Milestone 5
CSCI 3308 - Software Development Methods and Tools
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User Acceptance Test Plans

The three features we will be testing are the ability to login, user interface scaling, and file uploading. To test the ability to login we made automated test cases, and we would try to break the program by creating different accounts and putting in the wrong usernames and passwords. For user interface scaling, we tested the websites UI on all of our computers and made sure there weren't any scaling issues. If there were issues, we would try new things and start the self test all over again. We didn't make any automated test cases for scaling. For the file upload we tested it by uploading file and seeing if they appeared on the website. We also would delete the files on the database and see if they went away on the website.

Automated Test Cases

```python
import unittest
import sys
from os import path
sys.path.append( path.dirname( path.dirname( path.abspath( __file__ ) ) ) )
from coursemate.helpers.login_helpers import acceptable_username, acceptable_password

class LoginTest(unittest.TestCase):

    def test_usernames(self):
        test_usernames = ["Amogh100", "1000Jack", "100MixLetters450", "Should&fail"," blahFAILL****", ";;;;;;;;
        expected = [True, True, True, False, False, False]
        for index, value in enumerate(test_usernames):
            self.assertEqual(expected[index], acceptable_username(value))

    def test_passwords(self):
        test_passwords = ["shrt", "wrong%%%%Chars", "$%%%shouldfail", "acceptable100", "shouldWORK_100"]
        expected = [False, False, False, True, True]
        for index, value in enumerate(test_passwords):
            self.assertEqual(expected[index], acceptable_password(value))

if __name__ == '__main__':
    unittest.main()
```

```
user@cu-cs-vm:~/Desktop/GroupProject/groupProject/coursemate$ python3 login_test
s.py
/home/user/.local/lib/python3.5/site-packages/flask_sqlalchemy/__init__.py:839:
FSADeprecationWarning: SQLALCHEMY_TRACK_MODIFICATIONS adds significant overhead
and will be disabled by default in the future.  Set it to True or False to suppr
ess this warning.
  'SQLALCHEMY_TRACK_MODIFICATIONS adds significant overhead and '
..
----------------------------------------------------------------------
Ran 2 tests in 0.001s

OK
user@cu-cs-vm:~/Desktop/GroupProject/groupProject/coursemate$
```

These automated test cases check if the user is entering correct usernames and passwords. It's a mixture of correct and incorrect username and passwords, and it will check if our program handles them properly.