CLO – 5

Midterm - React Front-End for a Small-Scale System

You are required to design and implement a React-based front-end for a small-scale system of your choice. This system should simulate real-world data handling and UI interactions, and it must be structured in a way that allows future integration with a backend (e.g., via REST APIs or Express).

The application should include:

- Use of **functional components** and **React Hooks** (useState, useEffect)

- At least one **form component** with input handling and validation

- At least one **dynamic data list** rendered using .map()

- Appropriate **UI feedback** (e.g., success message, error handling, conditionally rendered components)

- Optionally a **multi-page layout** using React Router (e.g., Dashboard, List View, Add New Item)

- Include Styling of components as well.

Submission Guidelines:

1. This is an individual person task.
2. Final project of the course is a team-based activity, but for midterm you are required to develop your own screens, at least 2-3 different layouts per student.
3. Submit a report with selected project, descriptions, screenshots and your Git repo link for code. Report should depict your own UIs.
4. Submission should also be done individually.