

Deliverable 1

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Once done the diagram, we visualized it we visualized it to define its models. Therefore, the defined models are:

* The user, whose most important attributes are their identifier and username. It should be noted that the ids of each user will be present in each of the models, with a maximum length of 22 (maximum length for all ids) and 50 characters respectively.
* The user's favourite artist in particular, which will contain "artist\_id" "position" and "term", the latter two attributes being shared by other models such as those mentioned below.
* The favourite musical genre which consists of the name of the genre among others.
* Favourite song, which consists of the "id" of this in addition to those mentioned above.

A relevant feature of the models is that in addition to sharing the user ID, they will also share two more attributes, which are "created" and "updated" which will store the creation and editing dates respectively.

All models created in the models.py class are imported into the admin.py file and are registered on the admin site.

The views.py file is the script that reveals the links of which the website is composed. Inside the document we have the url’s of: main, of the shop, dashboard, and the register. Within the directory 'webspoty' we find the file dashboard.html which implements the change of passwords therefore it is the section that redirects you. The index.html file contains the links for the login and register buttons. In the 'registration' directory are the login html files, logout, password\_change\_done, password\_change\_form in addition to the register. These elements allow the identification, registration and modification of users on the web.

Within the WebProjectSpotify directory we find the asgi.py file which is a file that defines our application path. The following file, called settings.py, is the central configuration of all Django-type projects, which has been modified to effectively run the Django application, provide end-users with a streamlined experience, and keep potential attackers under control. The urls.py file is used to update url’s throughout the project. Finally, we find the file wsgi.py which is the main deployment platform of Django, is the Python standard for servers and web applications.