

## Test Scripts 1:

Test features:

- Sign up
- Log in

The **User Signup and Login Test** ensures users can create an account and log in using the same credentials by navigating to the signup page, registering, and verifying login success through the "Book a Flight" page.

### The output for test scripts 1:

```
# Test 1: User Signup and Login Test
Opened signup page.
Signed up with new user credentials.
Logged in with the same credentials.
Login successful, redirected to 'Book a Flight' page.
Test 1 Success: User Signup and Login Test completed successfully.
```

## Test Scripts 2:

Test features:

- Search valid flight
- Verify search result

The **Search and Book a Valid Flight Test** validates the flight search functionality by logging in, entering flight details, and confirming that search results are displayed.

### The output for test scripts 2:

```
# Test 2: Search and Book a Valid Flight Test
Logged in with existing user credentials.
Opened book flight page.
Searched for a valid flight.
Flight search successful, results displayed.
Test 2 Success: Search and Book a Valid Flight Test completed successfully.
```

## Test Scripts 3:

Test features:

- Select seat for valid flight
- Enter valid card details
- Verify booking success

Successfully Book a Flight Test examines the complete booking process, including logging in, searching for a flight, selecting a seat, confirming booking details, entering payment information, and verifying success through the "Booking History" page.

### The output for test scripts 3:

```
# Test 3: Successfully Book a Flight Test
Logged in with existing user credentials.
Opened book flight page.
Searched for a valid flight.
Navigated to the 'Select Seats' page.
Selected the first available seat.
Confirmed booking details.
Entered valid card details.
Clicked Confirm Payment button.
Flight booking successful, redirected to 'Booking History' page.
Test 3 Success: Successfully Book a Flight Test completed successfully.
```

## Instructions:

1. To run the test scripts, first you need to install required dependencies in terminal.

```
pip install -r requirements.txt
```

2. Browser Setup:

- **Google Chrome:** Ensure google chrome is installed.
- **ChromeDriver:** The script automatically manages the ChromeDriver using webdriver-manager.

3. Run the Tests:

Execute app.py in terminal:

```
python app.py
```

Meanwhile, run test\_e2e.py in a separate terminal:

```
python test_e2e.py
```

The script will automatically discover and run all test cases defined in the file.