

## JUnit and Jest Assessment

### Online Taxi booking System

#### W3H Analysis for front-end unit testing:

WHAT	HOW
<p><b>1. What are the features to be tested?</b></p> <p><b>CAB COMPONENT:</b></p> <ul style="list-style-type: none"><li>• The application's title has to be tested.</li><li>• Pickup location search bar has to be tested.</li><li>• Drop location search bar has to be tested.</li><li>• Booking page navigation button has to be tested.</li><li>• Customer page navigation button has to be tested.</li><li>• View button has to be tested.</li><li>• Book button has to be tested.</li><li>• Back button has to be tested.</li></ul> <p><b>CUSTOMER COMPONENT:</b></p> <ul style="list-style-type: none"><li>• Customer Id search bar has to be tested.</li><li>• Booking page navigation button has to be tested.</li><li>• Cab page navigation button has to be tested.</li><li>• View button has to be tested.</li><li>• Back button has to be tested.</li></ul> <p><b>BOOKING COMPONENT:</b></p> <ul style="list-style-type: none"><li>• Booking Id search bar has to be tested.</li><li>• Customer page navigation button has to be tested.</li><li>• Cab page navigation button has to be tested.</li><li>• View button has to be tested.</li><li>• Back button has to be tested.</li></ul> <p><b>2. What is the tool used for unit testing?</b></p> <p><b>Jest</b> is the tool which is used for backend unit testing.</p>	<p><b>1. How are the features to be tested?</b></p> <p><b>CAB COMPONENT:</b></p> <ul style="list-style-type: none"><li>• Method 1: By using get by title method we can execute the test cases.</li><li>• Method 2: By using get by title, get by role, get by id we can execute the test cases.</li><li>• <b>Method 3: By using all the methods as per requirement and comfort we can execute the test cases.</b></li></ul> <p><b>CUSTOMER COMPONENT:</b></p> <ul style="list-style-type: none"><li>• Method 1: By using get by title method we can execute the test cases.</li><li>• Method 2: By using get by title, get by role, get by id we can execute the test cases.</li><li>• <b>Method 3: By using all the methods as per requirement and comfort we can execute the test cases.</b></li></ul> <p><b>BOOKING COMPONENT:</b></p> <ul style="list-style-type: none"><li>• Method 1: By using get by title method we can execute the test cases.</li><li>• Method 2: By using get by title, get by role, get by id we can execute the test cases.</li><li>• <b>Method 3: By using all the methods as per requirement and comfort we can execute the test cases.</b></li></ul> <p><b>2. How is the tool used for testing?</b></p> <p><b>Method 1: Jest is the JavaScript testing framework which is used for front-end unit testing.</b></p>

WHY	WHY NOT
<p><b>Why are these features used for testing?</b></p> <p><b>CAB COMPONENT:</b></p> <ul style="list-style-type: none"> <li>Method 3: By using all the methods as per requirement and comfort we can execute the test cases.</li> </ul> <p>Because, based on the requirement of testing, choosing the method is fine and useful.</p> <p><b>CUSTOMER COMPONENT:</b></p> <ul style="list-style-type: none"> <li>Method 3: By using all the methods as per requirement and comfort we can execute the test cases.</li> </ul> <p>Because, based on the requirement of testing, choosing the method is fine and useful.</p> <p><b>BOOOKING COMPONENT:</b></p> <ul style="list-style-type: none"> <li>Method 3: By using all the methods as per requirement and comfort we can execute the test cases.</li> </ul> <p>Because, based on the requirement of testing, choosing the method is fine and useful.</p>	<p><b>Why are these features not used for testing?</b></p> <p><b>CAB COMPONENT:</b></p> <ul style="list-style-type: none"> <li>Method 1: By using get by title method we can execute the test cases.</li> <li>Method 2: By using get by title, get by role, get by id we can execute the test cases.</li> </ul> <p><b>Because, using some of the selected methods for execution of test will not be helpful.</b></p> <p><b>CUSTOMER COMPONENT:</b></p> <ul style="list-style-type: none"> <li>Method 1: By using get by title method we can execute the test cases.</li> <li>Method 2: By using get by title, get by role, get by id we can execute the test cases.</li> </ul> <p><b>Because, using some of the selected methods for execution of test will not be helpful.</b></p> <p><b>BOOKING COMPONENT:</b></p> <ul style="list-style-type: none"> <li>Method 1: By using get by title method we can execute the test cases.</li> <li>Method 2: By using get by title, get by role, get by id we can execute the test cases.</li> </ul> <p><b>Because, using some of the selected methods for execution of test will not not be helpful.</b></p>

