Name and Surname: Alnur Madiyev

Student ID: w68646

Project's name: Clothes store

My web-application was based on Python Django

For building Web API I used: Django rest framework

Pillow Python:

The Pillow library contains all the basic image processing functionality. You can do image resizing, rotation and transformation. Pillow module allows user to pull some statistics data out of image using histogram method, which later can be used for statistical analysis and automatic contrast enhancement.

Django-CORS-headers:

Django-cors-headers is a Django application for handling the server. If you introduce a subdomain, for instance, docs.example.com, that needs the API, then you need to set CORS headers.

Python environ:

A mapping object that represents the user's OS environmental variables. It returns a dictionary having the user's environmental variable as key and their values as value.

```
[rahul@tecadmin ~]$
[rahul@tecadmin ~]$ cat ./script.py
import os

print(os.environ.get('HTTP_PORT', '80'))
[rahul@tecadmin ~]$
[rahul@tecadmin ~]$
[rahul@tecadmin ~]$ HTTP_PORT=8080 python3 ./script.py
8080
[rahul@tecadmin ~]$
[rahul@tecadmin ~]$
[rahul@tecadmin ~]$ python3 ./script.py
80
[rahul@tecadmin ~]$
```

Simple JWT provides a JSON Web Token authentication backend for the Django REST Framework. It aims to cover the most common use cases of JWTs by offering a conservative set of default features. It also aims to be easily extensible in case a desired feature is not present.

This project borrows code from the Django REST FrameWork as well as concepts from the implementation of another JSON web token library for the Django REST Framework.

MySQL client:

MySQL client is a common name for tools that are designed to connect to MySQL Server. Client programs are used to send commands or queries to the server and allow managing data in the databases stored on the server.

```
[root@payment-gw-indomaret saurabh]# sudo yum install mysql-community-libs
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
 * base: centos.usonyx.net
 * epel: epel.mirror.angkasa.id
 * extras: centos.usonyx.net
 * updates: centos.usonyx.net
Resolving Dependencies
--> Running transaction check
---> Package mariadb-libs.x86_64 1:5.5.52-1.el7 will be obsoleted
---> Package mysql-community-libs.x86_64 0:5.6.36-2.el7 will be obsoleting
--> Processing Dependency: mysql-community-common(x86-64) >= 5.6.10 for package: mysql-community-libs-5.6.36-2.el7.x86_64
--> Running transaction check
---> Package mysql-community-common.x86_64 0:5.6.36-2.el7 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================
 Package                    Arch         Version          Repository       Size
================================================================================
Installing:
 mysql-community-libs        x86_64       5.6.36-2.el7     mysql56-community  2.0 M
     replacing  mariadb-libs.x86_64 1:5.5.52-1.el7
Installing for dependencies:
 mysql-community-common      x86_64       5.6.36-2.el7     mysql56-community  257 k

Transaction Summary
================================================================================
Install  1 Package (+1 Dependent package)

Total download size: 2.3 M
Is this ok [y/d/N]: y
Downloading packages:


Error downloading packages:
  mysql-community-libs-5.6.36-2.el7.x86_64: [Errno 5] [Errno 2] No such file or directory
  mysql-community-common-5.6.36-2.el7.x86_64: [Errno 5] [Errno 2] No such file or directory

[root@payment-gw-indomaret saurabh]#
```