ENTNT ERP SYSTEM

The ERP system is a web application designed to facilitate the management of business activities such as product and order management, utilizing administrator credentials for access. Its primary function involves retrieving data from the server in JSON format and presenting it on a web server, typically accessed via Chrome browser, utilizing technologies such as HTML, CSS, JavaScript, and React JavaScript.

This web application deploys dynamic data, meaning that information displayed can change based on the requirements set by the administrator. This is achieved through the use of APIs, which enable the application to interact with external systems and services to fetch or update data as needed.

In this setup, two servers are utilized: http://localhost:3000 and http://localhost:4000.

The first server, hosted at http://localhost:3000, is responsible for fetching data from a JSON server and presenting it attractively to the administrator.

Meanwhile, the second server, located at http://localhost:4000, handles the dynamic manipulation of data within the web application.

To facilitate communication between these two servers, APIs have been implemented to serve as a bridge, enabling seamless interaction between the web server and the JSON server.

Installation Process to Run the Web Application:

1. Begin by installing Node.js and Visual Studio.

2. Once installed, create a folder named "Eproject" and within it, create a project directory named "entnterp".

3. Utilize Visual Studio's terminal or command line interface and execute the command: `npx create-react-app entnterp`. This command sets up the default structure for a React app.

4. To enable the web application to function properly, several installations are required.

5. Install Bootstrap by executing: `npm install bootstrap`.

6. Next, install React Bootstrap and Bootstrap together with: `npm install react-bootstrap bootstrap`.

7. Install Axios for handling HTTP requests by running: `npm install axios`.

8. Install React Router DOM for managing navigation within the React application via: `npm install react-router-dom`.

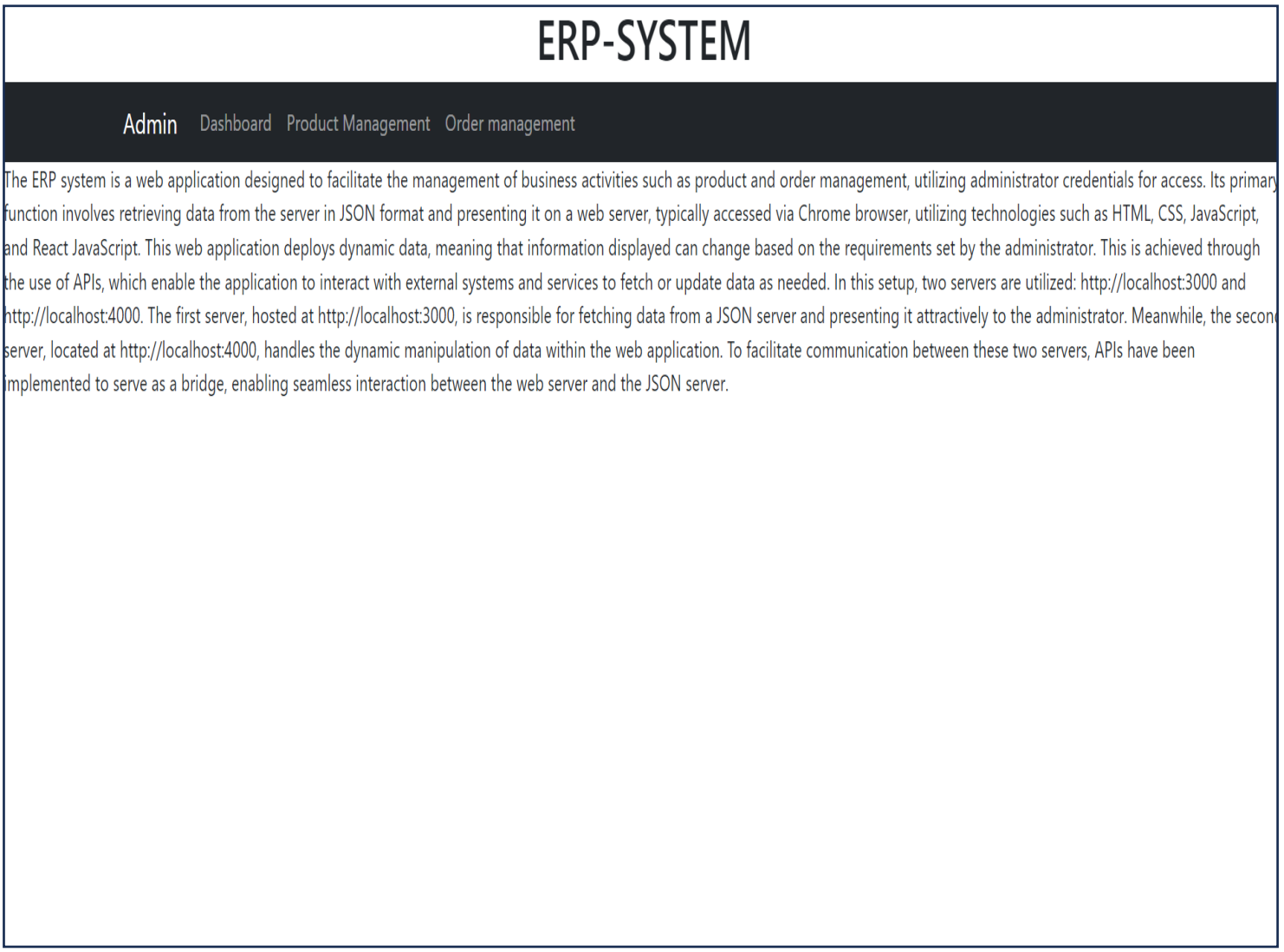
9. Additionally, install `json-server` globally with: `npm install-g json-server`.