## W3H Analysis for back-end unit testing:

WHAT	HOW
<p><b>1. What are the features to be tested?</b></p> <p><b>CAB:</b></p> <ul style="list-style-type: none"> <li>Getting all details from the database i.e. findAllcab method has to be tested.</li> <li>Searching for pickup location has to be tested.</li> <li>Searching for drop location has to be tested.</li> <li>Searching for cabs i.e. FindCabByld method has to be tested.</li> </ul> <p><b>CUSTOMER:</b></p> <ul style="list-style-type: none"> <li>Getting all details from the database i.e. findAllcustomer method has to be tested.</li> <li>Searching for customers based on id i.e. findCustomerByld method has to be tested.</li> </ul> <p><b>BOOKING:</b></p> <ul style="list-style-type: none"> <li>Getting all details from the database i.e. findAllBooking method has to be tested.</li> <li>Searching for booking based on id i.e. findBookingByld method has to be tested.</li> <li>Booking of cab i.e. addBooking method has to be tested.</li> </ul> <p><b>2. What is the tool used for unit testing?</b></p> <p><b>Ans: Junit</b> is the tool which is used for backend unit testing.</p>	<p><b>3. How are the features to be tested?</b></p> <p><b>CAB:</b></p> <ul style="list-style-type: none"> <li>Method 1: Inject the controller class and using the reference of controller, call the according method and using assertNull method and execute the test case.</li> <li><b>Method 2: Inject the controller class and using the reference of controller, call the according method and using assertNotNull method and execute the test case.</b></li> <li>Method 3: Inject the controller class and using the reference of controller, call the according method and using assertEquals method and execute the test case.</li> </ul> <p><b>CUSTOMER:</b></p> <ul style="list-style-type: none"> <li>Method 1: Inject the controller class and using the reference of controller, call the according method and using assertNull method and execute the test case.</li> <li>Method 2: Inject the controller class and using the reference of controller, call the according method and using assertEquals method and execute the test case.</li> <li><b>Method 3: Inject the controller class and using the reference of controller, call the according method and using assertNotNull method and execute the test case.</b></li> </ul> <p><b>BOOKING:</b></p> <ul style="list-style-type: none"> <li>Method 1: Inject the controller class and using the reference of controller, call the according method and using assertNull method and execute the test case.</li> <li><b>Method 2: Inject the controller class and using the reference of controller, call the according method and using assertNotNull method and execute the test case.</b></li> <li>Method 3: Inject the controller class and using the reference of controller, call the according method and using assertEquals method and execute the test case.</li> </ul> <p><b>4. How is the tool useful for testing?</b></p> <p><b>Method 2: Junit is used for backend unit testing.</b></p>

