I want to generate a QR code for my frequent visitors.**

- Acceptance Criteria:
    - The system generates QR codes.
    - There is an interface to view and manage QR codes.
    - Frequent visitor information is stored in the database.

Module 3: Internal Communication

Features:

1. Internal messaging system between doormen and residents.
2. Sending news and updates by the administration.

User Stories and Acceptance Criteria:

1. **As an administrator, I want to send news and updates to all residents.**
    - **Acceptance Criteria:**
        - There is a form for sending news and updates.
        - The system sends messages to all residents.
        - Messages and updates are stored in the database.

Module 4: Common Areas Management

Features:

1. Module for reserving the use of common areas.
2. Calendar view and availability of common areas.

User Stories and Acceptance Criteria:

1. **As a resident, I want to reserve the use of a common area.**
    - **Acceptance Criteria:**
        - There is a reservation form for common areas.
        - The system manages reservations and availability.
        - Reservation information is stored in the database.

Module 5: Access Control and Registration

Features:

1. Detailed registration of entries and exits of visitors and vehicles.

User Stories and Acceptance Criteria:

1. **As a doorman, I want to register the entries and exits of visitors.**
   - **Acceptance Criteria:**
     - There is a form for registering entries and exits.
     - The system stores and updates access records.
     - Access information is stored in the database.