

Project Part 3

12 NOVEMBER 2015 / CSCI 3308 / SOFTWARE ENGINEERING METHODS AND TOOLS

Who

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Title

HappyApp

Vision

To build an application that allows quick and easy access to local happy hour discounts.

Automated Tests

Wrote User tests to test out the scrape and database:

We implemented two files:

Scrape_test.py and DBTest.py

To run our test files, we first need to clone the repo:

git clone <https://github.com/sniemeyer13/HappyApp>

Open MySQL:

mysql -u root -p

And source our database:

source happyappv2.1.sql

Exit MySQL

And run each scrape:

python monday_scrape_to_SQL.py

python tuesday_scrape_to_SQL.py

python wednesday_scrape_to_SQL.py

python thursday_scrape_to_SQL.py

```
python friday_scrape_to_SQL.py
python saturday_scrape_to_SQL.py
python sunday_scrape_to_SQL.py
****(Download any necessary packages)****
```

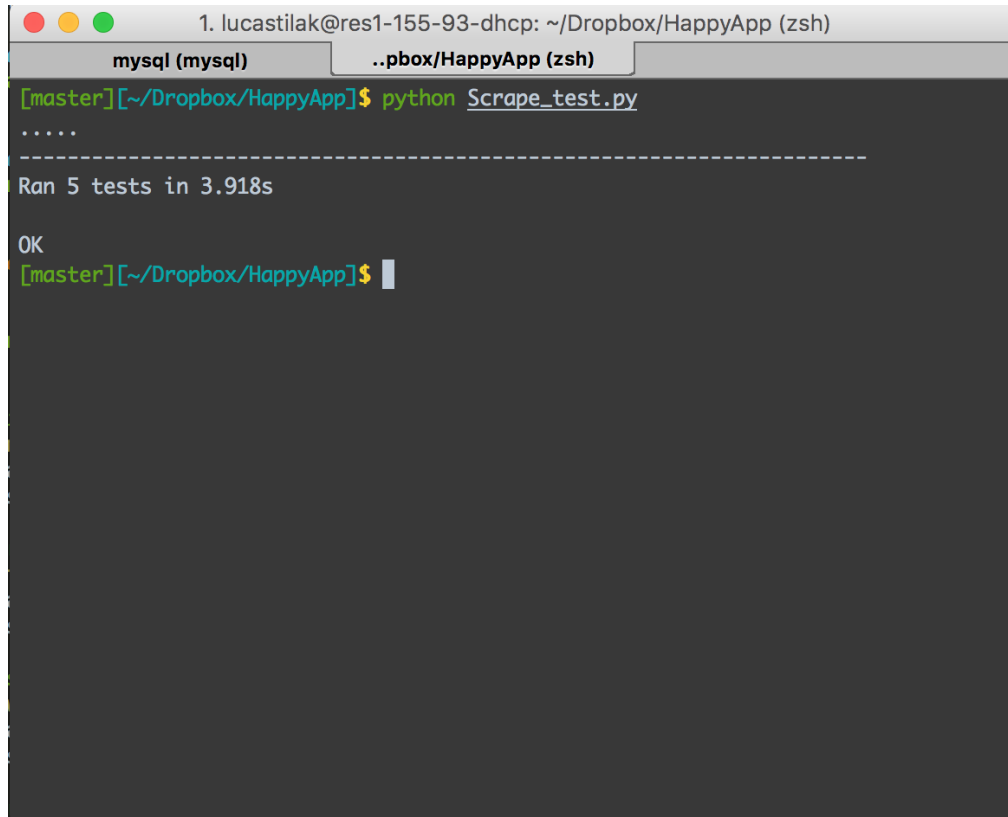
Next run both tests:

```
python Scrape_test.py
python DBTest.py
```

TEST CASES

Scrape_test.py:

