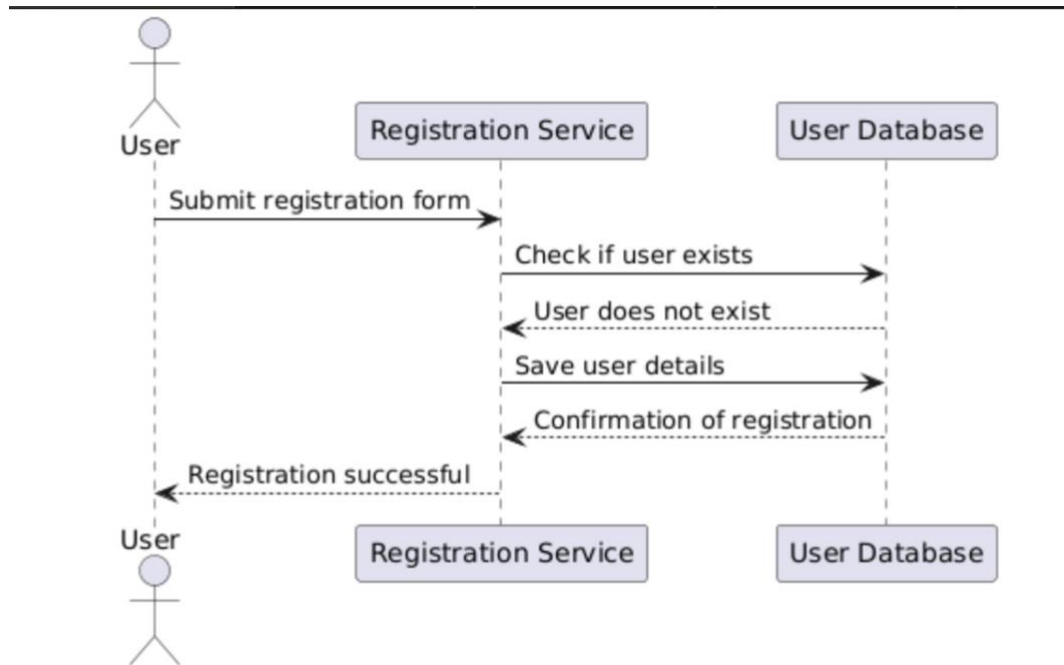


Sequence Diagram

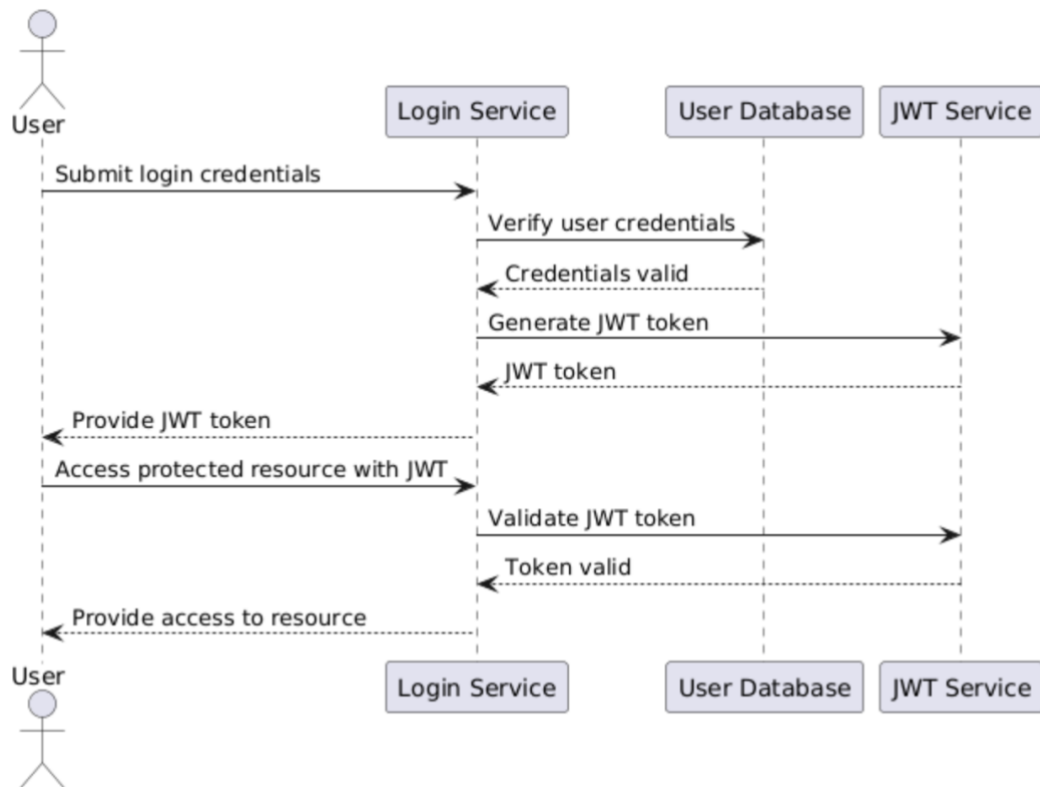
1. User Registration



Explanation

- User interacts with the Registration Service by submitting a registration form.
- Registration Service checks with the User Database to see if the user already exists.
- If the user does not exist, the Registration Service saves the user details to the User Database.
- The User Database confirms that the registration is successful to the Registration Service.
- The Registration Service then informs the User that the registration was successful.

