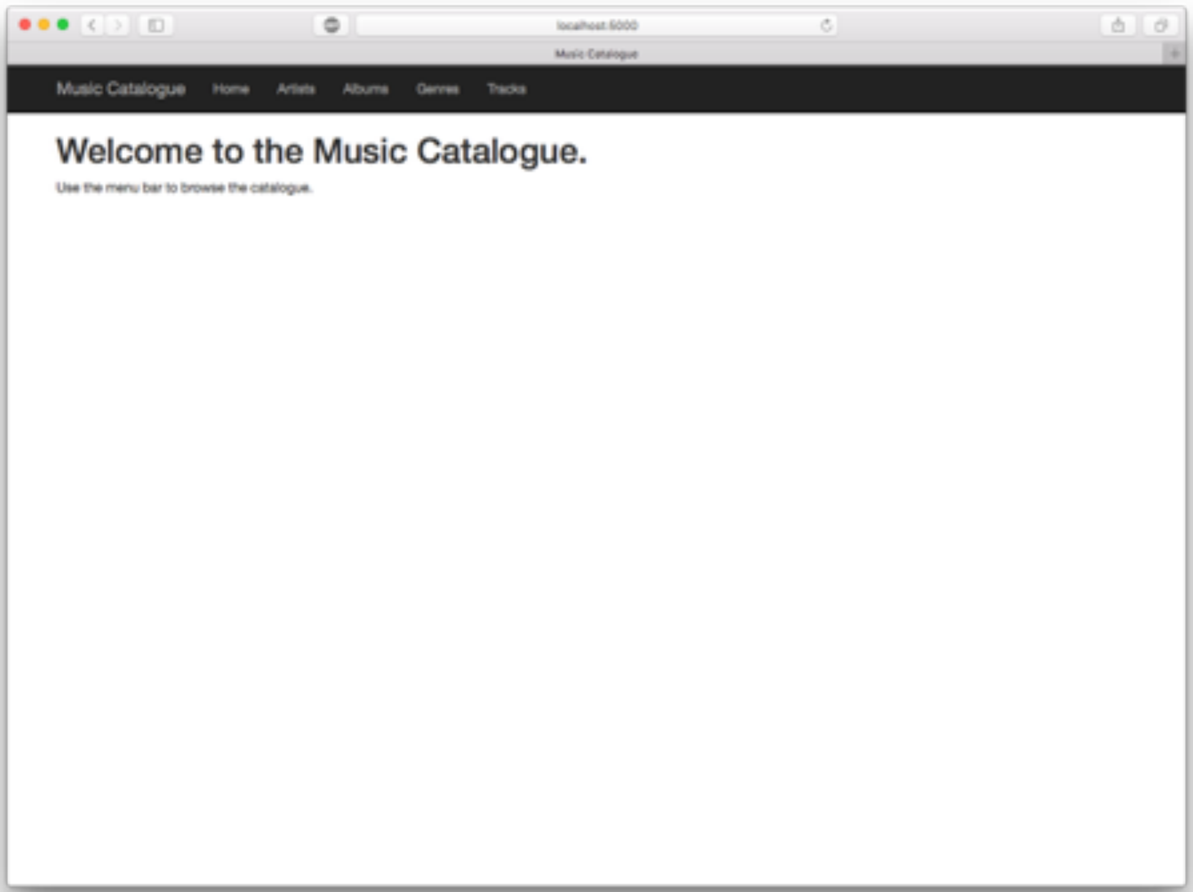
Music Catalogue Web App



Welcome to the Music Catalogue.

Use the menu bar to browse the catalogue.

Introduction
My web app is a limited music catalogue featuring some of my favourite artists, and a selection of their albums and tracks - mostly those albums and tracks I have that I like. The app allows you to view details of tracks, albums and genres associated with each artist, and browse by artist, track, album or genre.

Design
I designed the web app to use Python dictionaries and lists to store the data. Each page (apart from the home page which is just a brief instructions page) links to several other pages. Each page is a Jinja2 template that pulls data in from the Python dictionaries and lists, rather than a truly static html page.

Enhancements
I would add the following features to my web app: I would add album artwork for each album, a photograph of each artist and I would add embed the audio of each track (or a sample) to each track page. I would also make the following improvements: I would chance the data storage to a database or csv file to reduce data redundancy.

Critical Evaluation
I believe my web app functions as I desired it to, however I am not satisfied with the method I have used to store the data, as it presents issues when one dictionary is changed they other dictionaries must also be changed to prevent errors in the web app.

Personal Evaluation
I learned a lot about creating web apps in Python Flask and using Jinja2 templates. The main challenge I faced was getting foreign (Japanese kanji) characters recognised and processed by Python, however I overcame this challenge by using various articles on the web and added coding tags to my Python file and Unicode descriptors to the relevant strings.

Summary
Resources used: PyCharm for code editing, Levinux for running the web-app, OS X Terminal for connecting to Levinux, Safari browser for testing and GitHub for hosting the code. I used the course workbook for most of the coding techniques and various web articles for the Unicode issue.