

Lab #5 – Integrating with Web Services in iOS

CIS 380 – Fall 2014

Due Date: 2pm, October 29, 2014

Learning Objectives

- Learn how to work with TableView controllers in iOS.
- Learn how to fetch data from web services in iOS.
- Learn how to process JSON in iOS.

Top Artists App

In this homework exercise you are to reproduce the functionality the instructor implemented in class in the Top Tracks App demonstration. However, instead of reproducing the “Top Tracks” from the Last.FM APIs, you are to fetch and display the top artists in a country of your choice. The API you will need to use is documented here: <http://www.last.fm/api/show/geo.getTopArtists>. Please note that you will need to sign up for a free developer account on <http://www.last.fm> and create an API Account in order to get your own access token.

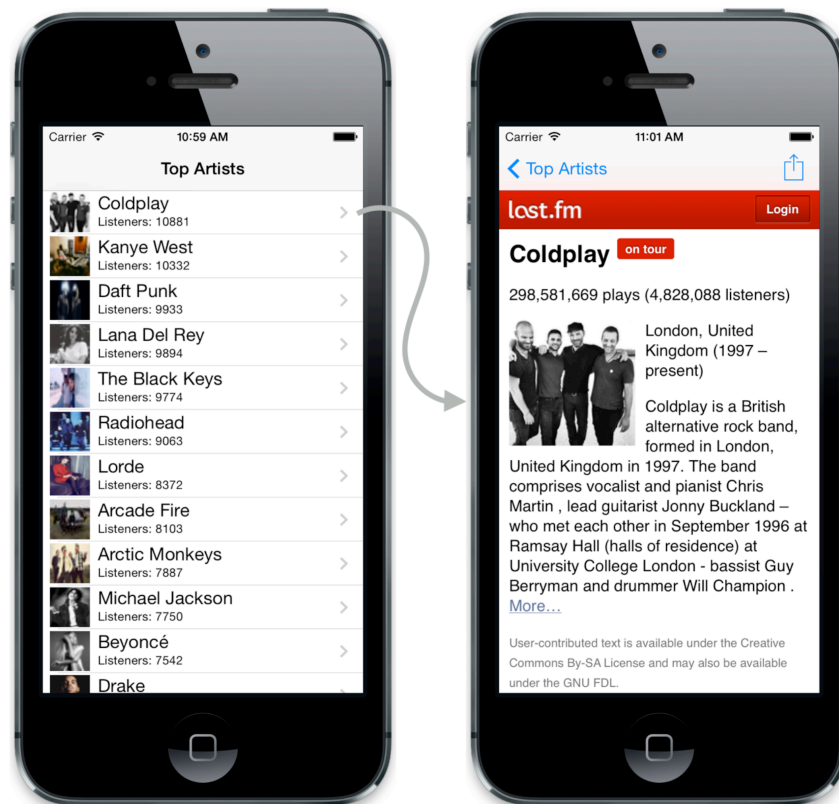


Figure 1. The Top Artists App

The app is shown in Figure 1 above. It should be implemented exactly as shown. When the user taps on a row in the table view, it should immediately display the content of the web content of the mobile web page from the last.fm website within a view controller. Your web view controller should also have a “view in safari” option as demonstrated in class. You should support image caching – feel free to reuse the code demonstrated in class. Your web view controller should support the back button as discussed, just in case a user taps on links within the web view.

In addition, your app should support portrait, landscape right, and landscape left, as well as both the 3.5 inch and 4 inch screens.

Deliverables

To receive credit for this homework you must:

- Set your deployment target to iOS 7.1 and make sure it runs correctly on an emulator or device of that version.
- Create a zip archive of your project named Lab05-TeamDD.zip where DD is replaced with your team number. Submit your zip archives to Blackboard and make sure both team member's names are mentioned in your code headers and submission notes.