Month 1: Introduction to Django

Week 1: Getting Started with Django

Module 1: Course Introduction

Lecture 1: Introduction to Django

Lecture 2: Setting Up the Development Environment

Lecture 3: Creating Your First Django Project and App

Week 2: Django Models and Admin

Module 2: Django Models

Lecture 4: Models and Databases

Lecture 5: Defining Models and Fields

Lecture 6: Migrations

Module 3: Django Admin

Lecture 7: Admin Interface

Lecture 8: Customizing the Admin Panel

Lecture 9: Creating Superusers

Week 3: Views, Templates, and URL Routing

Module 4: Views and Templates

Lecture 10: Creating Views

Lecture 11: Rendering Templates

Lecture 12: Template Context

Module 5: URL Routing

Lecture 13: URL Configuration

Lecture 14: Dynamic URLs and URL Patterns

Lecture 15: URL Parameters and Query Strings

Week 4: Forms and Authentication

Module 6: Forms in Django

Lecture 16: Creating Forms

Lecture 17: Handling Form Submissions

Lecture 18: Form Validation

Module 7: User Authentication

Lecture 19: User Authentication in Django

Lecture 20: User Registration and Login

Lecture 21: Password Reset and Change

Month 2: Advanced Django Topics

Week 5: Static Files, Media Files, and Middleware

Module 8: Static and Media Files

Lecture 22: Handling Static Files

Lecture 23: Uploading and Managing Media Files

Module 9: Django Middleware

Lecture 24: Introduction to Middleware

Lecture 25: Custom Middleware

Week 6: Django REST Framework

Module 10: Introduction to Django REST Framework

Lecture 26: Building RESTful APIs

Lecture 27: Serializers and Views

Lecture 28: Authentication and Permissions

Week 7: Database Relationships and Advanced Models

Module 11: Database Relationships

Lecture 29: One-to-Many and Many-to-Many Relationships

Lecture 30: Using Foreign Keys and Many-to-Many Fields

Module 12: Advanced Models

Lecture 31: Abstract Models

Lecture 32: Model Inheritance

Week 8: Deployment and Optimization

Module 13: Deployment

Lecture 33: Preparing for Deployment

Lecture 34: Deploying Django Applications

Lecture 35: Hosting and Scaling Options

Module 14: Performance Optimization

Lecture 36: Caching

Lecture 37: Query Optimization

Lecture 38: Security Best Practices

Week 9: Practice Project Week

Module 15: Practice Project

Students work on a Django practice project.

Instructor provides guidance and assistance as needed.

Presentation and discussion of projects.