CISC 327 Group 57 Assignment 5

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Integration Tests

We created four new integration tests for this assignment in two python unittest test scripts in the tests folder. The new test scripts are titled 'test_integration_persistence.py' and 'test_integration.py'. The 'test_integration_persistence.py' test file contains one test case called 'test_property_workflow' that adds a new property to the system, views it's details, logs out of the system, logs back into the system and views the same property. The 'test_integration.py' test script contains three test cases, the first one called 'test_register_and_2fa_setup', tests registering a new user with the system and then completing the 2FA setup process. The second test case called 'test_login_with_2fa', logins a user with 2FA enabled already and completes the 2FA verification process. The final new test case called 'test_new_property' logs into the system without 2FA and adds a new property.

Results

```
INFO  [alembic.runtime.migration] Context impl SQLiteImpl.
INFO  [alembic.runtime.migration] Will assume non-transactional DDL.
INFO  [alembic.runtime.migration] Running stamp_revision  -> e75228e80dc5
test_login_with_2fa (tests.test_integration.IntegrationTests.test_login_with_2fa)
Test the integration of the login process with 2FA ... ok
test_new_property (tests.test_integration.IntegrationTests.test_new_property)
Test the property addition process ... ok
test_register_and_2fa_setup (tests.test_integration.IntegrationTests.test_register_and_2fa_setup)
Test the integration of the registration and 2FA setup process ... ok
INFO  [alembic.runtime.migration] Context impl SQLiteImpl.
INFO  [alembic.runtime.migration] Will assume non-transactional DDL.
INFO  [alembic.runtime.migration] Running stamp_revision  -> e75228e80dc5
test_property_workflow (tests.test_integration_persistence.PropertyIntegrationTest.test_property_workflow)
Integration test for property details persistence across sessions ... ok

----------------------------------------------------------------------
Ran 4 tests in 0.788s

OK
```

Running Integration Tests

The new integration tests can be run alongside the existing unit tests with code coverage by running the 'run_tests.py' script in the root of the repository. (Example: 'python run_tests.py') Alternatively, to only run the new integration tests use this command in the terminal from the root of the repository: 'python -m unittest discover -s tests -p 'test_integration*''. (python may need to changed to python3 on some systems.)

Task Distribution

Aleeza Balbas	'test_login_with_2fa', 'test_new_property'
Ayman Zaher	'test_register_and_2fa_setup'
Daniel Zhuo	'test_property_workflow''