

# Django (1)

## Chapter 1: Introduction to the Django Framework

- *Django Framework Design Principles*
- *Install Django*
- *Start a Django Project*
- *Set Up a Database for a Django Project*
- *Set Up Content: Understand Urls, Templates, and Apps*
- *Set Up the Django admin Site*

## Chapter 2: Django Urls and Views

- *Url Regular Expressions*
- *Url Parameters, Extra Options, and Query Strings*
- *Url Consolidation and Modularization*
- *Url Naming and Namespaces*
- *View Method Requests*
- *View Method Responses*
- *View Method Middleware*
- *Middleware Flash Messages in View Methods*
- *Class-Based Views*

## Chapter 3: Django Templates

- *Django Template Syntax*
- *Django Template Configuration*
- *Create Reusable Templates*
- *Built-In Context Processors*
- *Custom Context Processors*
- *Built-In Django Filters*
- *Built-In Django Tags*
- *Custom Filters*

## Chapter 4: Jinja Templates in Django

- *Jinja Advantages and Disadvantages*
- *Transition to Jinja Templates from Django Templates*
- *Jinja Template Configuration in Django*
- *Create Reusable Jinja Templates*
- *Jinja Globals: Access Data on All Jinja Templates, Like Django*

### *Context Processors*

- *Jinja Built-In Statements/Tags and Functions (Like Django Template Tags)*
- *Jinja Built-In Filters and Tests (Like Django Filters)*

- *Custom Filters and Tests in Jinja*
- *Jinja Extensions*
- *Jinja Policies*

## Chapter 5: Django Application Management

- *Django settings.py for the Real World*
- *Set Up Static Web Page Resources - Images, CSS, JavaScript*
- *Django Logging*
- *Django Email Service*
- *Debug Django Applications*
- *Django Management Commands*

## Chapter 6: Django Forms

- *Django Form Structure and Workflow*
- *Django Form Processing: Initialization, Field Access, Validation, and Error Handling*
- *Django Form Field Types: Widgets, Options, and Validations*
- *Set Up the Layout for Django Forms in Templates*
- *Django Custom Form Fields and Widgets*
- *Django Advanced Form Processing: Partial Forms, AJAX, and Files*

- *Django Formsets*