pThree Milestone 5
Testing

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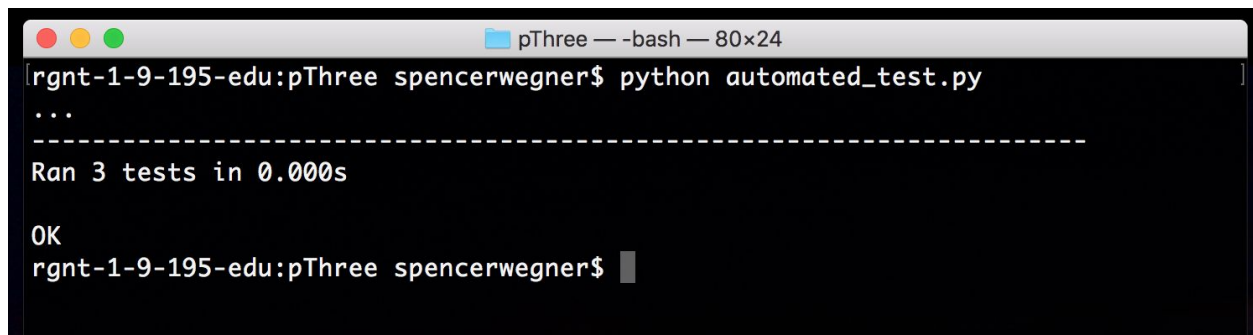
Automated Tests:

We are using Python's unittest to run automated tests on our web application:
https://docs.python.org/3/library/unittest.html

We chose to test the two algorithms/functions that determine which songs make the final 'perfect' playlist. We write our functions in the 'automated.py' file and test it in the 'automated_test.py' file. We give sample input that we have checked for accuracy and run the script with unittest to see if the code runs properly. This approach is the same one used in Lab 11.

Here is the output:

Please check out the code for the automated test cases in our Github Repository under 'pThree / project_files / testing'. It was difficult to show the test cases running here. The only feedback was that the code ran properly.

User Acceptance Tests:

User Story 1: Login

Step	Test Step/Input	Expected Results	Actual Results	Pass/Fail
1.	From pThree home page, click 'Login' button	Input box with 'username' and 'password' is displayed		
2.	Enter valid username and password	Page with 'Let's make some music' is displayed		

User Story 2: Create Account

Step	Test Step/Input	Expected Results	Actual Results	Pass/Fail
1.	From pThree home page, click 'Create Account' button	Input box with 'username', 'password', and 'confirm password' is displayed		
2.	Enter a username and password twice, make sure that they are the same	Login page is displayed; input box with 'username' and 'password' is displayed		
3.	Enter valid username and password	Page with 'Let's make some music' is displayed		

User Story 3: Make a Playlist

Step	Test Step/Input	Expected Results	Actual Results	Pass/Fail
1.	After logging in, click on 'Create Playlist' button	Playlist is either displayed on page OR on Spotify web page **Please note, code is not yet finished so this isn't in place yet**		