<u>SAURABH KUMAR JHA</u> <u>Evigway Technology Web-Development Task</u> <u>Report</u>

Overview

The task involved creating a basic CRUD (Create, Read, Update, Delete) web application using the MERN (MongoDB, Express.js, React.js, Node.js) stack. The goal was to build a simple web interface that allows users to interact with a REST API for managing a collection of notes.

Approach

Frontend:

- Technology Choice: We opted for the MERN stack, which includes MongoDB, Express.js, React.js, and Node.js, for our project.
- User Interface: We designed a user-friendly web interface with React, offering features for listing items, adding new items, editing existing items, and deleting items.
- Validation: We implemented client-side validation for user inputs and provided user-friendly error messages for feedback.
- Integration: We connected the frontend to the backend by making HTTP requests to the REST API.

Backend:

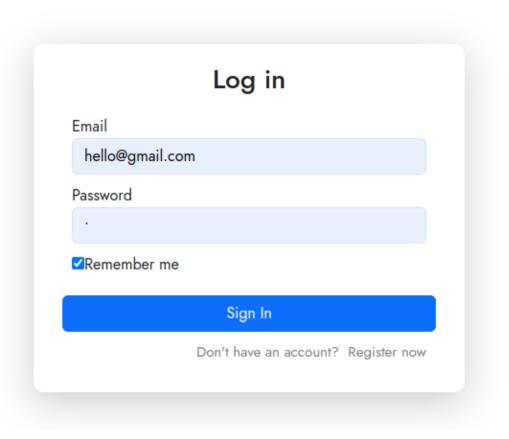
- Technology Choice: We used Express.js and Node.js to create a RESTful API for CRUD operations.
- Data Storage: We set up a MongoDB database and created a collection to store the data entities.
- Endpoints: We implemented endpoints for listing all items, creating a new item, updating an existing item, and deleting an item.

Successfully implemented a complete MERN-based web application, providing a functional user interface and a RESTful API.

Demonstrated the ability to perform CRUD operations on a data entity collection, including Create, Read, Update, and Delete.

Included client-side validation for user inputs, enhancing the user experience. Connected the frontend and backend, allowing seamless data interaction.

Snapshots:





MONGODB:

