IIDT-Blackbucks short term internship FSD session 12-APSHE

The twelth session is about Creating REST APIs in Django

Topics covered :

1. Creating REST APIs in Django.
2. API Notes
   - GET
   - Post
   - Put
   - Patch
   - Delete

Key points:

1. Make sure you have installed Django. You can create new django project using command.
2. Inside the project create a new django app using 'python manage.py startapp app_name'.
3. Define your data models in the 'models.py'file of your app.
4. Create serializers in Django to convert model instances to JSON so that they can be easily rendered into JSON format.
5. Create views that will handle the API requests .You can use Django REST framework.
6. Map URLs to the views you created.You can use Django's URL patterns to route API endpoints to the appropriate views.
7. Implement Permissions and Authentication mechanisms as needed to secure your API endpoints.
8. Test your API endpoints using tools like postman to ensure they work as expected.
9. Django REST framework is a powerful toolkit for building Web API in Django.
10. There are Some API notes. They are GET, Put ,Post, Patch, Delete.
11. GET-The GET method refers to Hyper Text Transfer protocol method that is applied While Requesting information from a particular source.
12. Post-An API POST request is an API transaction where the API requestor submits data to the API provider with the intension of updating,creating or deleting an API.
13. PUT- Put is used to update an existing resource with new data or create a resource if it dosent exist.
14. Patch-It is used to modify the Resource Properties.
15. Delete-It is a straight forward way to manage the removal of resources.