

1. In which module do you find the generic view classes of the Django REST framework?

- ☐ The `rest_framework.viewsets` module.
- ☒ The `rest_framework.generics` module.
- ☐ The `django.views.generic` module.
- ☐ The `rest_framework.views` module.

✓ **Correct**

That's correct! Generic views are defined in the `rest_framework.generics` module.

2. Which of the following options can you use to clone a GitHub repository? Select all that apply.

- ☒ You can clone a GitHub repository with the GitHub Desktop app.

✓ **Correct**

That's correct! You can use the GitHub Desktop app to perform push and pull operations.

-
- ☒ You can download a GitHub repository as a ZIP file.

☒ **Correct**

That's correct! You can download the entire repository to your local computer as a ZIP file.

- ☒ You can use the `git clone` command in the Git terminal.

☒ **Correct**

That's correct! The `git clone` command creates a copy in the local repository.

3. Which template tag is necessary to serve the static files in the template?

- ☒ `{% load static %}`
- ☐ `{% load "/static" %}`
- ☐ `{% static %}`
- ☐ `{% include static %}`

☒ **Correct**

That's correct! You use the `{% load static %}` template tag to make static assets available.

4. Why is serialization necessary in a DRF API?

- ☐ It creates API endpoints.
- ☐ It validates the user input.
- ☐ It maps with the model structure.
- ☒ It converts model instances to JSON.

☒ **Correct**

That's correct! The serializer provides the JSON format of the `queryset` to the view.

5. Complete the following sentence. In Djoser, the endpoint to visit for generating a token for authentication is

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_____.

- ☐ /token/new/
- ☐ /tokens/
- ☒ /token/login/
- ☐ /token/create/

✓ Correct

That's correct! You use the endpoint `/token/login/` and enter your username and password to generate the authorization token.

6. How does a **ViewSet** handle the HTTP requests? Select all that apply.

- ☒ You may implement methods like `create()` and `list()` to handle request methods such as `POST` and `GET`.

☒ **Correct**

That's correct! If required, you can use the `create()`, `list()`, `update()`, and `retrieve()` methods of the base `ViewSet` class.

7. True or false: You run unit tests in Insomnia.

- ☐ True
☒ False

☒ **Correct**

That's correct! You cannot run unit tests in Insomnia. The Insomnia tool tests API endpoints.

8. How can you obtain a token with DRF's browsable API?

- ☐ You must install Djoser, use a `POST` request, and visit the endpoint `/users/create/`.
☐ You cannot obtain a token with the browsable API.
☒ You must activate `TokenAuthentication` in the `settings.py` file and visit the `obtain_auth_token`.
☐ You must install Djoser, use a `POST` request, and visit the endpoint `/users/`.

☒ **Correct**

That's correct! Visit the URL route mapped to `obtain_auth_tokenview` to obtain the authorization token.

9. Which of the following commands are Git commands? Select all that apply.

- ☒ `git merge`

✓ **Correct**

That's correct! The `git merge` command combines the remote tracking branch into the current local branch.

☐ `.gitignore`

✓ ☒ `git clone`

✓ **Correct**

That's correct! The `git clone` command replicates a remote repository in the local repository.

11. When defining a model, a field in the model that has a unique value for each record of the model is called a what?

☐ Foreign Key

☒ Primary Key

☐ CharField

☐ Relationship

✓ **Correct**

That's correct! A primary key in a model has a unique value in each record and allows the definition of relationships between models.

13. To set up a Django project in the current folder, what is the proper command?

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- ☒ `django-admin startproject <project name>`
- ☐ `pip3 install django <project name>`
- ☐ `python manage.py runserver`
- ☐ `python -m venv <project name>`

✓ Correct

That's correct! `django-admin` allows a project to be created in the current folder just by using the project name in this syntax. A different location can also be specified to create the project somewhere else on the system.

14. When the ORM is used in Django to run a query against the database, what format are the results returned in?

1 / 1 point

- ☐ XML
- ☐ JSON
- ☐ HTML
- ☒ `QuerySet`

✓ Correct

That's correct! A `QuerySet` (and its API) are used to read and manipulate objects from a database using ORM.

15. When a field is defined on a Django form, which property is defined by default?

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- ☐ `required=False`
- ☒ `required=True`
- ☐ `label="Field Name"`
- ☐ `initial="Field Name"`

✓ **Correct**

That's correct! Django assumes that any field defined should be required by default. If it is not required, then `required=False` must be specified.