WHY	WHY NOT
-----	---------

<p><b>Why are these features used for testing?</b></p> <p><b>CAB:</b></p> <ul style="list-style-type: none"> <li>• <b>Method 2: Inject the controller class and using the reference of controller, call the according method and using assertNotNull method and execute the test case.</b></li> </ul> <p>Because as per user stories, get all details of cab, find a cab by its id, search by pickup location and search cab by drop location must be tested. assertNotNull method which tests the reference variable of a controller has a value or not. For that, this method is more than enough to test.</p> <p><b>CUSTOMER:</b></p> <ul style="list-style-type: none"> <li>• <b>Method 3: Inject the controller class and using the reference of controller, call the according method and using assertNotNull method and execute the test case.</b></li> </ul> <p>Because as per user stories, get all details of customer and find a customer by their id must be tested. assertNotNull method which tests the reference variable of a controller has a value or not. For that, this method is more than enough to test.</p> <p><b>BOOKING:</b></p> <ul style="list-style-type: none"> <li>• <b>Method 2: Inject the controller class and using the reference of controller, call the according method and using assertNotNull method and execute the test case.</b></li> </ul> <p>Because as per user stories, get all details of booking, add booking method and find a booking by id must be tested. assertNotNull method which tests the reference variable of a controller has a value or not. For that, this method is more than enough to test.</p> <p><b>2. Why is this tool used for testing?</b></p> <p><b>Method 2: Junit is good for unit testing.</b></p> <p><b>It is best for backend unit testing and test report is easy to access.</b></p>	<p><b>Why are these features not used for testing?</b></p> <p><b>CAB:</b></p> <ul style="list-style-type: none"> <li>• Method 1: Inject the controller class and using the reference of controller, call the according method and using assertNull method and execute the test case.</li> <li>• Method 3: Inject the controller class and using the reference of controller, call the according method and using assertEquals method and execute the test case.</li> </ul> <p><b>Because assertNull method is used to check whether the tested method is null. Also, assertEquals method is used to compare the values.</b></p> <p><b>So, it will not be appropriate for testing these features.</b></p> <p><b>CUSTOMER:</b></p> <ul style="list-style-type: none"> <li>• Method 1: Inject the controller class and using the reference of controller, call the according method and using assertNull method and execute the test case.</li> <li>• Method 2: Inject the controller class and using the reference of controller, call the according method and using assertEquals method and execute the test case.</li> </ul> <p><b>Because assertNull method is used to check whether the tested method is null. Also, assertEquals method is used to compare the values.</b></p> <p><b>So, it will not be appropriate for testing these features.</b></p> <p><b>BOOKING:</b></p> <ul style="list-style-type: none"> <li>• Method 1: Inject the controller class and using the reference of controller, call the according method and using assertNull method and execute the test case.</li> <li>• Method 3: Inject the controller class and using the reference of controller, call the according method and using assertEquals method and execute the test case.</li> </ul> <p><b>Because assertNull method is used to check whether the tested method is null. Also, assertEquals method is used to compare the values.</b></p> <p><b>So, it will not be appropriate for testing these features.</b></p>
--	---

## TEST DOCUMENT FOR JUNIT:

For cab controller:

-----

```
package com.taxi;
```

```
import static org.junit.jupiter.api.Assertions.*;
```

```
import org.junit.jupiter.api.Test;
```

```
import org.springframework.beans.factory.annotation.Autowired;
```

```
import org.springframework.boot.test.context.SpringBootTest;
```

```
import com.taxi.controller.CabController;
```

```
import com.taxi.model.Cab;
```

```
@SpringBootTest
```

```
class JunitForCabController {
```

```
@Autowired
```

```
private CabController cabController;
```

```
@Test
```

```
void testforSearch() {
```

```
    Cab cab=new Cab();
```

```
    cab=cabController.findByCabId(2);
```

```
    assertNotNull(cab);
```

```
}
```

```
@Test
```

```
void testforSearchPickup() {  
    Cab cab=new Cab();  
    cab=cabController.findCabPickup("Neyveli");  
    assertNotNull(cab);
```

```
}
```

```
@Test
```

```
void testforSearchDrop() {  
    Cab cab=new Cab();  
    cab=cabController.findCabDrop("Chennai");  
    assertNotNull(cab);
```

