

Pre-assessment test:

Total points 23/40 ?

Full stack developer using python

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✓ MVT Stands for? *

1/1

- ☐ Map-View-Template
- ☐ Main-View-Template
- ☒ Model-View-Template
- ☐ Model-View-Table



✓ What is Django used for? *

1/1

- ☒ Web development
- ☐ Game development
- ☐ Data analysis
- ☐ Machine learning



✓ What is Django's template language used for? *

1/1

- ☐ Data validation
- ☒ Dynamic HTML generation
- ☐ URL routing
- ☐ Object-Relational Mapping



✗ What is Django's forms module used for? *

0/1

- ☒ Data validation and form generation
- ☐ Dynamic HTML generation
- ☐ URL routing
- ☐ Object-Relational Mapping

✗

Correct answer

- ☒ Dynamic HTML generation

Feedback

The correct answer is right because x, y, z

✓ What is Django's staticfiles app used for? *

1/1

- ☐ Generating dynamic HTML
- ☐ Storing data in cache
- ☒ Serving static files like images, CSS, and JavaScript
- ☐ Handling user authentication

✓



✗ Which of the following is the Django shortcut method to more easily render an html response? *0/1

- ☐ response_render
- ☐ render_to_response
- ☒ render
- ☐ render_to_html



Correct answer

- ☒ render_to_response

Feedback

The correct answer is right because x, y, z

✓ What is the purpose of the "init.py" file in Django? * 1/1

- ☒ To initialize the app
- ☐ To store the app's views
- ☐ To store the app's models
- ☐ To store the app's forms



✓ What is the purpose of the "forms.py" file in Django? *

1/1

- ☐ To store the project's URL configurations
- ☒ To store the project's forms
- ☐ To store the project's models
- ☐ To store the project's views



✓ Django is a _____ Python web framework. *

1/1

- ☐ low-level
- ☒ high-level
- ☐ None of the above
- ☐ mid-level



✓ What is Django's FileField used for? *

1/1

- ☐ Serving static files
- ☒ Storing files in a database
- ☐ Generating dynamic HTML
- ☐ Handling user authentication



✓ What is the preferred way to start a new Django project? *

1/1

- ☐ Manually creating all necessary files and directories
- ☐ Copying an existing project
- ☒ Using the Django startproject command
- ☐ Using a code editor's project template



✗ How does Django handle file uploads? *

0/1

- ☐ By using the Django forms module
- ☐ By using a third-party library
- ☐ By using the Django ORM
- ☒ By using the built-in file handling functions



Correct answer

- ☒ By using the Django forms module

Feedback

The correct answer is right because x, y, z



✗ What is the Django command to view a database schema of an existing (or legacy) database? *0/1

- ☒ manage.py inspectdb
- ☐ None of the above
- ☐ manage.py inspect
- ☐ manage.py legacydb

✗

Correct answer

- ☒ manage.py inspect

Feedback

The correct answer is right because x, y, z

✗ How do you run the development server in Django? *

0/1

- ☐ django runserver
- ☐ python manage.py runserver
- ☒ python runserver manage.py
- ☐ django manage.py runserver

✗

Correct answer

- ☒ python manage.py runserver

Feedback

The correct answer is right because x, y, z



✓ What is the purpose of the "urls.py" file in Django? *

1/1

- ☐ To store project-level settings
- ☐ To store app-level settings
- ☒ To store the project's URL configurations
- ☐ To store the project's static files



✗ What does {% include %} does? *

0/1

- ☐ None of the above
- ☐ It is the same as {% extend %}.
- ☐ It will include another template.
- ☒ It will include content from another template having the same templates defined.



Correct answer

- ☒ It will include another template.

Feedback

The correct answer is right because x, y, z



✓ What are request.GET and request.POST objects? *

1/1

- ☐ Python Dictionaries
- ☐ None of the above
- ☐ Python Lists
- ☒ Python Dictionary-Like objects



✓ How does Django handle user authentication? *

1/1

- ☐ By using the Django ORM
- ☐ By relying on an external authentication service
- ☒ By providing a built-in authentication system
- ☐ Through the use of a custom authentication backend



✗ What is the default database used in Django? *

0/1

- ☐ SQLite
- ☐ PostgreSQL
- ☒ MySQL
- ☐ Oracle

✗

Correct answer

- ☒ SQLite

Feedback

The correct answer is right because x, y, z

✓ Which architectural pattern does django follow? *

1/1

- ☐ HTML
- ☒ MVT
- ☐ PHP
- ☐ None of the above

✓





What is Flask? *

1/1

- ☐ A) A front-end framework
- ☒ B) A Python-based web framework
- ☐ C) A database management system
- ☐ D) A JavaScript library



Flask is often referred to as a _____ web framework. *

0/1

- ☐ A) Full-stack
- ☐ B) Micro
- ☒ C) Macro
- ☐ D) Modular



Correct answer

- ☒ B) Micro



Which extension is commonly used in VSCode for Python development, including Flask? *1/1

- ☐ A) JavaScript Essentials
- ☒ B) Python
- ☐ C) C/C++ IntelliSense
- ☐ D) HTML Preview



✓ What is the command to create a virtual environment in Python for Flask *1/1 development?