2. User Login with JWT Authentication



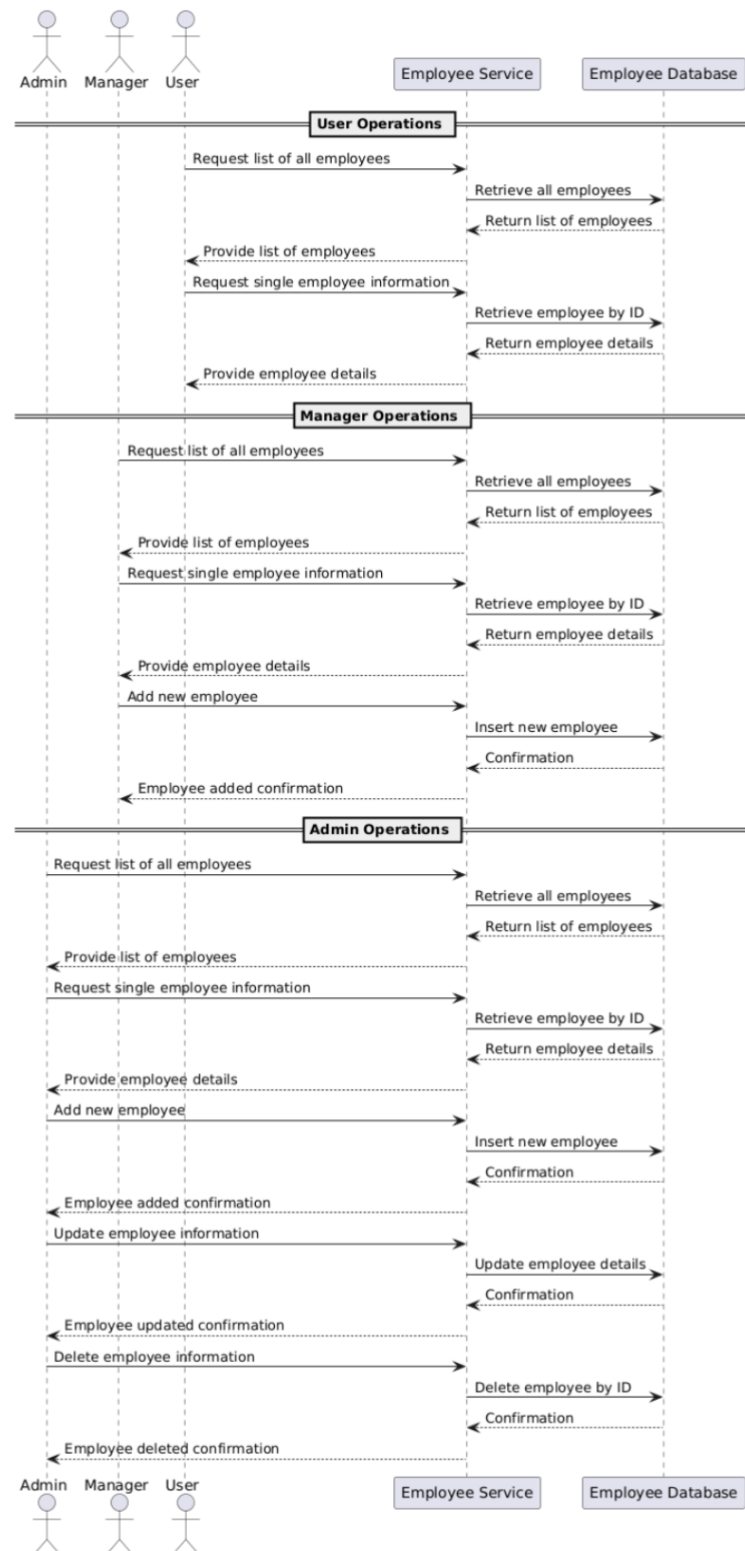
Explanation

- User submits login credentials to the Login Service.
- The Login Service verifies the credentials with the User Database.
- If the credentials are valid, the Login Service requests a JWT token from the JWT Service.
- The JWT Service generates and returns a JWT token to the Login Service.
- The Login Service provides the JWT token to the User.

In subsequent interactions:

- User uses the JWT token to access protected resources.
- Login Service validates the JWT token with the JWT Service.
- If the token is valid, the Login Service grants access to the requested resource.

3. CRUD Operations on Employees



Explanation

1. User:

- Read-Only Operations:
Can retrieve a list of all employees.
Can retrieve information for a single employee.

2. Manager:

- Read and Create Operations:
Can retrieve a list of all employees.
Can retrieve information for a single employee.
Can add new employee records.

3. Admin:

- Full CRUD Operations:
Can retrieve a list of all employees.
Can retrieve information for a single employee.
Can add new employee records.
Can update existing employee records.
Can delete employee records.