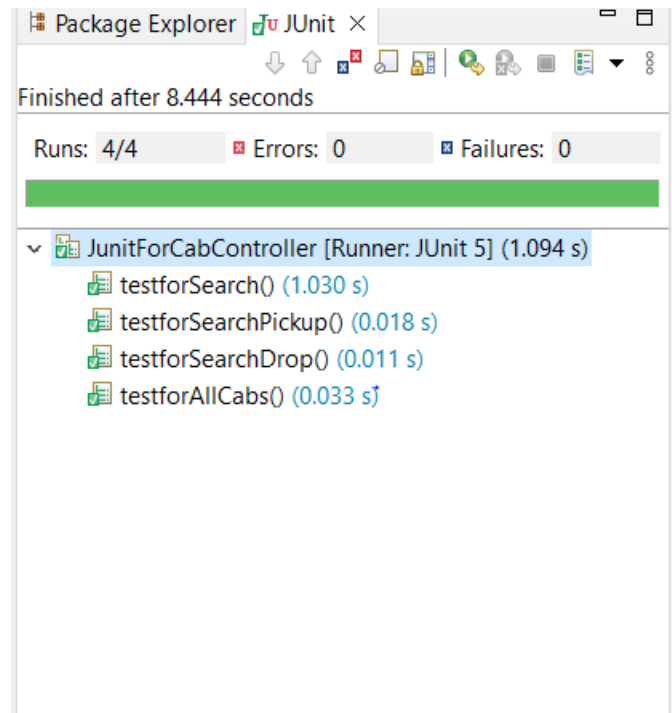
```
}
```

```
@Test
```

```
void testforAllCabs() {  
    List<Cab>cab=cabController.getAllCab();  
    assertNotNull(cab);
```

```
}
```

```
}
```



For Customer controller:

```
package com.taxi;

import static org.junit.jupiter.api.Assertions.*;

import java.util.List;

import org.junit.jupiter.api.Test;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.boot.test.context.SpringBootTest;

import com.taxi.controller.CustomerController;

import com.taxi.model.Customer;

@SpringBootTest

class JunitForCustomerController {

    @Autowired

    private CustomerController customerController;

    @Test

    void testforSearch() {

        Customer customer=new Customer();

        customer=customerController.findCustomerId(3);

        assertEquals(customer.getCustomerName(), "Srinivasan");

    }

    @Test
```



```

void testforAllCustomers() {

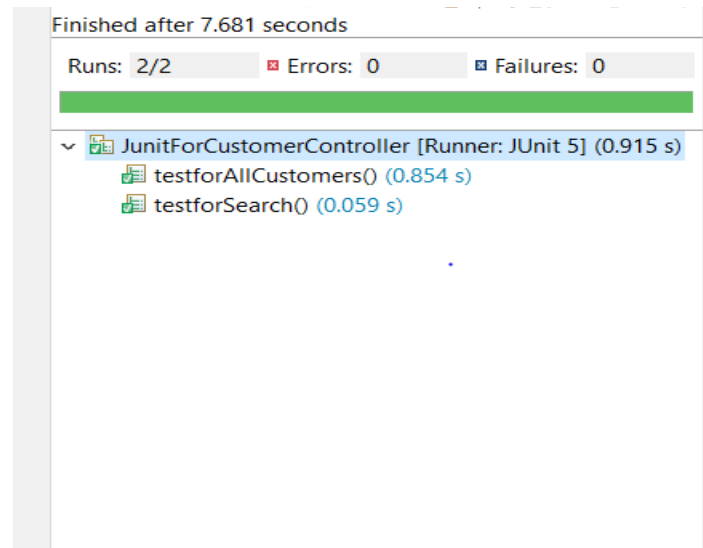
List<Customer> customer=customerController.getAllcustomers();

assertNotNull(customer);

}

}