10. Lastly, install `json-server` locally within the project directory using: `npm install json-server`.

11. To start the JSON server and watch for changes in the data file, execute the command: `json-server--watch data.json--port 4200`.

ERP SYSTEM: web application images

1. Admin Page :

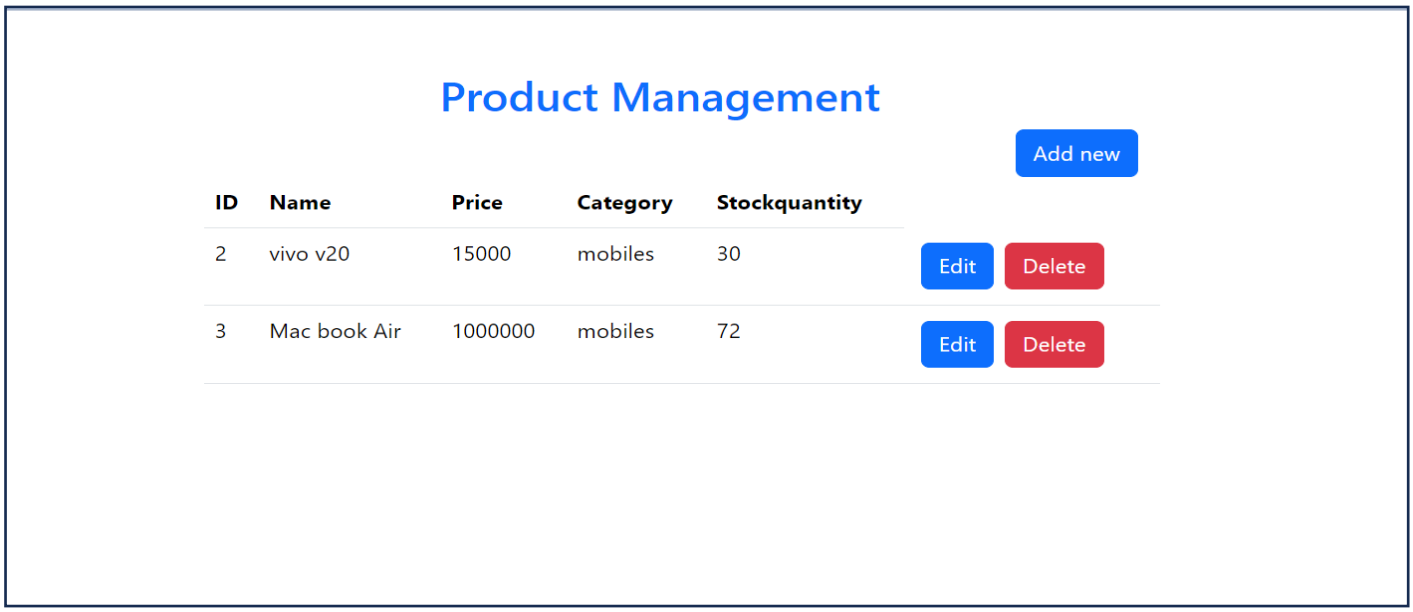


