

Name : Zulkifli Raihan  
Email: [zuran2907@gmail.com](mailto:zuran2907@gmail.com)  
Phone: +62 856-9116-6309  
LinkedIn: <https://www.linkedin.com/in/zulkifliraihan/>  
Github: <https://github.com/zulkifliraihan/>

1. URL Github Repository:  
[https://github.com/zulkifliraihan/test\\_dealls](https://github.com/zulkifliraihan/test_dealls)

#### Functional Requirements:

- User Registration: Users must be able to register with their email, name, and password.
- Password Hashing: Passwords must be hashed before being saved to the database.
- User Login: Users should be able to log in using their email and password.
- View Dating Profiles: Users can view other dating profiles.
- Swipe Action: Users can swipe left (not interested) or right (interested) on profiles.
- Daily Profile Limit: Users are limited to viewing 10 profiles per day without a premium package.
- Upgrade to Premium: Users can upgrade to a premium package.

#### Non-Functional Requirements:

- Security: The system must use JWT Bearer Token for authentication and ensure token consistency and security.
- Performance: The system should respond promptly to user requests.

#### System Design:

1. ERD Diagram:
  - a. Two tables are used: users and swipes.
    - i. Users Table:
      - id (uint)
      - name (varchar, not null)
      - email (varchar, not null)
      - password (varchar, not null)
      - premium (boolean, null)
      - last\_swipe (datetime, null)
      - created\_at (datetime, null)
      - updated\_at (datetime, null)
      - deleted\_at (datetime, null)
  - b. Swipes Table:
    - id (uint)
    - swiping\_user\_id (uint, references: users, id)
    - swiped\_user\_id (uint, references: users, id)
    - direction (varchar, not null)
    - created\_at (datetime, null)
    - updated\_at (datetime, null)
    - deleted\_at (datetime, null)

### Sequence Diagram:

- This diagram illustrates the interaction sequence between different system components.

### Test Scenario List:

1. Register:
  - Validate input fields such as name, email, and password.
  - Test scenarios include empty name, valid input, etc.
2. Login:
  - Verify input fields for email and password.
  - Test scenarios include empty email, valid credentials, etc.
3. Get and View Profile:
  - Test scenarios include token validation, non-premium user limit, success view profile.
4. Swipe Action:
  - Test scenarios include token validation, daily profile limit, encountering the same profile, success swipe.
5. Upgrade Package:
  - Test scenarios include token validation, success upgrade package.