```



For booking cntroller:

```
package com.taxi;
```

```
import static org.junit.jupiter.api.Assertions.assertNotNull;
```

```
import java.util.List;
```

```
import org.junit.jupiter.api.Order;
```

```
import org.junit.jupiter.api.Test;
```

```
import org.springframework.beans.factory.annotation.Autowired;
```

```
import org.springframework.boot.test.context.SpringBootTest;
```

```
import com.taxi.controller.BookingController;
import com.taxi.model.Booking;
import com.taxi.model.Cab;
import com.taxi.model.Customer;
```

```
@SpringBootTest
```

```
class OnlineTaxiBookingApplicationTests {
```

```
@Autowired
```

```
private BookingController bookingController;
```

```
// for booking controller
```

```
@Test
```

```
void getallbookingTest() {
```

```
List<Booking> book = bookingController.findAllBooking();
```

```
System.out.println(book);
```

```
assertNotNull(book);
```

```
}
```

```
// for adding
```

```
@Test
```

```
@Order(2)
```

```
void addBooking() {
```

```
Booking book = new Booking();
```

```
Customer customer = new Customer();
```

```
Cab cab = new Cab();
```

```
book.setBookingStatus("booked");
```

```
customer.setCustomerId(3);
```

```
cab.setCabId(1);
```

```
book.setCustomer(customer);
```

```
book.setCab(cab);
```

```
Booking result = bookingController.addBooking(book);
```

```
assertNotNull(result);
```

```
}
```

```
@Test
```

```
@Order(2)
```

```
void getBooking() {
```

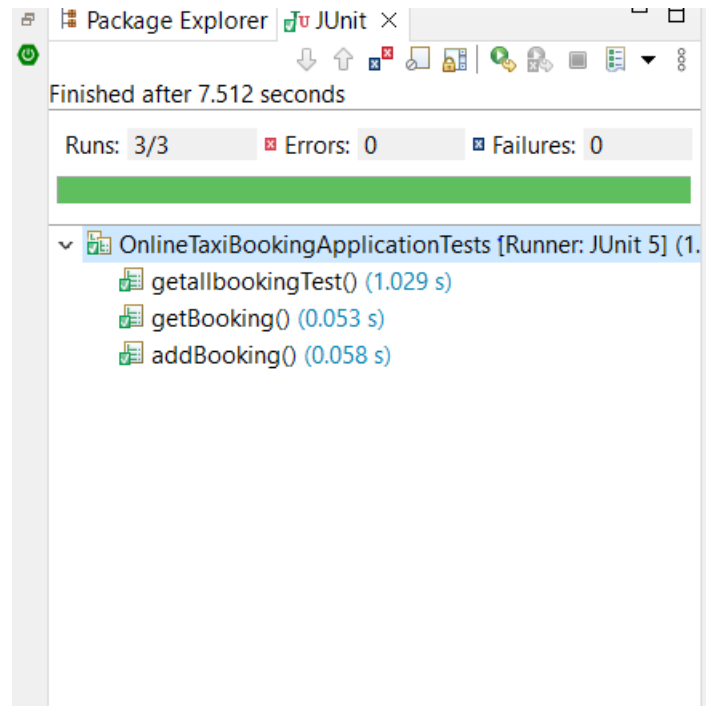
```
Booking book = new Booking();
```

```
book = bookingController.findBookingId(1);
```

```
assertNotNull(book);
```

```
}
```

```
}
```



## JEST Tests:

### For Booking page:

```
import { fireEvent, render, screen } from "@testing-library/react";
import BookingHome from "../Pages/BookingHome";
import CabHome from "../Pages/CabHome";
import "@testing-library/jest-dom";
import AddBooking from "../Pages/AddBookng";
jest.mock("react-router-dom");
```

```
describe("test for booking home page", () => {
  test("renders nav bar title", () => {
    render(<BookingHome />);
    const linkElement = screen.getByTestId("title");
    expect(linkElement).toBeInTheDocument();
    expect(linkElement).toHaveTextContent(
      "Online Taxi Booking Management System"
    );
  });

  test("test search is present", () => {
    render(<BookingHome />);
    const linkElement = screen.getByTitle("search");
    expect(linkElement).toBeInTheDocument();
  });

  test("customer navigate link", () => {
    render(<BookingHome />);
    const customerElement = screen.getByRole("customer");
    expect(customerElement).toBeInTheDocument();
  });

  test("cab navigate link", async () => {
    render(<BookingHome />);
    const cabElement = await screen.findByRole("cab");
    console.log(cabElement);
    expect(cabElement).toBeInTheDocument();
  });

  test("view button", async () => {
    render(<BookingHome />);
    const viewElement = screen.getByText(/View/i);
    expect(viewElement).toBeInTheDocument();
  });
});
```

```
PASS src/App.test.js (6.181 s)
```

```
test for booking home page
```

