**Cab Booking Application**

**Scenario:**  
You are asked to develop a simplified **cab booking web application.**

**Requirements:**

1. **Booking Form (HTML + CSS)**
   * Create a booking form with:
     + Passenger Name (text input)
     + Pickup Location (dropdown)
     + Drop Location (dropdown)
     + A **“Book Cab”** button
   * Style the form using CSS to look like a card.
2. **Data Handling (Functions, Objects, Arrays)**
   * Maintain a list of available cabs as an **array of objects**, each object containing:
     + Cab ID
     + Driver Name
     + Status (Available / Booked)
3. **Date Object**
   * When a cab is successfully booked, display the **current date and time** of booking.
4. **DOM Manipulation & Event Handling**
   * On clicking “Book Cab”:
     + Validate that all fields are filled.
     + Assign a cab from the array.
     + Display booking details (Passenger, Driver, Pickup, Drop, Time).
   * Add a **“Cancel Ride”** button that clears booking details from the DOM.
5. **BOM**
   * Show an alert (window.alert) when a cab is booked.
   * Warn the user with a confirmation message when they try to close/refresh the page (beforeunload).
6. **Asynchronous Operations**
   * Simulate cab status updates using setTimeout or setInterval.
   * Status should change in sequence every few seconds:
     + Cab Assigned → Cab Arriving → Ride Started → Ride Completed
7. **Callbacks**
   * Use a callback function to update ride status after booking.
8. **Promises**
   * Create a promise that:
     + **Resolves** if a cab is available (assigns cab).
     + **Rejects** if no cabs are available (show “No cab available”).
9. **Async/Await**
   * Implement async/await to simulate cab confirmation (like waiting for server response).

**Expected Outcome:**

When the user books a cab:

* If available → show booking details with driver and booking time.
* Ride status updates automatically until “Completed”.
* If no cab is available → show an error message.
* User can cancel ride anytime → DOM is updated.