**Process to perfrom deployment in azure for the Django project.**

Note: I am planning to use PostgreSQL as my database as currently in my local I have sqlit3 as my DB.

**Step 1: Changing the Django files, for deployment.**

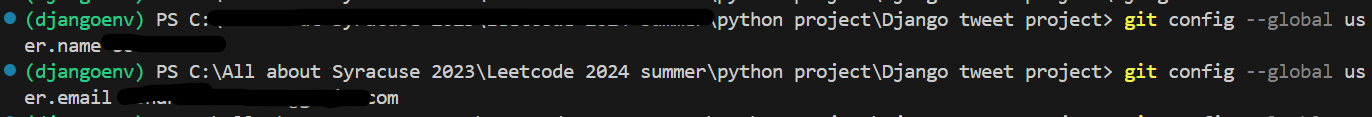
Created a Deployment.py file for handling of the configuration and it extends settings.py file , later used pytest.ini

Also, created .production file to create enable build during deployment.

Added git ignore file, to make sure those files are not check-in.

**Step 2: Push the code to the GitHub with Git account**

1. Configure git in our project
2. Save code in the git repository
3. Create a GitHub repository
4. Push code to GitHub



A screenshot of a computer screen

Description automatically generated

After this all the files have been added to the git repository.

If you do any changes and need to add into the git repository, follow the below commands

* Git add .
* Git commit -am “comment”
* Git push

**3. Create Microsoft Azure Resources**

Create resource group

Use Azure App Services to create a database and server

explaining the resources and how can we make use of them efficiently

Adding environment variable.

Now, first created a resource group

Then created a Azure App service -> Web App + Database

**Note: Using Azure Cache for Redis**

Will have list of recourse associated as shown below:

Step 4 Deploying Django code on the Azure Portal

1. Connect our code to the Azure Portal
2. Check the status of our deployment in GitHub actions
3. Migrate our database in the Azure portal
4. Test the application