Tops Technology

Module 16)
Python DB and Framework

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GitHub Project Deployment

1. Steps to push a Django project to GitHub.

➢ **Initialize a Git Repository**

➢ Open a terminal and navigate to your Django project directory.

➢ cd /path/to/your/project

➢ Initialize the Git repository.

➢ git init

➢ **Create a .gitignore File**

➢ A .gitignore file prevents unnecessary or sensitive files from being pushed to GitHub. For a Django project, include the following:

➢ Django specific

➢ *.pyc

➢ *.pyo

➢ *.pyd

➢ __pycache__/

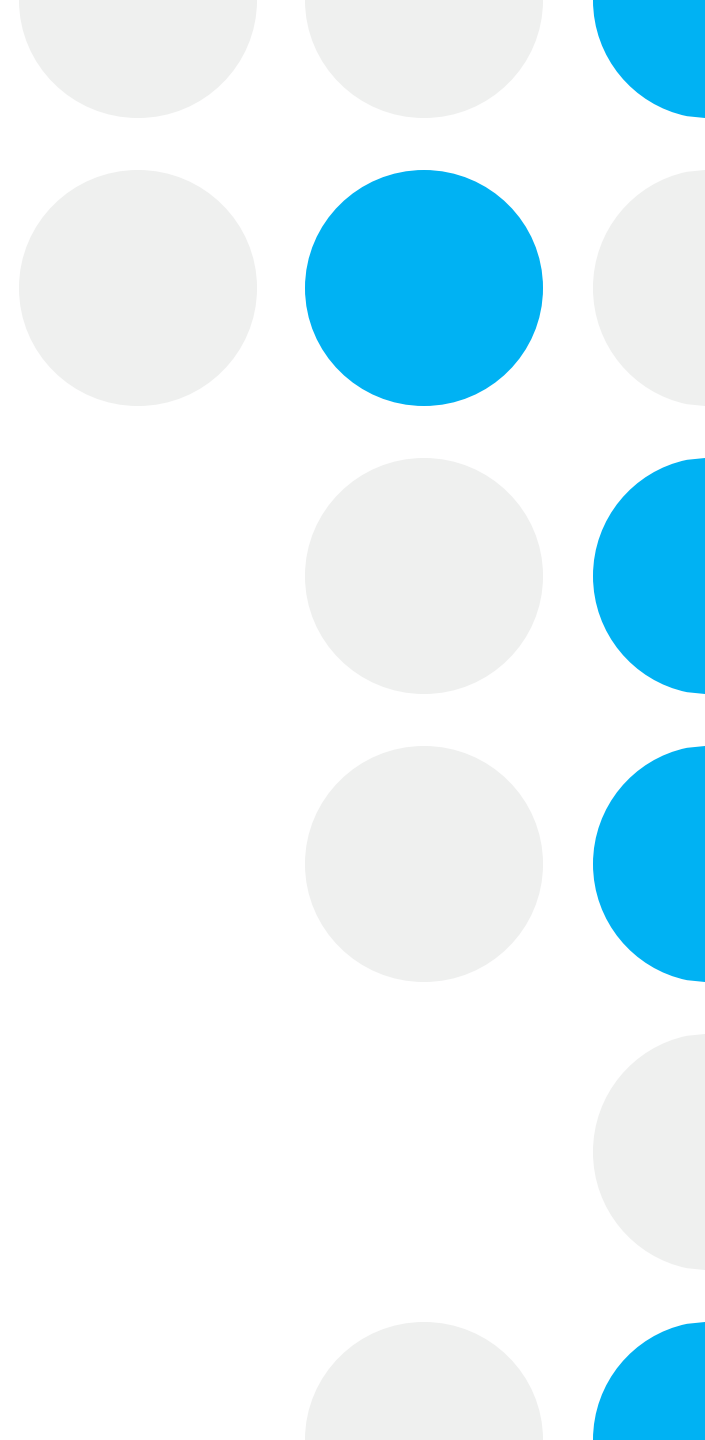➢ db.sqlite3

➢ # Environment

➢ .env

➢ *.env

- ➢ # Logs
- ➢ *.log
- ➢ # Virtual environment
- ➢ Venv/
- ➢ .nandu/ # Replace '.nandu/' with your virtual environment folder name if different.
- ➢ # IDE specific
- ➢ .idea/
- ➢ .vscode/
- ➢ **Add Files to the Repository**
- ➢ Add all files (excluding those ignored by .gitignore) to the Git repository.
- ➢ git add .
- ➢ **Commit Your Changes**
- ➢ Commit your files with a descriptive message.
- ➢ git commit -m "Initial commit for Django project"

➤ **Create a GitHub Repository**

➤ Log in to your [GitHub account](#).

➤ Click on the **New** button to create a new repository.

➤ Enter a repository name (e.g., my-django-project) and an optional description.

➤ Select whether the repository will be public or private.

➤ Click **Create repository**.

➤ **Link the Local Repository to GitHub**

➤ Copy the repository URL from GitHub and link it to your local repository.

➤ git remote add origin https://github.com/username/my-django-project.git

➤ **Push the Project to GitHub**

➤ Push your local changes to the GitHub repository.

➤ git branch -M main # Rename the branch to 'main' if it isn't already

➤ git push -u origin main

➢ **Verify the Repository**

➢ Visit your repository on GitHub.

➢ You should see all your Django project files.

➢ **Update the Repository**

➢ For future changes:

➢ Add the updated files:

➢ git add .

➢ Commit the changes:

➢ git commit -m "Updated feature X"

➢ Push the changes:

➢ git push