## Create a DJANGO application to perform CRUD operations in Django admin.

## Requirement/Tools:

## Hardware: Computer/Laptop.

## Software: Python, PyCharm Community Edition 2023.2, Django.

## Solution:

Step 1: We need to create a new folder where you want to create the Django project. I am creating a folder inside of C drive that is **cmpractical.**

Step 2: Go to the Windows search bar, type PyCharm Community Edition 2023.2, and open it.

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Step 3: Now we need to open our folder.

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Step 4: After the 3rd step, we need to install Django go to the terminal and type **pip install django** and hit enter.

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Step 5: Check the Django version type **django-admin –version** and hit enter.

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Step 6: Create a Django project for type **django-admin startproject project** and hit enter. After some time, we can see a folder created automatically whose name is project.

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Step 7: Open your Django project folder in the PyCharm.

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Step 8: Open the terminal and create a Django app type py manage.py startapp home and hit enter. After some time, we can see a folder created automatically whose name is home.

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Step 9: First we need to configure our app. Go to the setting.py and write this line inside of INSTALLED\_APPS.

"home.apps.HomeConfig"

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Step 10: Go to models.py and type these codes.

Input:

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| from django.db import models  # Create your models here. class User(models.Model):  name = models.CharField(max\_length=122)  phone = models.CharField(max\_length=122)      def \_\_str\_\_(self):  return self.name |

Step 11: Go to the terminal type **py manage.py makemigrations** and hit enter.

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Step 12: Know type **py manage.py migrate** and hit enter.

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Step 13: Create a superuser type **py manage.py createsuperuser** and hit enter and give the user name and password.

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Step 14: Open admin.py and type these codes.

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| from django.contrib import admin from .models import User # Register your models here. admin.site.register(User) |

Step 15: Open the terminal and type **py manage.py runserver** hit enter and click on the link.

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Step 16: Type **/admin** on the browser search bar.

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Step 17: Fill the user **name**, **password** and click on **Log in**.

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## **Output:**

## **CRUD** - Create

Step 18: You can see here a table whose name is Users.

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Step 19: Create a user click on the **add** **button** fill the **name**, **phone** and click on **save**.

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## **CRUD** - Read

Step 20: You can see user created successfully.

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## **CRUD** - Update

Step 21: Click on user and update it and click on save.

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## **CRUD** – Delete

Step 22: Click on user, then click on delete button after that click on Yes, I’m sure.

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Our user delete successfully.

File Upload

Step 1. We need to write one line into the models.py

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| file = models.FileField(upload\_to="home/static") |

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Step 2. Go to the setting.py find the Static files and type this code.

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| STATIC\_URL = "home/static/"  STATICFILES\_DIRS = [  BASE\_DIR / "home/static/" ] |

Step 3. Go to the terminal and type **py manage.py makemigrations** and hit enter after that type **timezone.now** and hit enter.

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Step 4. Type **py manage.py migrate** and hit enter.

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Step 5. Type **py manage.py runserver** and hit enter. You get a link simple click on it.

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Step 6. Type **/admin** on browser search bar.

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Step 7. Fill the user **name**, **password** and click on **Log in**.

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Step 8. Create a user click on the **add** **button** fill the **name**, **phone** and click on **save**.

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Step 9. The user added successfully and the file was also uploaded.

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Step 10. To check file upload or not go to the static file.

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I can read my file.

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# We have done with CRUD and File uploading.