

## ## API Documentation

### ### 1. Register User

- **URL:** `/register`
- **Method:** `POST`
- **Description:** Registers a new user with the provided details.
- **Request Body:**
  - `UserName` (String, required): Unique username for the user.
  - `Name` (String, required): Full name of the user.
  - `Password` (String, required): User's password.
  - `CPassword` (String, required): Confirmation of the user's password.
  - `PhoneNo` (String, required): User's phone number.
  - `EmailID` (String, required): User's email address.
- **Response:**
  - `message`: Success message indicating successful registration.
- **Error Responses:**
  - `400 Bad Request`: If any provided data is invalid or missing.
  - `500 Internal Server Error`: If an unexpected error occurs during registration.

### ### 2. User Login

- **URL:** `/login`
- **Method:** `POST`
- **Description:** Logs in an existing user with the provided credentials.
- **Request Body:**
  - `UserName` (String): Username of the user.
  - `EmailID` (String): Email address of the user.
  - `Password` (String, required): User's password.
- **Response:**
  - `result`: Boolean indicating the login result.
  - `message`: Success message indicating successful login.
- **Error Responses:**
  - `400 Bad Request`: If credentials are invalid or missing.
  - `500 Internal Server Error`: If an unexpected error occurs during login.

### ### 3. Authenticate User

- **URL:** `/authenticate`
- **Method:** `GET`
- **Description:** Authenticates a user based on the provided JWT token.
- **Request Headers:**
  - `Authorization`: JWT token in the format `Bearer <token>`.

- **\*\*Response:\*\***
  - ``success``: Boolean indicating the authentication result.
  - ``user``: Object containing user details.
- **\*\*Error Responses:\*\***
  - ``401 Unauthorized``: If authentication fails due to invalid or missing token.
  - ``500 Internal Server Error``: If an unexpected error occurs during authentication.