Udacity Item Catalog

# General Information

In this project for the Udacity Full Stack Nanodegree, an item catalog was created. Users of the catalog do not need to be logged in to view items, but they do need to be logged in to add, edit or delete them. This project includes third party authentication via Google.

# Prerequisites

Vagrant

Udacity Vagrant File

VirtualBox

# How to start the catalog

1. Install / fork prerequisites above
2. Create Client ID and Secret
   1. Visit https://console.developers.google.com/apis
   2. Log into your Google Account
   3. Click Create Project
   4. Give the project a name
   5. Click the Credentials Tab on the left
   6. Click the Create Credentials button and select OAuth client ID
   7. Select Web Application
   8. Configure Consent Screen (screen displayed when user logs in)
      1. List your email address and a name for the Application
      2. Click Create
   9. Back on the Credentials Screen, click your new Client ID
   10. Under Authorized JavaScript origins, add <http://localhost:5000>
   11. Click **Save** to update
   12. You now have the Client ID listed
   13. In the login.html file, update **data-clientid** with your new Client ID
   14. Back on the Credentials page, click the download icon on the far right to download JSON
       1. Rename the JSON file to client\_secrets.json and save in same directory as the finalproject.py file
3. Open Git Bash
4. Navigate to your Vagrant folder
5. Start the virtual machine
   1. **vagrant up**
6. Log into the Virtual Machine
   1. **vagrant ssh**
7. Change to your vagrant directory
   1. **cd /vagrant**
8. Setup the Database
   1. **python database\_setup.py**
9. Load Database Data
   1. **python manyCars.py**
10. Start the Webserver
    1. **python finalproject.py**
11. Navigate in a browser to http://localhost:5000

# Webpages

* JSON Endpoints
  + All Car Models for a Manufacturer
    - http://localhost:5000/make/<int:carmake\_id>/model/JSON
  + Specific Car Model
    - http://localhost:5000/make/<int:carmake\_id>/model/<int:model\_id>/JSON
* View Car Makes
  + http://localhost:5000/
  + http://localhost:5000/make
* Create a New Car Make (Login Required)
  + http://localhost:5000/make/new
* Edit a Car Make (Login Required)
  + http://localhost:5000/make/<int:carmake\_id>/edit
* Delete a Car Make (Login Required)
  + http://localhost:5000/make/<int:carmake\_id>/delete/
* View Car Models for a Make
  + http://localhost:5000/make/<int:carmake\_id>/
  + http://localhost:5000/make/<int:carmake\_id>/model/
* Create a New Car Model (Login Required)
  + http://localhost:5000/make/<int:carmake\_id>/model/new/
* Edit a Car Model (Login Required)
  + http://localhost:5000/make/<int:carmake\_id>/model/<int:model\_id>/edit/
* Delete a Car Model (Login Required)
  + http://localhost:5000/make/<int:carmake\_id>/model/<int:model\_id>/delete