- ☐ A) flask init
- ☒ B) python -m venv env
- ☐ C) npm init
- ☐ D) python create flask



✓ Which of the following files is typically the entry point of a Flask application? *1/1

- ☐ A) index.html
- ☐ B) config.py
- ☒ C) app.py
- ☐ D) main.js



✓ In a basic Flask app, which method is used to run the application? * 1/1

- ☐ A) app.launch()
- ☐ B) app.serve()
- ☒ C) app.run()
- ☐ D) app.execute()



✗ Which function is used in Flask to build URLs dynamically? *

0/1

- ☐ A) url_for()
- ☐ B) build_url()
- ☐ C) create_url()
- ☒ D) dynamic_url()

✗

Correct answer

- ☒ A) url_for()

✗ What argument is required by the url_for() function to generate a URL? * 0/1

- ☐ A) HTML filename
- ☐ B) Route function name
- ☒ C) HTTP metho

✗

Correct answer

- ☒ B) Route function name



✗ Which of the following HTTP methods are used to send data to a server in Flask? *0/1

- ☐ A) GET
- ☒ B) POST
- ☐ C) PUT
- ☐ D) Both A and B

✗

Correct answer

- ☒ D) Both A and B

✓ In Flask, which decorator is used to define a route that can handle both GET and POST requests? *1/1

- ☒ A) `@app.route('/path', methods=['GET', 'POST'])`
- ☐ B) `@app.endpoint('/path', methods=['GET', 'POST'])`
- ☐ C) `@app.url('/path', methods=['GET', 'POST'])`
- ☐ D) `@app.method('/path', methods=['GET', 'POST'])`

✓



✗ What is the primary function of the Jinja2 template engine in Flask? * 0/1

- ☐ A) Database management
- ☐ B) Rendering HTML templates
- ☐ C) Handling HTTP requests
- ☒ D) Managing static files

✗

Correct answer

- ☒ B) Rendering HTML templates

✗ Which of the following is a correct syntax for including a variable in a Jinja2 template? *0/1

- ☐ A) {{ variable }}
- ☒ B) {% variable %}
- ☐ C) << variable >>
- ☐ D) \${ variable }

✗

Correct answer

- ☒ A) {{ variable }}



✗ Where should CSS files be placed in a Flask application by convention? * 0/1

- ☐ A) /templates
- ☐ B) /static
- ☐ C) /assets
- ☒ D) /css

✗

Correct answer

- ☒ B) /static

✗ Which Flask method is used to include static files such as CSS and JavaScript in templates? *0/1

- ☐ A) static_url()
- ☐ B) file_for()
- ☐ C) url_for('static', filename='path/to/file')
- ☒ D) include_static()

✗

Correct answer

- ☒ C) url_for('static', filename='path/to/file')



✓ What does the `__name__` variable represent in a Flask application? * 1/1

- ☐ A) The name of the application
- ☐ B) The file name
- ☒ C) The module name in which the app is running
- ☐ D) The function name



✗ In a Jinja2 template, which statement correctly links a CSS file located in `*0/1` the `/static/css/` directory?

- ☐ A) `<link rel="stylesheet" href="{{ url_for('css', filename='style.css') }}">`
- ☒ B) `<link rel="stylesheet" href="{{ static('css/style.css') }}">`
- ☐ C) `<link rel="stylesheet" href="{{ url_for('static', filename='css/style.css') }}">`
- ☐ D) `<link rel="stylesheet" href="{{ include_static('style.css') }}">`



Correct answer

- ☒ C) `<link rel="stylesheet" href="{{ url_for('static', filename='css/style.css') }}">`



✗ In Jinja2, which of the following is used to iterate over a list of items? * 0/1

- ☐ A) {% for item in list %}
- ☒ B) {% while item in list %}
- ☐ C) {% loop item in list %}
- ☐ D) {% each item in list %}

✗

Correct answer

- ☒ A) {% for item in list %}

✓ In a Flask route, if no HTTP method is specified, which method is used by default? *1/1

- ☐ A) POST
- ☒ B) GET
- ☐ C) PUT
- ☐ D) DELETE

✓

✓ In Flask, what does the @app.route('</name>') decorator do? * 1/1

- ☒ A) It creates a dynamic URL that can accept any value for name.
- ☐ B) It restricts the URL to a specific name.
- ☐ C) It prevents the URL from accepting any parameters.
- ☐ D) It only allows numeric values for name.

✓



✓ Which command in VSCode's integrated terminal is used to install Flask *1/1
in the virtual environment?

- ☐ A) flask install
- ☒ B) pip install Flask
- ☐ C) install Flask
- ☐ D) python install Flask



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