Django Calculator:

- 1. Set up the Django project:
 - Create a new Django project named "Calculator" using the django-admin startproject command.
 - o Create a new Django app named "calculator_app" using the python manage.py startapp command.
 - Add the "calculator_app" to the project's list of installed apps in the project's settings.

2. Define URL patterns:

- o Open the project's urls.py file and define the URL patterns.
- Create a URL pattern for the home page ("/"), which will be the main calculator view.
- Create URL patterns for each arithmetic operation, such as addition, subtraction, multiplication, and division. Each pattern should include appropriate placeholders for input operands.

3. Create views:

- Inside the "calculator_app" directory, open the views.py file.
- Import the necessary modules and define the view functions for each URL pattern created in step 2.
- Each view function should handle the corresponding arithmetic operation.
 Perform the calculation and pass the result to the template.

4. Design templates:

- Create a "templates" directory inside the "calculator_app" directory.
 Within the "templates" directory, create an HTML template named
 "calculator.html" for the calculator's home page. This template should include a form with input fields for operands and buttons for each arithmetic operation.
- Create separate templates for each arithmetic operation result. Each template should display the operands, the selected operation, and the result.

5. Connect views and templates:

- Modify the view functions to render the appropriate templates with the calculated results.
- For the home page view, render the "calculator.html" template containing the form for inputting operands.
- For the arithmetic operation views, render the appropriate templates that display the operands, operation, and result.

Guidelines:

The URL pattern for the home page should be mapped to the main calculator view.

- Each arithmetic operation should have its own URL pattern and corresponding view function.
- The view functions should extract the input operands from the request, perform the arithmetic operation, and pass the result to the corresponding template.
- The home page template should include a form with input fields for operands and buttons for each arithmetic operation.
- Each arithmetic operation result template should display the operands, the selected operation, and the result.

Enhancements (optional):

- Provide additional functionalities, such as support for decimal numbers or advanced operations like square root or exponentiation.
- Add client-side validation to the input fields to ensure that valid numbers are entered.
- Improve the user interface with CSS styling or JavaScript/jQuery interactivity.