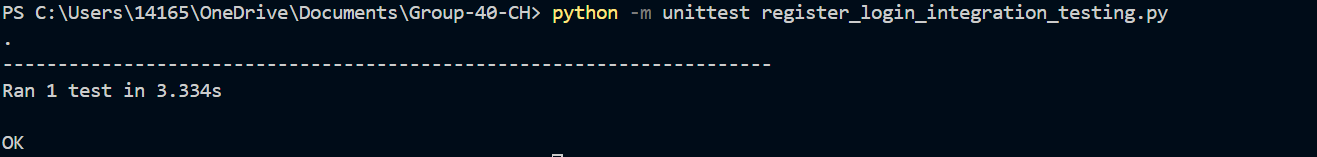
**To execute the integration test scripts:**

* make sure you are in the root directory of the folder after creating the virtual environment. Run: python -m unittest test-script-name.py

1. Register\_login\_integration\_testing

This test verifies that a new user can successfully register and then log in with the chosen registration details. It works by sending a POST request to /register with valid user details and then asserting that the response redirects to the /login page. It then sends a POST request to the /login page with the same user details and asserts that the response redirects to the /route which is our homepage (flightSearch)



1. profile\_integration\_testing.py

This test ensures that a logged-in user can successfully update their profile details. It works by sending a POST request to the /profile/{email} route with valid user details (including first name, last name, email, and password). It also checks for error handling, ensuring that the user is shown appropriate error messages when passwords do not match or when required fields are left blank.

A black screen with white text

Description automatically generated

1. seat\_selection\_integration\_testing.py

This test verifies that a logged-in user can successfully select seats for a flight. It simulates a user who is logged in (by setting the session with the user's email) and sends a POST request to the /save-seat-selection route with the seat choices. The test checks whether the seat selection is correctly saved in the database for the logged-in user and ensures that the user is redirected to the profile management page after a successful selection. Additionally, the test validates that if the user is not logged in, they are redirected to the login page when trying to access the seat selection page.

