Trainee Assessment Tools: Web Application Development with Python (Level-4)

Total points   19/30   ?

Email *

lnrs.nayem@gmail.com

✓ **In Django, which command is used to apply database migrations?** *   1/1

○ python manage.py makmigrations

○ python manage.py runmigrations

◉ python manage.py migrate   ✓

○ django applymigrations

✕ **How do you define a one-to-many relationship between two Django models?**   *0/1

○ ForeignKey

◉ OneToManyField   ✕

○ RelationshipField

○ ManyToOneField

Correct answer

◉ ForeignKey

✕ **What is the purpose of the blank option in a Django model field? ***   0/1

○ Allow the field to be blank in forms

○ Set a default value for the field

◉ Define a blank option for select fields   ✕

○ Require the field to be blank in forms

Correct answer

◉ Allow the field to be blank in forms

✗ **What is the purpose of the related_name attribute in a Django model's**   *0/1
ForeignKey field?

◯ Specify the name of the related model

◯ Define a reverse relationship from the related model

◯ Set the order of related objects

⦿ Determine the default sorting for the ForeignKey field   ✗

Correct answer

⦿ Define a reverse relationship from the related model

✓ **How do you customize the display of a model in the Django admin**   *1/1
interface?

◯ Override the __str__ method in the model

⦿ Use the list_display attribute in the model's admin class   ✓

◯ Define a custom admin template

◯ Specify the display option in the model's Meta class

✕ **How do you set a default value for a Django model field? ***   0/1

⚪ Using the default attribute in the model's field definition

⚪ Specifying a default value in the Meta class

🔘 Using the default parameter in the model's constructor   ✕

⚪ Setting the default value in the forms.py file

Correct answer

🔘 Using the default attribute in the model's field definition

---

✕ **How can you handle file uploads in Django forms? ***   0/1

⚪ Using the FileField in the form

⚪ Specifying upload_to attribute in the model's FileField

🔘 Defining a handle_upload method in the form   ✕

⚪ Configuring the UPLOAD_DIR setting in settings.py

Correct answer

🔘 Using the FileField in the form

✕ **What is the purpose of the choices option in a Django model field?** *   0/1

○ Define available options for the field

◉ Set default choices for the field   ✕

○ Specify a default value for the field

○ Configure the display format for the field

Correct answer

◉ Define available options for the field

✓ **Which Django template tag is used for URL reversing in a template?** *   1/1

◉ {% url %}   ✓

○ {% reverse %}

○ {% navigate %}

○ {% redirect %}

✓ **What does the login_required decorator do in Django?** *   1/1

○ Forces users to log out before accessing a view

◉ Requires users to log in before accessing a view   ✓

○ Checks if a user has administrative privileges

○ Ensures that only superusers can access a view

✓ **What is the purpose of the settings.py file in a Django project?** *   1/1

○ Define application-specific settings

◉ Configure project-wide settings   ✓

○ Specify URL patterns

○ Implement view functions

✓ **Which Django command is used to create a new Django application?** *   1/1

◉ python manage.py startapp   ✓

○ python createapp

○ django startproject

○ django createapp

✗ **In Django, what is the purpose of the middleware in the settings.py file?** *   0/1

○ Define middleware functions for the project

◉ Configure global middleware settings   ✗

○ Enable or disable specific middleware components

○ Specify URL patterns for middleware

Correct answer

◉ Enable or disable specific middleware components

✓ **Which Django module is used for creating forms in a Django application?**   *1/1

○ django.models.forms

◉ django.forms   ✓

○ forms.py

○ models.forms

✕ **In Django, what does the reverse() function do? ***   0/1

○ Reverse the order of elements in a list

◉ Reverse the order of characters in a string   ✕

○ Generate a URL for a given view name

○ Reverse the order of items in a queryset

Correct answer

◉ Generate a URL for a given view name

✕   **Which Django template tag is used to iterate through a list in a template?**   *0/1

◯   {% loop %}

◯   {% for %}

◉   {% iterate %}   ✕

◯   {% repeat %}

Correct answer

◉   {% for %}

✓   **Which Django setting is used to specify the default database for the application?**   *1/1

◯   DATABASE_ENGINE

◯   DB_ENGINE

◉   DATABASES   ✓

◯   DEFAULT_DB

✓ **In Django, what is the purpose of the MEDIA_ROOT setting in settings.py?**   *1/1

○ Define the root URL for media files

○ Specify the default media storage backend

◉ Define the root directory for uploaded media files   ✓

○ Configure media file permissions

✓ **What is the purpose of the AUTHENTICATION_BACKENDS setting in Django's settings.py?**   *1/1

○ Define the authentication method for the application

◉ Specify the order of authentication backends to use   ✓

○ Configure user roles and permissions

○ Enable or disable user registration

✓ **What is the purpose of the forms.ModelForm class in Django? ***   1/1

○ Define a form without a model

◉ Create a form for a Django model   ✓

○ Specify form validation rules

○ Configure the form's display format and layout**

✓ **What is the purpose of the STATIC_URL setting in settings.py?** *   1/1

    ⦿ Define the URL for static files   ✓

    ◯ Specify the default static file storage backend

    ◯ Configure static file compression

    ◯ Set the root directory for static files

✓ **How can you perform database queries using raw SQL in Django?** *   1/1

    ⦿ Using the raw() method on a model's manager   ✓

    ◯ Utilizing the queryset attribute in the model's Meta class

    ◯ Creating a custom manager with a raw_query method

    ◯ Configuring the USE_RAW_SQL setting in settings.py

✓ **Which of the following is used to define a URL pattern for a Django app's** *1/1
admin views?

    ◯ admin_url()

    ⦿ path('admin/', admin.site.urls)   ✓

    ◯ url('admin/', admin.site.urls)

    ◯ admin.pattern()

✓ **How do you include another app's URL patterns in your Django project's** *1/1
urls.py file?

⦿ include('app.urls')   ✓

◯ add('app.urls')

◯ import app.urls

◯ use('app.urls')

✓ **Which of the following is used to define a URL pattern in urls.py for a** *1/1
Django view?

◯ link()

◯ url()

◯ route()

⦿ path()   ✓

✓ **What is the purpose of the on_delete parameter in a ForeignKey field in a** 1/1
Django model?

◯ Specify the default value

◯ Define the related model

⦿ Set the on-delete behavior for the relationship   ✓

◯ Configure the field's display format

Name *

MD. NAYEM

✓ **How do you create a superuser in Django's admin interface from the command line?**   *1/1

⦿ python manage.py createsuperuser   ✓

◯ python manage.py superuser

◯ django createsuperuser

◯ django manage.py createsuperuser

✗ **What is the purpose of the HttpResponseRedirect class in Django? ***   0/1

⦿ Render HTML templates   ✗

◯ Redirect to another URL

◯ Redirect to another function

◯ Handle form submissions

Correct answer

⦿ Redirect to another URL

✓ **In Django, what is the purpose of the auto_now and auto_now_add**   *1/1
   options in a DateTimeField?

○ Specify the default date and time for the field

◉ Automatically update the field to the current date and time   ✓

○ Set the field to be read-only

○ Define the format for displaying the date and time

✗ **In Django, what is the primary purpose of the admin.py file? ***   0/1

◉ Define database models   ✗

○ Configure the Django admin interface

○ Define URL patterns for the admin section

○ Implement view functions

Correct answer

◉ Configure the Django admin interface

This form was created inside of DIPTI.

Google Forms