

Assignment:

Objective:

Develop a React.js application that allows users to add **multiple passengers at once** using a form. Upon submission, all passenger data should be sent to the backend in a single request and displayed in a table.

Frontend (React.js)

Features to Implement

Form to Add Multiple Passengers:

Create a form that includes the following fields for each passenger:

- **Name** (Text input, required)
- **Age** (Number input, required)
- **Gender** (Dropdown with options: Male, Female, Other, required)
- **Contact** (Text input, optional)
- **Email** (Email input, optional)
- **Photo** (File input for PNG images)
- **ID Card** (File input for PDF documents)

Additional functionality:

- **"Add Passenger" Button** – Allows users to dynamically add more passenger rows.
 - **"Submit" Button** – Saves **all passenger** data to the backend at once.
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Display Passenger Data:

Once the form is submitted, display the list of passengers in a table format with the following columns:

- **Name**
- **Age**
- **Gender**
- **Contact**

- **Email**
- **Photo** – Display a thumbnail of the uploaded image.
- **ID Card** – Provide a link to download the uploaded PDF.

Ensure the table updates dynamically when new passengers are added.

Functionality:

- Allow adding multiple passengers at once using a single **"Submit"** button.
 - Validate form inputs (e.g., ensure name, age, and gender are required).
 - Handle file uploads for photos (PNG) and ID cards (PDF)..
 - Provide downloadable links for uploaded PDFs.
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Bonus Features (Optional):

- **Edit/Delete Passenger** – Enable users to update or remove a passenger from the table.
 - **Search Functionality** – Allow filtering passengers by name or email.
 - **State Management** – Use Redux or Context API for better state handling.
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Backend (Node.js/Express & MongoDB or any database)

Features to Implement:

- **Create a simple backend API** to handle:
 - **Passenger Creation (POST /passengers)** – Store passenger details along with file uploads.
 - **Retrieve Passengers (GET /passengers)** – Fetch and display all saved passengers.
- **File Upload Handling:**
 - Store uploaded images and PDFs in a designated folder.
 - Use Multer for handling file uploads.