# Users Web List Application - README

# This is a simple USERS WEB list application implemented as a C# .NET Core Web API. The application interacts with an external API (<https://reqres.in/>) to manage users. Below are the endpoints and instructions to test the application.

# Endpoints

# 1. Reading all USERS from a specific page

# Endpoint: GET /UserController/getUsers/{page}

# This endpoint retrieves a list of users from a specific page.

# 2. Read specific USER

# Endpoint: GET /UserController/getUser/{id}

# This endpoint retrieves a specific user by their ID.

# 3. Create a new USER

# Endpoint: POST /UserController/createUser

# This endpoint allows you to create a new user.

# 4. Update USER

# Endpoint: PUT /UserController/updateUser/{id}

# This endpoint allows you to update an existing user.

# 5. Delete USER

# Endpoint: DELETE /UserController/deleteUser/{id}

# This endpoint allows you to delete a user.

# Authentication

# The application implements authentication to secure the endpoints. To test the endpoints, you need to obtain a valid token by calling the following API:

# Endpoint: POST /TokenController/getToken

# Body: { "email": "usersapi@authentication.com", "password": "123456"}

# Take the received token and add it to the Authorization header as a Bearer token for each subsequent request to the UserController endpoints.

# CORS Configuration

# The application is configured to be consumed only by the following origins:

# [https://localhost](https://localhost/)

# [https://www.google.com](https://www.google.com/)

# [https://www.facebook.com](https://www.facebook.com/)

# Testing the Application

# Clone the repository from GitHub.

# Run the Users Web List Application.

# Use the test-SetIsOriginAllowed folder containing a React project that calls the WeatherForecastController to test CORS. Ensure that the application can only be accessed from the allowed origins mentioned above.

# Import the UsersApi.postman\_collection.json file into Postman to test the UserController endpoints.

# Before testing the UserController endpoints, get a valid token by running the "getToken" request in Postman with the provided email and password in the request body.

# Add the received token as an Authorization header (Bearer token) for each subsequent request to UserController endpoints.

# Test each endpoint and verify the responses.

# Note: Known Issue - User 23

# **Status 500 (Internal Server Error) for Valid Requests**

# One of the known issues is that when making requests for user 23, the application return a status of 500 (Internal Server Error). This behaviour is intentional and part of the application's error handling mechanism. It is not an actual error with the request, but rather a designed response. Thank you for your understanding.

# Thank you for reviewing this README. If you have any questions or need further assistance, please don't hesitate to contact us. Happy coding!