it shows details of web application and which activities we can perform

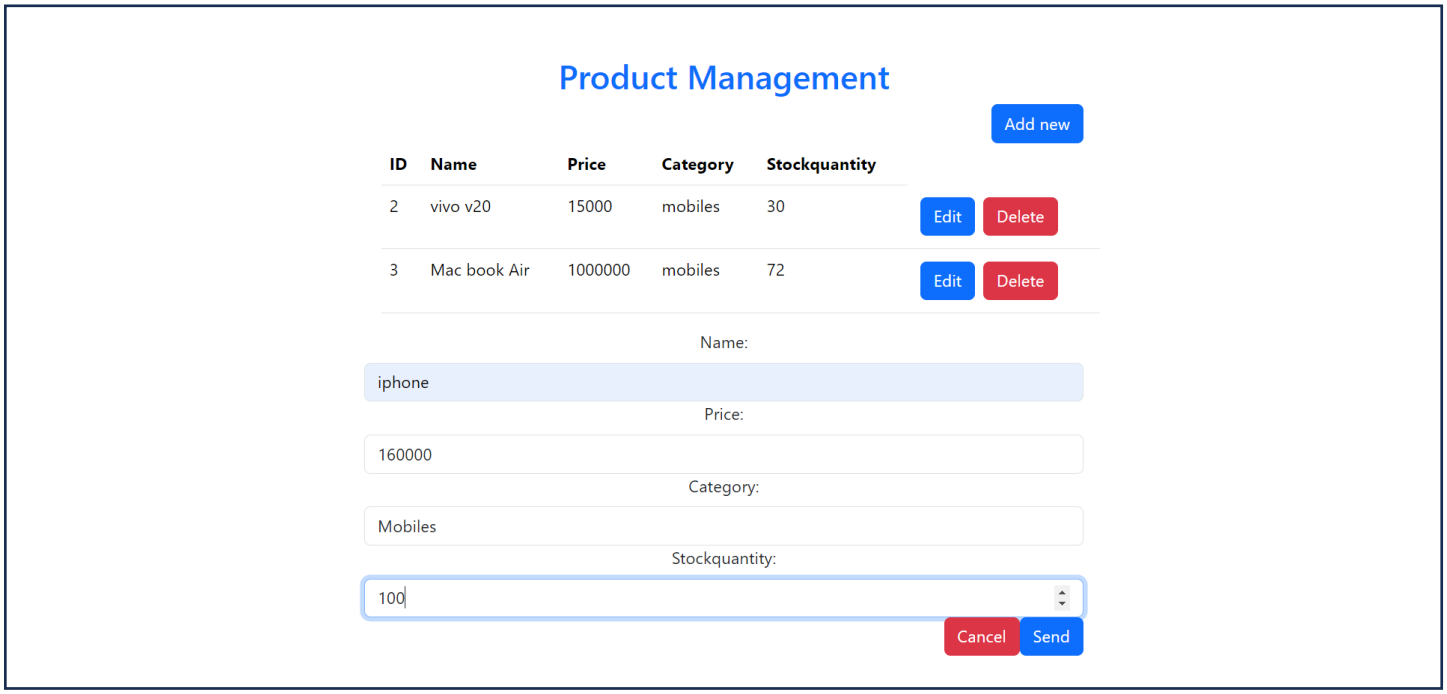
2.Dashboard

Actually it shows number of products and orders in this page based on the mock data but we are taken data dynamically .it means perform operations on the JSON server. So number of products and orders change dynamically.

