

Software Engineering IT314 Project: Student leave and TA assistantship management Group: 9

• Group Members:

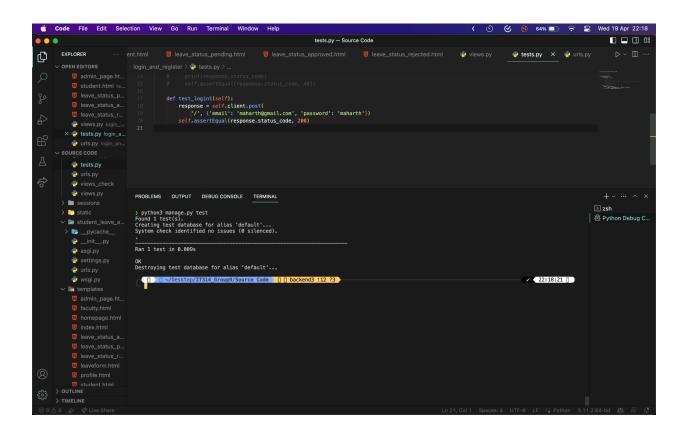
- o Preksha Anand 202001061
- Maharth Thakar 202001069
- Meet Patel 202001074
- o Kartik Dangi 202001079
- o Harsh Kathiriya 202001088
- o Kuldipsinh Gohil 202001092
- o Neha Miglani 202001097
- Harsh Anand 202001101
- Darshan Kheni 202001109

Lab: 08

Date: 19-04-2023

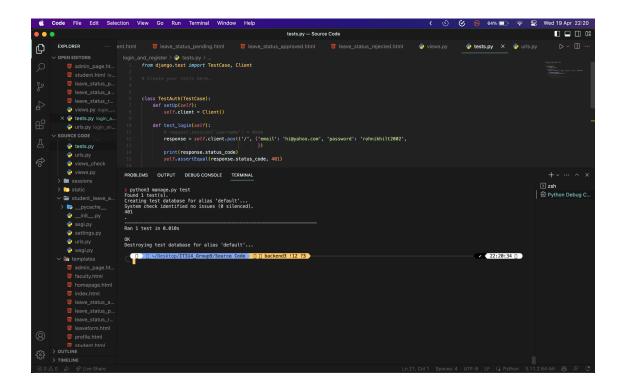
* Taking the module of Login form for testing the test case.

➤ Test Case 1



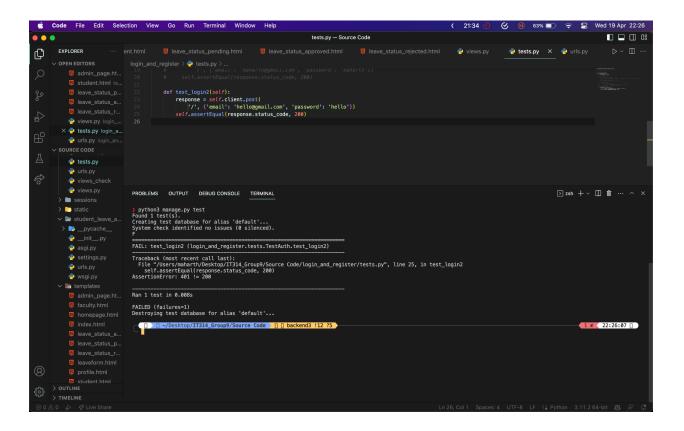
• The above test case passes with response code 200 (OK) as the username and password credentials match the database values.

➤ Test Case 2



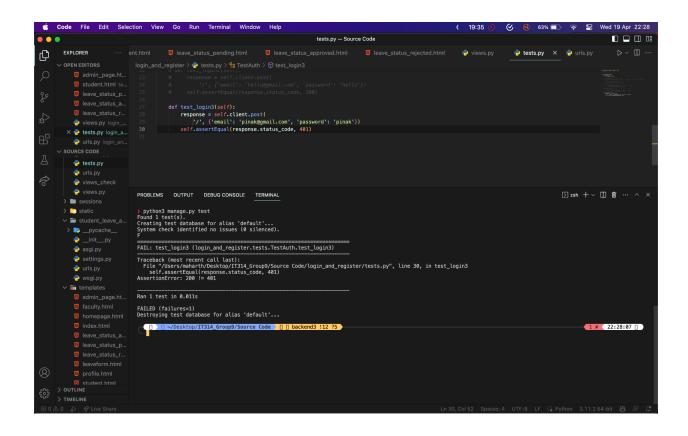
- The above test case passed with the response code 401 (Invalid Authentication) as the credentials are wrong in the above test case.
- But the result shows as OK as we predicted the wrong result.

> Test Case 3



 The above code test case fails as we predicted the correct result with the response code of 200 (OK) but eh provided credentials are wrong, which ultimately gives us the failure.

> Test Case 4



 The above test case failed as we predicted wrong with the response code 401, but we tested it with the correct credentials, which ultimately failed. The test.py file in the Django framework supports unit testing, and here is the code for the same:

```
from django.test import TestCase, Client
class TestAuth(TestCase):
  def setUp(self):
      self.client = Client()
  def test login(self):
       response = self.client.post('/', {'email': 'hi@yahoo.com', 'password':
rohnikhilt2002',
                                         })
      print(response.status code)
      self.assertEqual(response.status code, 401)
  def test login1(self):
      response = self.client.post(
           '/', {'email': 'maharth@gmail.com', 'password': 'maharth'})
      self.assertEqual(response.status code, 200)
  def test_login2(self):
      response = self.client.post(
           '/', {'email': 'hello@gmail.com', 'password': 'hello'})
      self.assertEqual(response.status_code, 200)
  def test_login3(self):
      response = self.client.post(
           '/', {'email': 'pinak@gmail.com', 'password': 'pinak'})
       self.assertEqual(response.status_code, 401)
```

If a test is failed, I fix it by making the correct combinations of usernames and passwords.