16. Where can customer permissions be enforced that are created in model classes? Select all that apply.

☐ templates

☒ URL patterns

✓ **Correct**

That's correct! URL patterns can be used when there is a view function that intercepts the request.

☒ views

✓ **Correct**

That's correct! There are a number of ways to validate that a user is logged in and has appropriate permissions through a number of decorators or as part of the request.

17. In addition to the `GET` method calls, _____ calls also do not typically have a request body to send to the API endpoint.

1 / 1 point

☐ `PUT`

☐ `PATCH`

☐ `POST`

☒ `DELETE`

✓ **Correct**

That's correct! Since the endpoint should indicate the object being deleted, a payload is not typically necessary in a `DELETE` call.

18. One of the most common things to use Javascript for when building a dynamic front end is manipulating the _____, which represents the structure of the information on the page.

1 / 1 point

☐ container

☒ document object model

☐ Django model

☐ form

✓ **Correct**

That's correct! The document object model, or DOM, is a representation of the structure of the web page that can be queried and manipulated easily with Javascript.

19. What SQL command would be used if a new column needed to be added to an existing table?

1 / 1 point

- ☒ ALTER
- ☐ SELECT
- ☐ DROP
- ☐ CREATE

✓ Correct

That's correct! **ALTER** is used to change the structure of tables in the database, from adding or deleting columns in a table to adding a primary key.

21. True or False: When using `let` in Javascript, the defined variable can be used in the application before it is declared.

1 / 1 point

- ☐ True
- ☒ False

✓ Correct

That's correct! A variable declared with `var` can be used before it is declared, but a variable using `let` or `const` cannot.

22. Which Django module contains the APIs for the `HttpRequest` and `HttpResponse` object?

1 / 1 point

- ☐ `django.request` and `django.response`
- ☐ `django.web`
- ☒ `django.http`
- ☐ `django.api`

✓ Correct

That's correct! This module can be imported into a Python application and used to create and send requests and responses.

23. What special character matches zero or more characters while using Regular Expressions?

1 / 1 point

- ☒ `*` (asterisk or star)
- ☐ `^` (caret)
- ☐ `#` (hash)
- ☐ `+` (plus)

✓ Correct

That's correct! The asterisk or star (`*`) character will match all strings containing zero or more characters of the type defined.

24. If the web server is taking a long time to respond to a request and seems to have failed, an error in which range may be displayed?

1 / 1 point

- ☐ 100-199
- ☐ 200-299
- ☒ 500-599
- ☐ 400-499

✓ Correct

That's correct! Error codes in this range indicate an issue on the server or with the application.

25. When importing the math module in an application, the following `import` statement is used:

1 / 1 point

```
import math as m
```

What does `m` represent?

- ☒ alias
- ☐ view
- ☐ model
- ☐ interpreter

✓ Correct

That's correct! When using this syntax, it allows a module to be given a different name that can make code more concise and readable or just reduce the effort of writing the full module name.

26. What prefix should be used when creating test cases using PyTest?

1 / 1 point

- ☐ unittest_
- ☐ pytest-
- ☒ test_
- ☐ test-

✓ Correct

That's correct! This prefix is used and added before the name of the function being tested in the file where tests are defined.

27. When creating a superuser in the Django shell, which of the following user details are mandatory? Select all that apply.

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- ☐ Email
- ☐ Permissions
- ☒ Password

✓ Correct

That's correct! Password is the prerequisite for establishing user authentication and requires it to persist independently of the session.

- ☒ Username

✓ Correct

That's correct! A username is a prerequisite for establishing user authentication and requires it to persist independently of the session.

28. Where does a client specify the data type (like JSON or XML) it would like to receive when asking for data?

1 / 1 point

- ☐ request payload
- ☐ URL path
- ☐ response headers
- ☒ request headers

✓ Correct

That's correct! The **Accept** header specifying the requested response type should be put in the request header and can be used in the application to ensure the right data type is passed back.

30. What type of algorithm grows depending on the size of the input?

1 / 1 point

- ☒ linear time algorithm
- ☐ logarithmic time algorithm
- ☐ exponential time algorithm
- ☐ constant time algorithm

✓ **Correct**

That's correct! As the number of inputs in a linear time algorithm grows, the amount of time it takes will grow, as well.