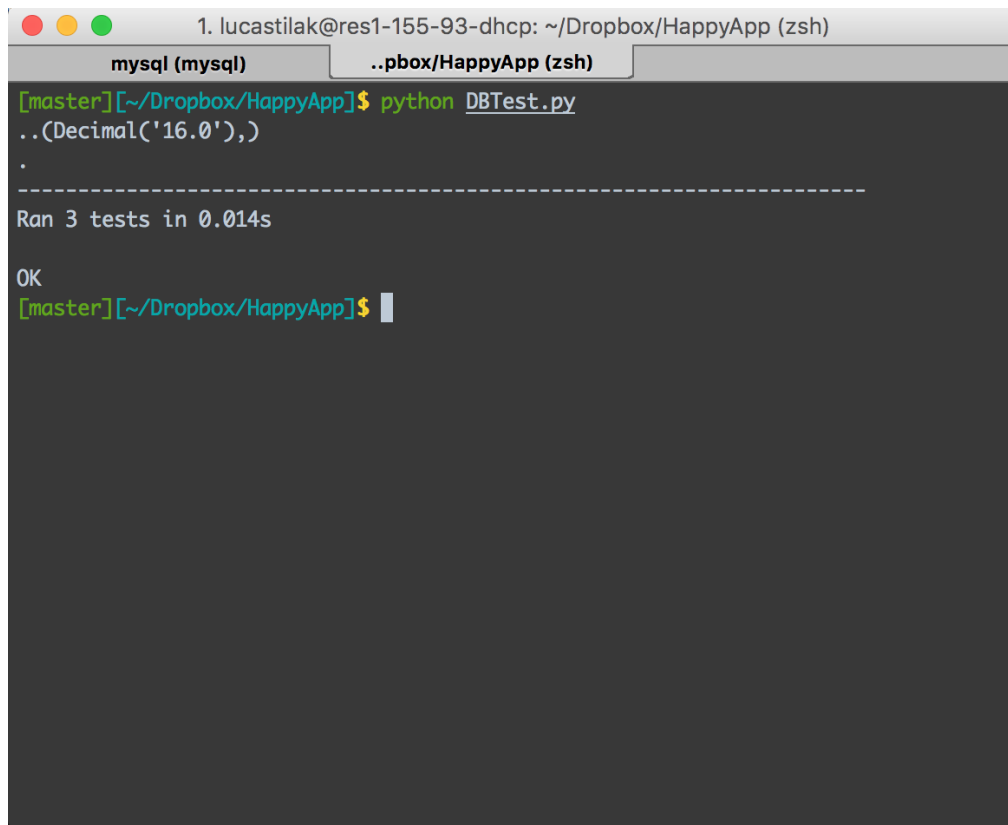
These tests compare the name of the day we are scraping (i.e. Monday, Tuesday, etc.), first Restaurant in Tuesday, Last Restaurant in Wednesday, The first times listed in Thursday and the last times exhibited by the webscrape for friday. Here are the results of the code:

A terminal window with a dark background and light text. The title bar shows '1. lucastilak@res1-155-93-dhcp: ~/Dropbox/HappyApp (zsh)'. There are two tabs: 'mysql (mysql)' and '..pbox/HappyApp (zsh)'. The prompt is '[master][~/Dropbox/HappyApp]\$'. The user has entered 'python Scrape_test.py'. The output shows '.....' followed by a dashed line, then 'Ran 5 tests in 3.918s', then 'OK', and finally the prompt '[master][~/Dropbox/HappyApp]\$' with a cursor.

```
1. lucastilak@res1-155-93-dhcp: ~/Dropbox/HappyApp (zsh)
mysql (mysql) ..pbox/HappyApp (zsh)
[master][~/Dropbox/HappyApp]$ python Scrape_test.py
.....
-----
Ran 5 tests in 3.918s
OK
[master][~/Dropbox/HappyApp]$
```

DBTest:

These tests compare our MySQL queries of our stored database. Here we test the name of the database, the first Restaurant and the first endtime of the table Tuesday. The results are as follows:

