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# Assignment 2 - Chooonz

I loves de music bai

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## OBJECTIVE

In this assignment, you are to create a web-based Irish music video service. This involves a Web Service (written in Swift) and a Client App for iOS devices.

The Chooonz service allows users to watch/listen to the latest hand-curated playlist of Irish songs. The Web Service exposes the song objects as a RESTful service and the Client App presents the exposed information in a pleasing manner.

The Client App should be a Universal iOS, written for screens of multiple resolutions and sizes (i.e. iPhone and iPad).

The Web Service must be written wholly in the Open Source version of Swift. IBM's Bluemix provides a free server environment to host these services. A web service written in Swift is quite new, so some research into the topic will be required.

A Song object will have the following fields:

ID:	int
Title:	string
ArtistBio	string
ArtistImage:	binary (or a string)
YouTubeId:	string

Calls to GET ALL SONGS and GET A SONG BY ID must be present. Other calls can be coded as you see fit.

The code for the Web Service AND the Client App MUST be stored on a publicly accessible Git repository (such as GitHub or BitBucket.)

Once the system has been created and tuned (don't just have it working - have it working well!), you must document the approach you have taken. This does not need to be a formal report, but a more informal sharing of information, akin to a blog post. Essentially:

- WHAT are you doing
- WHY is this interesting
- HOW did you do it

Finally, you will create a short video outlining your system (approx. 2 mins.)

As this is an unusual project, there is no marking rubric. However, marks will be awarded for individual effort as well as originality, creativity, completeness and UI design. If you have access to an iOS device, it is strongly recommended you test on it.

### **To Submit**

You must upload a .zip file containing your entire project and report to Moodle by 9am on Thursday 19th May. Your report should contain a direct link to your Git hosted project. You will be required to do a short demo of your App in class that day.

Late submissions will be penalised. No demo - no mark.

This assignment is worth 60% of your Continuous Assessment mark.