

README for Building and Running the Web App

Prerequisites

- **Visual Studio Code (VSC):** Ensure Visual Studio Code is installed. [Download VSC \(https://code.visualstudio.com/\)](https://code.visualstudio.com/).
- **Node.js:** Required to run the Next.js application. [Download Node.js \(https://nodejs.org/\)](https://nodejs.org/).
- **Next.js Library:** Installed within your Visual Studio Code environment.

Clone the Repository

Clone the repository to your local machine using the following command:

```
git clone https://github.com/AlanDataPortfolio/ey-azure-fn-pipeline.git
```

Navigate to the webapp folder in Visual Studio Code.

Install Required Dependencies

Before running the web app, ensure all necessary libraries and imports are installed:

Libraries and Imports Used

- **React Hooks:**

```
import { useState, useEffect } from 'react';
```

- **Routing:**

```
import { useRouter } from 'next/router';
```

- **Markdown Rendering:**

```
import ReactMarkdown from 'react-markdown';  
import remarkBreaks from 'remark-breaks';
```

- **HTTP Requests:**

```
const axios = require('axios'); // or  
import axios from 'axios';
```

Installation Command

Open the terminal in Visual Studio Code and navigate to the webapp directory, then run:

```
npm install
```

This command installs all dependencies as listed in the package.json file, ensuring that the imported libraries are correctly set up.

Run the Development Server

Start the development server by running:

```
npm run dev
```

This will start the application, typically at <http://localhost:3000>.

Accessing the App

Open your browser and go to:

```
http://localhost:3000/login
```

This link takes you directly to the login page of the web app.

Troubleshooting Tips

- **Ensure Node.js version compatibility:** Confirm that your Node.js version is compatible with the libraries being used.
- **Check for import errors:** If the app fails to compile, make sure all libraries (such as axios, react-markdown, and remark-breaks) are correctly imported and installed.

Project Acknowledgment

This project was conducted for EY by Team 14 of the Macquarie University PACE Program in Session 2, 2024. All rights belong to Team 14, EY, and Macquarie University.

Team 14 Members:

- Noorullah Khan | 47197404 | Project Manager, Lead Data & Software Engineer
- Ninuri Mahagoda | 46592156 | Business Analyst & Documentation
- Tashiya Vilathgamuwa | 46992162 | Business Analyst & Documentation
- Quoc Hung Nguyen | 47578130 | Cloud Solutions Architect & Infrastructure Lead
- Aasnayem Chowdhury | 46325824 | Data Engineer & Data Modeller