Web Service

The primary role of the web service is to serve as the interface between the web administration interface/database and the Android application. It works by acting as a REST API, allowing the Android application to make HTTP GET requests, where the contents returned are determined by the HTTP URL. The content returned is in the JSON format.

The main web application is titled 'curator'. The initial functionality focus on serving up information related to the museum itself, as opposed to the museums content. Each museum in the database, which uses PostGreSQL, has a primary key which is an integer. Thus the following URL "curator/1" will return the information related to the museum object with the primary key of 1. The URL "curator/" will return a list of the all the museums.

Museum Object

- Model
 - Searchable fields
 - primary key
- Web API and Museum objects

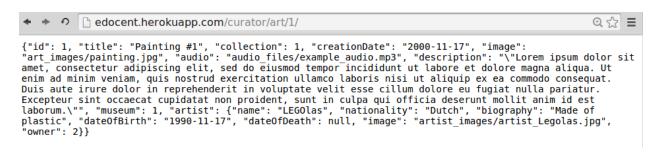
To access a museum model you must have it's primary key value. To obtain the primary key, you must first access a list of all the museum objects. This location API is used to populate the splash pages of the Android application, it delivers the name of the museum, city, state and the primary key value.

With the primary key, the museums direct information can then be accessed:

• To access all of the museum objects you use the following url:

Art Object

To access art objects, the primary key is needed. To get the primary key, a collection
must be accessed via the API (see below). With the primary key obtained, the art object
can be accessed in the following manner.



Artist Object

 To obtain an artist object, the primary key is needed. This can be obtained via an art object, though art object will included the artist object as well. With the primary key, the following url can access the artist object

Collection Object

 To access a collection object, you must specify the museum of interest via its primary key to get a list of the collections. This is done with the following url:

 To access the individual collections, you then take the primary key of the collection of interest and use the following url to access the collection details (which is a list of art objects)

