

Theresa Pham

CSC 415: Software Engineering

Final Evaluation – Take Home Component

New Functionality Test Case Design

When testing to see whether an application as a whole works, system testing is used. For system testing, the black box method is used most often, where I acted as if I was a user and testing all possible cases that could be encountered. This was the method used to test my new functionality. For the new functionality implemented of logging in and viewing information on saved albums, there is little room for a user to break the system. Since the functionality relies on the Spotify API, there already exists error handling for invalid username/password when trying to log in.

Test Cases

Functionality Tested	Inputs	Expected Outputs	Actual Outputs
Log in to Spotify	Click link + Enter valid Spotify username & password	Redirects to page with user's name, profile picture, country, and a list of their saved albums	Works – redirects to show account info and saved albums from Spotify
Indication to user that they have no albums saved (if this is the case)	Valid log in information	Shows message “No albums saved”	Works – displays message
Show tracklist of a searched album	Keyword search + Album selection	List of songs in album	Works – redirects
Link to map availability interface for an album	Select an album + Click link to view availability	Redirect to map interface page with countries available highlighted for album selected	Works – redirects properly to Github page with correct album on map interface
Logout	Click link to logout	Redirects user to home page	Works - redirects user to home page