Django Basic Examination

Total Marks: 100
Duration: 1 hour
Submission Deadline: Same Day

Instructions

- Complete all questions.
- Save the document as: `[Student Name] - Django Basics - [Date] - Exam 02`.

Multiple Choice Questions (100 marks)

1. What command is used to create a new Django project?
   a) `django-admin startproject [project_name]`
   b) `startproject [project_name]`
   c) `django create project [project_name]`
   d) `django-admin create [project_name]`

2. Which file is primarily used to manage project settings?
   a) `urls.py`
   b) `settings.py`
   c) `views.py`
   d) `manage.py`

3. What command starts the Django development server?
   a) `python manage.py startserver`
   b) `django-admin runserver`
   c) `python manage.py runserver`
   d) `django-admin startserver`

4. What is the purpose of the `urls.py` file?
   a) To define models
   b) To configure views
   c) To manage URL routing
   d) To set up database connections

5. How do you create a new migration after modifying a model?
   a) `python manage.py makemigrations`
   b) `python manage.py migrate`

c) `django-admin migrate`

d) `python manage.py update`

6. What does a Django model represent?
   a) A view for rendering HTML
   b) A template for user input
   c) A database table structure
   d) A static file

7. Which command is used to apply migrations?
   a) `python manage.py applymigrations`
   b) `python manage.py migrate`
   c) `django-admin migrate`
   d) `python manage.py makemigrations`

8. What is a Django view?
   a) A way to define database schemas
   b) A function that receives a web request and returns a web response
   c) A template that displays data
   d) A static page

9. Which template tag is used to include another template?
   a) `{% include %}`
   b) `{% import %}`
   c) `{% render %}`
   d) `{% load %}`

10. What is the default port number for the Django development server?
    a) 8000
    b) 8080
    c) 3000
    d) 5000

11. What method is typically used to handle form submissions in a Django view?
    a) `GET`
    b) `POST`
    c) `PUT`
    d) `DELETE`

12. What does the `admin.site.register()` function do?
    a) It registers the admin interface
    b) It registers a model with the admin site
    c) It configures user permissions
    d) It creates a superuser

13. What is a URL pattern?
    a) A way to define data types
    b) A mapping between a URL and a view function

c) A method to connect to the database

d) A template for user input

14. Which command creates a new application within a Django project?

   a) `django-admin startapp [app_name]`

   b) `django-admin createapp [app_name]`

   c) `python manage.py newapp [app_name]`

   d) `python createapp [app_name]`

15. What is the purpose of middleware in Django?

   a) To manage database connections

   b) To process requests and responses globally

   c) To create templates

   d) To handle static files

16. Which database backend is used by default in Django?

   a) PostgreSQL

   b) MySQL

   c) SQLite

   d) Oracle

17. What is the purpose of the `STATIC_URL` setting?

   a) To define the base URL for serving static files

   b) To specify the URL for database access

   c) To set the URL for API endpoints

   d) To define the URL for the admin interface

18. What command is used to create a superuser?

   a) `python manage.py createsuperuser`

   b) `django-admin createuser`

   c) `python manage.py adminuser`

   d) `django-admin createsuperuser`

19. In Django, what does the `request` object represent?

   a) A database connection

   b) An incoming HTTP request

   c) A response from the server

   d) A session variable

20. How do you run tests in a Django application?

   a) `python manage.py test`

   b) `django-admin test`

   c) `python run_tests`

   d) `manage.py run_tests`

Submission

Make sure all questions are answered. Submit your document by the end of the exam.

Good luck!