

Course duration

- 2 days

Course Benefits

1. Learn to get a Django admin site up and running quickly so that staff can easily manage data.
2. Learn to customize the view for listing, searching, and filtering data.
3. Learn to customized the views for adding and modifying data.
4. Learn to manage permissions, so that only the right users can add, modify, and delete specific types of data.
5. Learn to make bulk changes using actions.
6. Learn to install and use extensions for making Django admin even more powerful.

Course Outline

1. Setting Up
 1. Installing Django in a Virtual Environment
 2. Creating the Project
 3. Creating the polls App and the Models
 4. Django Debug Toolbar
 5. The Django Admin Documentation Generator
2. Django Admin Introduction
 1. What You Get for Free
 2. Registering Models
 3. AdminSite objects
 4. Reversing Admin Site URLs
 5. Permissions
3. The changelist View
 1. The Basics
 2. Filtering
 3. Inline Editing
 4. Speeding Up Load Time
 5. The display Decorator
4. The change View and the add View
 1. The Basics
 2. Fieldsets
 3. Related Models
 4. Setting Initial Data
5. Inlines
 1. Tables and Stacks

2. Basic Configuration
3. Features Shared with ModelAdmin
4. Permissions
5. Conflicting Foreign Keys
6. Many-to-Many Relationships
6. Actions
 1. The Basics
 2. Changing a Field Value
 3. Merging Records
 4. Exporting Records
7. Templates
 1. The Basics
 2. Overriding change_list.html
 3. Overriding change_form.html
 4. Overriding submit_line.html to Add a New Button
 5. Overriding base.html
8. Filters
 1. The Basics
 2. Creating Custom Filters
 3. Creating New Types of Filters
 4. Using Filters to Show Extra Columns
9. Useful Extensions
 1. django-ckeditor
 2. django-admin-rangefilter
 3. django-import-export
10. Advanced Topics
 1. Multiple Admin Sites

Class Materials

Each student will receive a comprehensive set of materials, including course notes and all the class examples.

Class Prerequisites

Experience in the following *is required* for this Django class:

1. Experience with Python
2. At least basic experience with Django, preferably more.

Prerequisite Courses

Courses that can help you meet these prerequisites:

- [Python Essentials Training](#)
- [Introduction to Django Training](#)
- [Advanced Django Training](#)