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 CISC 327
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Project Assignment 2

Front End Development and Testing

This file contains screenshots of all our executed test scripts created for this assignment. We show them executing altogether and then individually per test.

1. All Tests

Running all tests together using `pytest tests/`, we see that they all pass.

```
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$ pytest tests/
===== test session starts =====
platform linux -- Python 3.10.12, pytest-8.3.3, pluggy-1.5.0
rootdir: /home/trevorwh113/CISC327-G8/app
collected 55 items

tests/test_client_by_name.py ... [ 5%]
tests/test_client_class.py ... [ 10%]
tests/test_client_filter.py ..... [ 30%]
tests/test_client_lookup.py ..... [ 40%]
tests/test_drug_filter.py ..... [ 61%]
tests/test_drug_lookup.py ..... [ 70%]
tests/test_prescription_creation.py .. [ 74%]
tests/test_valid_input.py ..... [ 98%]
tests/test_view_prescriptions.py . [100%]

===== 55 passed in 0.26s =====
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$
```

2. Unit Tests

In the screenshots on the following page, we show the output of the individual unit tests. Although most of our tests are effectively unit tests, these are specifically the ones occupying a **middleware role**. That is, functions defined in `client.py` and `utility.py` that provide logical utility or backend connectivity. Keep in mind that the latter is mocked for now, as it is not the purpose of this assignment.

2.1 test_client_by_name.py

```
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$ pytest tests/test_client_by_name.py
===== test session starts =====
platform linux -- Python 3.10.12, pytest-8.3.3, pluggy-1.5.0
rootdir: /home/trevorwh113/CISC327-G8/app
collected 3 items

tests/test_client_by_name.py ... [100%]

===== 3 passed in 0.02s =====
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$
```

2.2 test_client_class.py

```
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$ pytest tests/test_client_class.py
===== test session starts =====
platform linux -- Python 3.10.12, pytest-8.3.3, pluggy-1.5.0
rootdir: /home/trevorwh113/CISC327-G8/app
collected 3 items

tests/test_client_class.py ... [100%]

===== 3 passed in 0.02s =====
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$
```

2.3 test_client_filter.py

```
===== test session starts =====
platform linux -- Python 3.10.12, pytest-8.3.3, pluggy-1.5.0
rootdir: /home/trevorwh113/CISC327-G8/app
collected 11 items

tests/test_client_filter.py ..... [100%]

===== 11 passed in 0.02s =====
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$
```

2.4 test_drug_filter.py

```
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$ pytest tests/test_drug_filter.py
===== test session starts =====
platform linux -- Python 3.10.12, pytest-8.3.3, pluggy-1.5.0
rootdir: /home/trevorwh113/CISC327-G8/app
collected 12 items

tests/test_drug_filter.py ..... [100%]

===== 12 passed in 0.02s =====
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$
```

2.5 test_valid_input.py

```
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$ pytest tests/test_valid_input.py
===== test session starts =====
platform linux -- Python 3.10.12, pytest-8.3.3, pluggy-1.5.0
rootdir: /home/trevorwh113/CISC327-G8/app
collected 13 items

tests/test_valid_input.py ..... [100%]

===== 13 passed in 0.02s =====
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$
```

3. Functional Tests

Finally, here is all the individual test output for the functional test cases. These tests are written with a **front-end perspective** in mind, focusing on the Flask routes and their corresponding html displays. This category of tests are the ones that relate the most to the test cases defined previously in Assignment 1.

3.1 test_client_lookup.py

```
===== test session starts =====
platform linux -- Python 3.10.12, pytest-8.3.3, pluggy-1.5.0
rootdir: /home/trevorwh113/CISC327-G8/app
collected 5 items

tests/test_client_lookup.py ..... [100%]

===== 5 passed in 0.28s =====
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$
```

3.2 test_drug_lookup.py

```
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$ pytest tests/test_drug_lookup.py
===== test session starts =====
platform linux -- Python 3.10.12, pytest-8.3.3, pluggy-1.5.0
rootdir: /home/trevorwh113/CISC327-G8/app
collected 5 items

tests/test_drug_lookup.py ..... [100%]

===== 5 passed in 0.10s =====
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$
```

3.3 test_view_prescriptions.py

```
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$ pytest tests/test_view_prescriptions.py
===== test session starts =====
platform linux -- Python 3.10.12, pytest-8.3.3, pluggy-1.5.0
rootdir: /home/trevorwh113/CISC327-G8/app
collected 1 item

tests/test_view_prescriptions.py . [100%]

===== 1 passed in 0.13s =====
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$
```

3.4 test_prescription_creation.py

```
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$ pytest tests/test_prescription_creation.py
===== test session starts =====
platform linux -- Python 3.10.12, pytest-8.3.3, pluggy-1.5.0
rootdir: /home/trevorwh113/CISC327-G8/app
collected 2 items

tests/test_prescription_creation.py .. [100%]

===== 2 passed in 0.10s =====
(venv327) trevorwh113@LAPTOP-R8J5CC1G:~/CISC327-G8/app$
```