- ✓ renders nav bar title (557 ms)
- ✓ test search is present (13 ms)
- ✓ customer navigate link (63 ms)
- ✓ cab navigate link (49 ms)
- ✓ view button (24 ms)

One of your dependencies, babel-preset-react-app, is importing the "@babel/plugin-proposal-private-property-in-object" package without declaring it in its dependencies. This is currently working because "@babel/plugin-proposal-private-property-in-object" is already in your node\_modules folder for unrelated reasons, but it may break at any time.

babel-preset-react-app is part of the create-react-app project, which is not maintained anymore. It is thus unlikely that this bug will ever be fixed. Add "@babel/plugin-proposal-private-property-in-object" to your devDependencies to work around this error. This will make this message go away.

```
Test Suites: 1 passed, 1 total
```

```
Tests: 5 passed, 5 total
```

```
Snapshots: 0 total
```

```
Time: 13.472 s, estimated 17 s
```

```
Ran all test suites related to changed files.
```

```
Watch Usage: Press w to show more.
```

### For Cab Page:

```
import { fireEvent, render, screen } from "@testing-library/react";  
import BookingHome from "../Pages/BookingHome";
```

```
import CabHome from "../Pages/CabHome";
import "@testing-library/jest-dom";
import AddBooking from "../Pages/AddBookng";
jest.mock("react-router-dom");

describe("test for cab page", () => {

  test("renders nav bar title", () => {
    render(<CabHome />);
    const linkElement = screen.getByTestId("title");
    expect(linkElement).toBeInTheDocument();
    expect(linkElement).toHaveTextContent(
      "Online Taxi Booking Management System"
    );
  });

  test("pickup location", () => {
    render(<CabHome />);
    const searchpickup = screen.getByPlaceholderText(
      "Search by pickup location..."
    );
    expect(searchpickup).toBeInTheDocument();
  });

  test("drop location", () => {
    render(<CabHome />);
    const searchdrop = screen.getByPlaceholderText(
      "Search by drop location..."
    );
    expect(searchdrop).toBeInTheDocument();
  });

  test("customer navigate link", () => {
    render(<CabHome />);
    const customerElement = screen.getByRole("customer");
    expect(customerElement).toBeInTheDocument();
  });

  test("booking navigate link", () => {
    render(<CabHome />);
    const customerElement = screen.getByRole("booking");
    expect(customerElement).toBeInTheDocument();
    // expect(linkElement).toHaveTextContent("Go to Customer Page");
  });
});
```

```

});
test("give value to pickup location search bar", () => {
  render(<CabHome />);
  fireEvent.change(
    screen.getByPlaceholderText("Search by pickup location...")
  ),
  {
    target: { value: "Neyveli" },
  };
});
test("give value to drop location search bar", () => {
  render(<CabHome />);
  fireEvent.change(screen.getByPlaceholderText("Search by drop location...")),
  {
    target: { value: "Cuddalore" },
  };
});
});
});

```

**PASS** src/App.test.js (7.4 s)

test for cab page

- ✓ renders nav bar title (633 ms)
- ✓ pickup location (18 ms)
- ✓ drop location (12 ms)
- ✓ customer navigate link (61 ms)
- ✓ booking navigate link (23 ms)
- ✓ give value to pickup location search bar (11 ms)
- ✓ give value to drop location search bar (12 ms)

One of your dependencies, babel-preset-react-app, is importing the "@babel/plugin-proposal-private-property-in-object" package without declaring it in its dependencies. This is currently working because "@babel/plugin-proposal-private-property-in-object" is already in your node\_modules folder for unrelated reasons, but it may break at any time.

babel-preset-react-app is part of the create-react-app project, which is not maintained anymore. It is thus unlikely that this bug will ever be fixed. Add "@babel/plugin-proposal-private-property-in-object" to your devDependencies to work around this error. This will make this message go away.

