

# Take home test (PE, SPE)

## Real-Time Flight Status Board - Frontend Task

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**Objective:** Develop a React-based application that mimics a real-time flight status board. This application should retrieve flight details from the provided API, update the data at regular intervals, and allow users to view more detailed information about a specific flight.

**Features:**

**1. Flight Table:**

- Fetch and display a list of flights in a table with columns for:
  - Flight Number
  - Airline
  - Origin
  - Destination
  - Departure Time
  - Status (e.g., "On Time", "Delayed", "Boarding", "Departed")
- Every 'x' seconds, fetch fresh data from the API to update the displayed flight statuses

**2. Detail View:**

- Clicking on a row (or a link within a row) should navigate the user to a detailed view of that flight.
- In the detailed view, fetch and display comprehensive data for the selected flight.

**3. Navigation:**

- Use React Router to handle navigation between the main flight board and the detailed flight view.

**4. Error Handling:** Provide feedback to the user if:

- There's an issue fetching data (network error, API limit exceeded, etc.).
- The requested flight details are unavailable.

**5. Styling:** The design should be clear and user-friendly, ensuring the board is easily readable.

### API Details

1. `https://flight-status-mock.core.travelopia.cloud/flights`
2. `https://flight-status-mock.core.travelopia.cloud/flights/:id`