Project Part 6
Title: Project RazzTunes
Vision Statement: Users can listen to their music anywhere they have internet access.

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Automated Tests: Our team used Pychecker from pychecker.sourceforge.net/. We used the command

```
sudo apt-get install pychecker
```

in order to get pychecker running. To run pychecker on the code we used the command

```
pychecker maintest.py
```

This outputted the following warning

```
Warnings...

maintest.py:5: Imported module (cgi) not used
maintest.py:5: Imported module (os) not used
maintest.py:5: Module (os) re-imported
```

We then ran the command on our next python file using

```
python fileUploader.py
```

This outputted the following

```
Processing module fileUpload (fileUpload.py)...
  Caught exception importing module fileUpload:
    File "/usr/lib/python2.7/dist-packages/pychecker/pcmodules.py", line
540, in setupMainCode()
      module = imp.load_module(self.moduleName, handle, filename, smt)
    File "fileUpload.py", line 15, in <module>()
      fileitem = form['file']
    File "/usr/lib/python2.7/cgi.py", line 540, in __getitem__()
      raise KeyError, key
  KeyError: 'file'

Warnings...

fileUpload:1: NOT PROCESSED UNABLE TO IMPORT
```

User Acceptance Tests:

Project Name: RazzTunes

Test Case ID: 1	Test Designed by: Team RazzTunes
Test Priority (Low/Medium/High): High	Test Designed date: 4/1/15
Module Name: Webpage	Test Execution by: Team RazzTunes
Test Title: Website Visibility	Test Execution date: 4/1/15

Description: Test the RazzTunes webpage on major web browsers (Chrome and Firefox)

Pre-condition: User has access to internet, Chrome, and Firefox.

Dependent: Internet dependent

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to: http://localhost:8000/cgi-bin/maintest.py using Chrome	N/A	Browser displays web page as it was designed	Browser displays web page as it was designed	Pass	
2	Navigate to: http://localhost:8000/cgi-bin/maintest.py using Firefox	N/A	Browser displays web page as it was designed	Browser displays web page as it was designed	Pass	

Postcondition: User is successfully viewing the webpage. This ensures that the web server is operational and the page is displaying HTML.

Project Name: Razz Tunes

Test Case ID: 2	Test Designed by: Team RazzTunes
Test Priority (Low/Medium/High): High	Test Designed date: 4/1/15
Module Name: Playlist	Test Execution by: Team RazzTunes
Test Title: Test Play button	Test Execution date: 4/1/15

Description: Test the playlist play button is operating.

Pre-condition: User is connected to the RazzTunes website. User has volume turned on.

Dependent: Internet access

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Click on a track in the playlist.	N/A	Song is highlighted.	Song is highlighted	Pass	
2	Click the play button	N/A	The selected audio track plays	The selected audio track plays	Pass	

Postcondition: User is successfully capable of choosing a song and playing the audio.

Project Name: Razz Tunes

Test Case ID: 3	Test Designed by: Team RazzTunes
Test Priority (Low/Medium/High): High	Test Designed date: 4/1/15
Module Name: Playlist	Test Execution by: Team RazzTunes
Test Title: Test Pause button	Test Execution date: 4/1/15
Description: Test the playlist pause button is operating.	

Pre-condition: User has completed Test Case ID 2.

Dependent: Internet access, track needs to be playing currently in order to pause.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Complete test case ID: 2 from above	N/A	Song is playing	Song is playing	Pass	
2	Press the pause button	N/A	Song pauses	Song pauses	Pass	
3	Press play button	N/A	Song plays from where it left off	Song plays from where it left off	Pass	
4	Repeat step 2 from above	N/A	Song pauses	Song Pauses	Pass	

Postcondition: User is capable of pausing the track and then playing the track where the it left.

Project Name: Razz Tunes	

Test Case ID: 4	Test Designed by: Team RazzTunes
Test Priority (Low/Medium/High): Medium	Test Designed date: 4/1/15
Module Name: Playlist	Test Execution by: Team RazzTunes
Test Title: Test Stop button	Test Execution date: 4/1/15
Description: Test the playlist pause button is operating.	

Pre-condition: User has completed test case ID: 2, track is currently playing
Dependent: Internet access , track need to be playing currently

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Complete test case ID: 2 from above	N/A	Song is playing	Song is playing	Pass	
2	Press the stop button	N/A	Song stops and returns to beginning of track	Song stops and returns to beginning of track	Pass	
3	Press the play button	N/A	Song plays from the beginning of track	Song plays from the beginning of track	Pass	
4	Press the stop button	N/A	Song stops and returns to beginning of track	Song stops and returns to beginning of track	Pass	
Postcondition: User is capable of stopping tracks and starting them again.						

Project Name: Razz Tunes	

Test Case ID: 5	Test Designed by: Team RazzTunes
Test Priority (Low/Medium/High): Medium	Test Designed date: 4/1/15
Module Name: Upload	Test Execution by: Team RazzTunes
Test Title: Uploading Song	Test Execution date: 4/1/15
Description: Testing the upload button. By using the upload button, user should be able to upload the song into the playlist.	

Pre-condition: Songs needs to be mp3 format.
Dependent: Internet access

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Click the "Choose File" button		file browser pops-up.	file browser pop-up.	Pass	
2	Navigate to the mp3 songs directory.		Song displays in the song directory.	Song display in the song directory.	Pass	
3	Select the desire song and click open		Song name shows up, next to "Choose File" button	Song name show up, next to "Choose File" button	Pass	
4	Click on up arrow button to upload the song		Web page returns the text "The file was uploaded successfully"	Web page returns the text "The file was uploaded successfully"	Pass	

5	Click "Return"		Desired uploaded song appears in playlist.	Desired song doesn't show up in playlist.	Fail	

Postcondition: User wants to be able to upload their music to the website playlist. This test failed.