A terminal window with a dark background and light text. The title bar shows the user '1. lucastilak@res1-155-93-dhcp' and the path '~/Dropbox/HappyApp (zsh)'. There are two tabs: 'mysql (mysql)' and '..pbox/HappyApp (zsh)'. The prompt is '[master][~/Dropbox/HappyApp]\$'. The user has entered 'python DBTest.py'. The output shows '..(Decimal('16.0'),)' followed by a line separator consisting of a dashed line. Below that, it says 'Ran 3 tests in 0.014s'. The user then enters 'OK' and the prompt returns to '[master][~/Dropbox/HappyApp]\$' with a cursor.

```
1. lucastilak@res1-155-93-dhcp: ~/Dropbox/HappyApp (zsh)
mysql (mysql) ..pbox/HappyApp (zsh)
[master][~/Dropbox/HappyApp]$ python DBTest.py
..(Decimal('16.0'),)
.
-----
Ran 3 tests in 0.014s
OK
[master][~/Dropbox/HappyApp]$
```

User Acceptance Tests

Project Name: HappyApp						
User Acceptance Tests						
Test Case ID: 001	Test Designed by: Sarah Niemeyer					
Test Priority (Low/Med/High): High	Test Designed Date: November 9, 2015					
Module Name: HappyApp Homepage	Test Executed By: Jacob Park					
Test Title: Startpage Initiation	Test Execution Date: 11/11/15					
Description: Pressing button initiates displaying of Happy Hours						
Pre-conditions: user is connected to the internet						
Dependencies: none						
Step	Test Steps	Test Data	Expected Result	Actual Result	Status (pass/fail)	Notes
1	Load HappyApp page	Logged on to the HappyApp website by putting the url into the browser	HappyApp homepage loads	Browser loaded home page of HappyApp	pass	
2	Click "The Button!" button	Clicked "The Button" button	HappyApp redirects to a page with current and future happy hours for that day	Browser is redirected to correct page	pass	

Test Case ID: 002		Test Designed by: Sarah Niemeyer				
Test Priority (Low/Med/High): Medium		Test Designed Date: November 9, 2015				
Module Name: HappyApp happy hours page		Test Executed By: Jacob Park				
Test Title: After Midnight Display		Test Execution Date: 11/11/15				
Description: After midnight, the happy hours for the proper date are displayed						
Pre-conditions: test must be performed between 12 am and 1 am, user is connected to the internet						
Dependencies: none						
Step	Test Steps	Test Data	Expected Result	Actual Result	Status (pass/fail)	Notes
1	Load HappyApp page	Logged on to the HappyApp website by putting the url into the browser	HappyApp homepage loads	Browser loaded home page of HappyApp	pass	
2	Click "The Button!" button	Clicked "The Button" button	happy hours displayed are for the current date	browser loaded loaded happy hours going on during the rest of the day	pass	
Post-conditions: Clicking the button returns a list of current and future happy hours for the rest of that day.						
Test Case ID: 003		Test Designed by: Luke Tilak				
Test Priority (Low/Med/High): Medium		Test Designed Date: November 9, 2015				
Module Name: HappyApp happy hours page		Test Executed By: Jacob Park				
Test Title: Wednesday happy hours		Test Execution Date: 11/11/15				
Step	Test Steps	Test Data	Expected Result	Actual Result	Status (pass/fail)	Notes
1	Load HappyApp page	Logged on to HappyApp web page on Wednesday	HappyApp homepage loads	Browser was brought to HappyApp website	Pass	
2	Click "The Button!" button	Clicked "The Button!"	happy hours displayed are for the current date	Browser was redirected to the happy hours list	Pass	
3	Compare Results of Wednesday with MYSQL DB	Viewed results on site and compared to those from the database designated for Wednesday.	Results should be identical	Results were the same.	Pass	
Post-conditions: The date and times of the happy hours in the database matched up with the ones displayed on HappyApp webpage results.						

VCS

<https://github.com/sniemeyer13/HappyApp>