Test Suites: 1 passed, 1 total

Tests: 7 passed, 7 total

Snapshots: 0 total

Time: 11.574 s

Ran all test suites related to changed files.



### For add booking page:

```
describe("Test for booking cab page", () => {
  test("pickup location text field", () => {
    render(<AddBooking />);
    const pickup = screen.getByPlaceholderText("Enter pickup location");
    expect(pickup).toBeInTheDocument();
  });

  test("give value to pickup location ", () => {
    render(<AddBooking />);
    fireEvent.change(screen.getByPlaceholderText("Enter pickup location"),
      {
        target: { value: "Neyveli" },
      });
  });

  test("drop location text field", () => {
    render(<AddBooking />);
    const drop = screen.getByPlaceholderText("Enter drop location");
    expect(drop).toBeInTheDocument();
  });

  test("give value to drop location ", () => {
    render(<AddBooking />);
    fireEvent.change(screen.getByPlaceholderText("Enter drop location"),
      {
        target: { value: "Cuddalore" },
      });
  });

  test("for booking status ", () => {
    render(<AddBooking />);
    fireEvent.change(screen.getByPlaceholderText("Enter booking status"),
      {
        target: { value: "booked" },
      });
  });

  test("customer dropdown", () => {
    render(<AddBooking />);
    const customer = screen.getByRole("customerdropdown");
    expect(customer).toBeInTheDocument();
  });
});
```

```
});

//fireevent -Insert pickup loc
it("tests the pick up event", async () => {
  render(<AddBooking placeholder="Enter pickup location" />);
  const input = screen.getByPlaceholderText("Enter pickup location");
  const value = "Neyveli";
  fireEvent.change(input, {
    target: {
      value,
    },
  });
  expect(input).toHaveValue("Neyveli");
});

test("for save button", () => {
  render(<AddBooking />);
  const customer = screen.getByRole("savebutton");
  expect(customer).toBeInTheDocument();
});
});
```

**PASS** src/App.test.js (17.22 s)

Test for booking cab page

- ✓ pickup location text field (833 ms)
- ✓ give value to pickup location (24 ms)
- ✓ drop location text field (22 ms)
- ✓ give value to drop location (17 ms)
- ✓ for booking status (18 ms)
- ✓ customer dropdown (85 ms)
- ✓ tests the pick up event (25 ms)
- ✓ for save button (23 ms)

One of your dependencies, babel-preset-react-app, is importing the "@babel/plugin-proposal-private-property-in-object" package without declaring it in its dependencies. This is currently working because

One of your dependencies, babel-preset-react-app, is importing the "@babel/plugin-proposal-private-property-in-object" package without declaring it in its dependencies. This is currently working because "@babel/plugin-proposal-private-property-in-object" is already in your node\_modules folder for unrelated reasons, but it may break at any time.

babel-preset-react-app is part of the create-react-app project, which is not maintained anymore. It is thus unlikely that this bug will ever be fixed. Add "@babel/plugin-proposal-private-property-in-object" to your devDependencies to work around this error. This will make this message go away.

Test Suites: 1 passed, 1 total

Tests: 8 passed, 8 total

Snapshots: 0 total

Time: 26.443 s

Ran all test suites related to changed files.