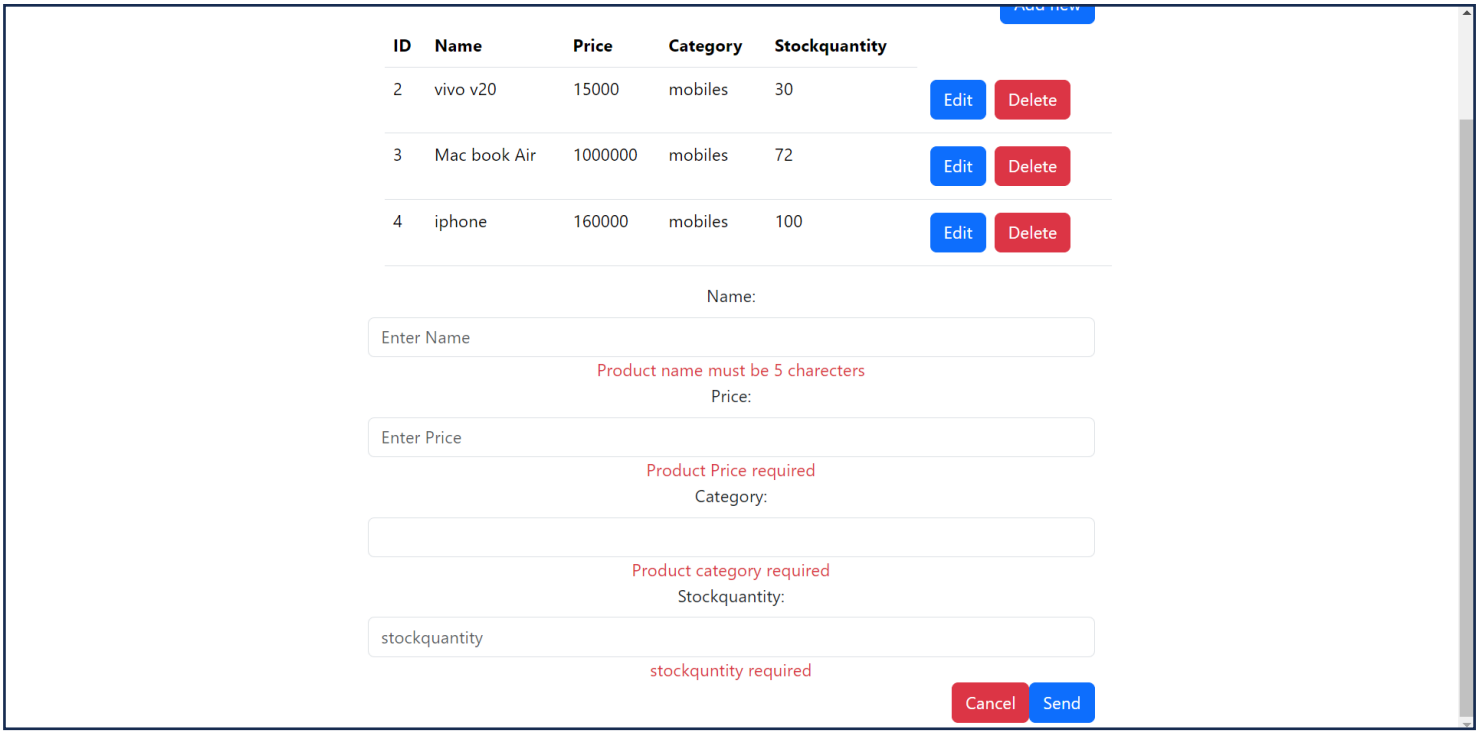
3. product management:



We perform curd operations in this page

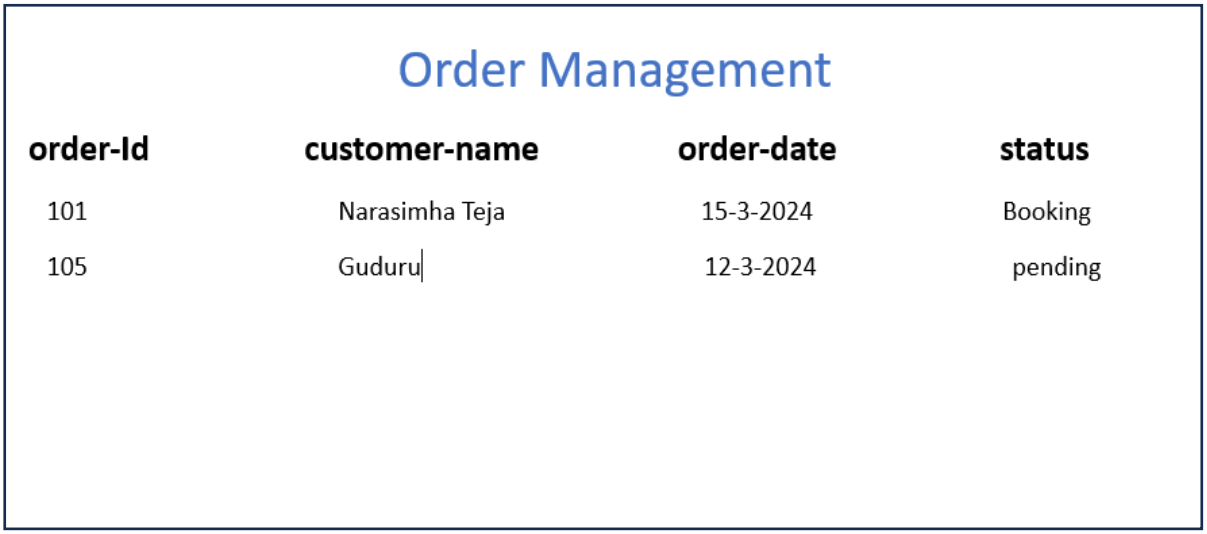


We are adding a product to the JSON server through web application



Performing validation to every field of form

4.Ordermanagement:



We know current status of orders and also, we can update also