**Here are 20 multiple-choice questions based on your eCommerce project in Python Django:**

**1. What is the primary purpose of the eCommerce project built with Django?**

* A) To allow users to browse and purchase products online
* B) To serve as a platform for social media interactions
* C) To manage employee records for a company
* D) To create a portfolio website

**Answer:** A) To allow users to browse and purchase products online

**2. Which Django component is responsible for managing the database schema and data?**

* A) Views
* B) Models
* C) Templates
* D) Middleware

**Answer:** B) Models

**3. What command is used to start the Django development server?**

* A) python manage.py startserver
* B) python server.py run
* C) python manage.py runserver
* D) python runserver

**Answer:** C) python manage.py runserver

**4. Which of the following is a recommended database for development in Django?**

* A) MongoDB
* B) MySQL
* C) Oracle
* D) SQLite

**Answer:** D) SQLite

**5. What is the purpose of Django’s admin panel in the eCommerce project?**

* A) To let customers browse products
* B) To allow administrators to manage products, users, and orders
* C) To process payments
* D) To send notifications to customers

**Answer:** B) To allow administrators to manage products, users, and orders

**6. What is Django’s MVT architecture?**

* A) Model-View-Template
* B) Model-View-Transformer
* C) Module-Variable-Template
* D) Module-View-Transformer

**Answer:** A) Model-View-Template

**7. Which of the following is NOT a feature of this eCommerce application?**

* A) Shopping Cart
* B) User Profile Management
* C) Real-Time Chat with Customer Support
* D) Order History

**Answer:** C) Real-Time Chat with Customer Support

**8. How is user authentication implemented in Django?**

* A) Through sessions
* B) By using the Django authentication framework
* C) Using JSON Web Tokens
* D) Using API keys

**Answer:** B) By using the Django authentication framework

**9. In the shopping cart, what is the correct flow for a user to make a purchase?**

* A) Search product → Add to cart → Checkout
* B) Add to cart → Checkout → Search product
* C) Checkout → Add to cart → Search product
* D) Checkout → Search product → Add to cart

**Answer:** A) Search product → Add to cart → Checkout

**10. What is the command to create a superuser for accessing the admin panel?**

* A) python manage.py superuser
* B) python manage.py createsuperuser
* C) python create superuser
* D) django-admin superuser

**Answer:** B) python manage.py createsuperuser

**11. What type of files are used to define the HTML structure for pages in Django?**

* A) Models
* B) Views
* C) Templates
* D) Scripts

**Answer:** C) Templates

**12. In which Django file would you define a model for products in the eCommerce store?**

* A) views.py
* B) urls.py
* C) models.py
* D) templates.html

**Answer:** C) models.py

**13. Which of the following is a primary benefit of using virtual environments in Python projects?**

* A) Faster execution of Django commands
* B) Easier management of dependencies specific to each project
* C) Enhanced security for web applications
* D) Better performance of the Django application

**Answer:** B) Easier management of dependencies specific to each project

**14. Which command would you use to apply migrations to the database?**

* A) python manage.py migrate
* B) python manage.py makemigrations
* C) python manage.py startapp
* D) python manage.py initialize

**Answer:** A) python manage.py migrate

**15. Which of the following functions would most likely be implemented in Django views?**

* A) Displaying product listings
* B) Defining the database schema
* C) Adding URLs for the application
* D) Writing styles for the web page

**Answer:** A) Displaying product listings

**16. What would be a typical URL for accessing the Django admin panel?**

* A) http://localhost/admin
* B) http://localhost/dashboard
* C) http://localhost/home
* D) http://localhost/panel

**Answer:** A) http://localhost/admin

**17. Which file is used to specify the dependencies for the Django project?**

* A) settings.py
* B) requirements.txt
* C) dependencies.txt
* D) apps.py

**Answer:** B) requirements.txt

**18. How does Django handle database migrations?**

* A) By manually altering the database schema
* B) Using migration files generated with makemigrations and applied with migrate
* C) By automatically syncing with the database on each server start
* D) Through direct SQL queries

**Answer:** B) Using migration files generated with makemigrations and applied with migrate

**19. Which of the following would be an example of a product search term?**

* A) Email address
* B) Product ID
* C) "Laptop"
* D) Password

**Answer:** C) "Laptop"

**20. What is the main purpose of the urls.py file in Django?**

* A) To store HTML templates
* B) To define URL patterns and map them to views
* C) To configure database connections
* D) To apply styles to the web application

**Answer:** B) To define URL patterns and map them to views