

1. Suppose you're in an interview. The interviewer gives you their company's website as an example, asking you to convert the website and its different parts into Django terms. How would you proceed? For this question, you can think about your dream company and look at their dream website for reference.

(This is the website I referred to for this question: <https://interclypse.com/>)

For the Interclypse website project, there would be several apps contained within the main project directory: a core app for handling the homepage, a services app for managing the Industries and Capabilities content, the news app to handle news at Interclypse updates and blog posts, the careers app to manage job listings, a search app to handle the search function, and the contact app to handle the contact form.

2. In your own words, describe the steps you would take to deploy a basic Django application locally on your system.

First, I would create a virtual environment in which to work in. Then I would install Django in the new environment. Once that is done I would create the project using the appropriate command. Once the project is created I would rename the project's root directory to src in order to avoid confusion with the directory of the same name as the root directory within the project. Then I would migrate in order to create the database, and finally run the local server.

3. Do some research about the Django admin site and write down how you'd use it during your web application development.

One of the main uses of the admin site in development is the ability to quickly perform CRUD operations on records, which can be used to quickly test aspects of the project while it is being developed without needing to write SQL queries or Python scripts. This is especially useful for quickly testing edge cases and things of that nature using quickly created test users and test data.