#### Watch Usage

- > Press a to run all tests.
- > Press f to run only failed tests.
- > Press q to quit watch mode.
- > Press p to filter by a filename regex pattern.
- > Press t to filter by a test name regex pattern.
- > Press Enter to trigger a test run.

```
//fireevent -Insert pickup loc
it("tests the pick up event", async () => {
  render(<AddBooking placeholder="Enter pickup location" />);
  const input = screen.getByPlaceholderText("Enter pickup location");
  const value = "Ney";
  fireEvent.change(input, {
    target: {
      value,
    },
  });
  expect(input).toHaveValue("Neyveli");
});
```

If we give unmatched data means, testcase will fail.

```
FAIL src/App.test.js (13.541 s)
Test for booking cab page
  ✓ pickup location text field (683 ms)
  ✓ give value to pickup location (22 ms)
  ✓ drop location text field (17 ms)
  ✓ give value to drop location (20 ms)
  ✓ for booking status (16 ms)
  ✓ customer dropdown (76 ms)
  ✗ tests the pick up event (26 ms)

• Test for booking cab page > tests the pick up event

expect(element).toHaveValue(Neyveli)

Expected the element to have value:
  Neyveli
Received:
  Ney

151 |         },
152 |       });
> 153 |       expect(input).toHaveValue("Neyveli");
      |                        ^
154 |     });
155 |   });
156 |

at Object.<anonymous> (src/App.test.js:153:19)
```

### For customer page:

```
describe("for customer home page", () => {
  test("renders nav bar title", () => {
    render(<CustomerHome />);
    const linkElement = screen.getByTestId("title");
    expect(linkElement).toBeInTheDocument();
    expect(linkElement).toHaveTextContent(
      "Online Taxi Booking Management System"
    );
  });

  test("customer id search bar", () => {
    render(<CustomerHome />);
    const searchcust = screen.getByPlaceholderText("Search by id...");
    expect(searchcust).toBeInTheDocument();
  });

  test("give value to customer id search bar", () => {
    render(<CustomerHome />);
    fireEvent.change(screen.getByPlaceholderText("Search by id..."),
      {
        target: { value: "1" },
      });
  });

  test("booking navigate link", () => {
    render(<CustomerHome />);
    const customerElement = screen.getByRole("booking");
    expect(customerElement).toBeInTheDocument();
  });

  test("cab navigate link", () => {
    render(<CustomerHome />);
    const customerElement = screen.getByRole("cab");
    expect(customerElement).toBeInTheDocument();
  });

  //fireevent - search customer id
  it("tests the customer id search event", async () => {
    render(<CustomerHome placeholder="Search by id..." />);
    const input = screen.getByPlaceholderText("Search by id...");
    const value = "1";
    fireEvent.change(input, {
      target: {
```

```
        value,  
      },  
    });  
    expect(input).toHaveValue("1");  
  });  
});
```

**PASS** src/App.test.js (16.324 s)

for customer home page

- ✓ renders nav bar title (760 ms)
- ✓ customer id search bar (11 ms)
- ✓ give value to customer id search bar (19 ms)
- ✓ booking navigate link (53 ms)
- ✓ cab navigate link (22 ms)
- ✓ tests the customer id search event (26 ms)

Node.js v18.12.1

Test Suites: 1 passed, 1 total

Tests: 6 passed, 6 total

Snapshots: 0 total

Time: 28.755 s

Ran all test suites related to changed files.

Watch Usage: Press w to show more.

```
//fireevent -search customer id
```

```

it("tests the customer id search event", async () => {
  render(<CustomerHome placeholder="Search by id..." />);
  const input = screen.getByPlaceholderText("Search by id...");
  const value = "1";
  fireEvent.change(input, {
    target: {
      value,
    },
  });
  expect(input).toHaveValue("2");
});

```

If we give unmatched data means, testcase will fail.

```

FAIL src/App.test.js (7.306 s)
  for customer home page
    ✓ renders nav bar title (715 ms)
    ✓ customer id search bar (20 ms)
    ✓ give value to customer id search bar (15 ms)
    ✓ booking navigate link (65 ms)
    ✓ cab navigate link (27 ms)
    ✗ tests the customer id search event (31 ms)

  ● for customer home page > tests the customer id search event

    expect(element).toHaveValue(2)

    Expected the element to have value:
      2
    Received:
      1

      207 |         },
      208 |       });
    > 209 |       expect(input).toHaveValue("2");
          |                           ^
      210 |     });
      211 |   });
      212 |

```