**E-COMMERCE WEBSITE USING DJANGO:**

**Anchor:**

**An eBay like e-commerce auction site that will allow users to post auction listings, place bids on listings, comment on those listings, and add listings to a “watchlist”.**

**Requirements:**

* Python 3
* Django
* Sqlite3
* HTML
* CSS
* Pillow

**Resources:**

* Different Django Models: <https://docs.djangoproject.com/en/3.0/ref/models/fields/>
* Django Forms:

<https://docs.djangoproject.com/en/3.0/topics/forms/>

* @login\_required decorator:

<https://docs.djangoproject.com/en/3.0/topics/auth/default/#the-login-required-decorator>

* Introduction to Django Models:

<https://docs.djangoproject.com/en/3.0/topics/db/models/>

* AbstractUser in auction/models.py :

<https://docs.djangoproject.com/en/3.0/topics/auth/customizing/>

* Adding default values to Django Model Fields:

<https://stackoverflow.com/questions/755857/default-value-for-field-in-django-model>

* CSS file in static wasn’t working. Referred this for debugging  
  <https://stackoverflow.com/questions/13446325/django-css-is-not-not-working>  
  Also refer: page 105 from Django for beginners book
* Adding Images to models.py:  
  <https://www.youtube.com/watch?v=1UYTZiMtxA4>
* Displaying images from models:  
  <https://matthiasomisore.com/web-programming/display-image-in-a-django-template-using-imagefield/>
* Created logo.png from:  
   <https://www.logogenie.net/logo-design?id=7031984>
* Adding Custom User Model as foreign keys:  
  page 246 and page 198 (for get\_user\_model())
* Accepting and Storing Images from forms:  
  <https://www.bogotobogo.com/python/Django/Python_Django_Image_Files_Uploading_Example.php>
* Adding multiple submit buttons for the same page:  
  <https://stackoverflow.com/questions/866272/how-can-i-build-multiple-submit-buttons-django-form>

***AbstractUser:***

The User class in models.py has a built in model called Abstract User that provides all the required fields for authorization of User.

To use this:

1)In models.py:

from django.contrib.auth.models import AbstractUser

from django.db import models

class User(AbstractUser):

pass

2) In project/settings.py:

AUTH\_USER\_MODEL = 'auctions.User'

<app\_name>.User

3) In admin.py:

from django.contrib import admin

from django.contrib.auth.admin import UserAdmin

from .models import User

admin.site.register(User, UserAdmin)

We can add various other fields that we require.