Module – 5 (DB and Python Framework)

• Why Django should be used for web-development? Explain how you  
can create a project in Django?

Ans: Django is the best framework for web applications, as it allows developers to use modules for faster development. As a developer, you can make use of these modules to create apps, websites from an existing source. It speeds up the development process greatly, as you do not have to code everything from scratch.

To create Django project follow below listed steps:

1.Create virtual environment by typing below code in CMD.

python -m venv (environment name)

then activate environment by typing

envname/Scripts/Activate

2.install django

Python –m pip install django

3.create project

Django-admin startproject (projectname)

Project is created successfully.

• How to check installed version of django?

Ans: type: django-admin --version

• Explain what does django-admin.py make messages command is used  
for?

Ans: Runs over the entire source tree of the current directory and pulls out all strings marked for translation. It creates (or updates) a message file in the conf/locale (in the django tree) or locale (for projects and applications) directory. You must run this command with one of either the --locale, --exclude, or --all options.

• What is Django URLs?make program to create django urls

Ans: A URL is a web address. You can see a URL every time you visit a website – it is visible in your browser's address bar.Django URLs is a .py file consisting URL patterns of application.  
• What is a QuerySet?Write program to create a new Post object in  
database:

Ans: A QuerySet is a collection of data from a database.A QuerySet is built up as a list of objects.QuerySets makes it easier to get the data you actually need, by allowing you to filter and order the data at an early stage.

• Mention what command line can be used to load data into Django?

Ans: To load data into Django you have to use the command line Django-admin.py loaddata. The command line will searches the data and loads the contents of the named fixtures into the database.

• Explain what does django-admin.py make messages command is used  
for?

Ans: Runs over the entire source tree of the current directory and pulls out all strings marked for translation. It creates (or updates) a message file in the conf/locale (in the Django tree) or locale (for project and application) directory. After making changes to the messages files you need to compile them with [compilemessages](https://docs.djangoproject.com/en/4.2/ref/django-admin/#django-admin-compilemessages) for use with the builtin gettext support.

• Make Django application to demonstrate following things o There will  
be 2 modules(Admin,Product manager) o Admin can add product name  
(ex.Product id and product name) ex. (1, Samsung), (2, Apple)...etc.  
Data should store in.

Ans: <https://github.com/Sagarraj08/Django-project>

• Product\_mst table with product id as primary key of Admin can add  
product subcategory details Like (Product price, product image,  
Product model, product Ram) data should store in Product\_sub\_cat  
table o Admin can get product name as foreign key from  
product\_mst table in product\_sub\_category\_details page Admin can  
view, update and delete all registered details of product manager can  
search product on search bar and get all details about product.

Ans: <https://github.com/Sagarraj08/Django-project>