TECHGENX

Python Django(HTML+CSS+ BootStap+ JavaScript+DOM+JQuery+DJango)

Please Note: All below course content will be covered in practical scenarios and regular assignments will be shared. All sessions will be recorded and shared with student for future reference (free of cost). Along with below course.

Course Details

1. Introduction
2. Course Set-Up and Installation
3. Notes on Updates Versions of Django

Front-End Introduction

What is the Web?

HTML Level One – Basics

1. HTML Level One Introduction
2. HTML Part One Basics
3. HTML Level One - Part Two -Basic Tagging
4. HTML Level One -Part Three – Lists
5. HTML Level One -Part Four - Divs and Spans
6. HTML Level One - Part Five - Attributes
7. HTML Level One Assessment – Overview
8. HTML Level One Assessment Solutions

HTML Level Two – Advanced

1. HTML Level Two Introduction
2. HTML Level Two - Part One – Tables
3. HTML Level Two - Part Two Tables Quiz
4. HTML Level Two - Part Three Table Quiz Solutions
5. HTML Level Two Part Four - Forms Basics
6. HTML Level Two - Part Five Forms and Labels
7. HTML Level Two - Part Six Forms and Selections

CSS Level One – Basics

1. CSS Level One Intro
2. CSS Level One Part One
3. CSS Level One Part Two
4. Quick Note about next lecture
5. CSS Level One Part Three

6. CSS Level One Part Four
7. CSS Level One Part Five
8. CSS Level One Assessment
9. CSS Level One Assessment Solutions

CSS Level Two – Advanced

1. CSS Level Two Introduction
2. CSS Level Two - Part One Fonts
3. CSS Level Two - Part One (Fonts) Continued
4. CSS Level Two - Part Two Box Model
5. CSS Level Two Spectrum Project Overview
6. CSS Level Two Spectrum Project Solutions

Capstone Project One

1. Capstone Project One Overview
2. Capstone Project One Solutions

Bootstrap Overview

1. Bootstrap Introduction
2. Bootstrap Part One – Buttons
3. Bootstrap Part Two Forms
4. Bootstrap Part Three Navbars
5. Bootstrap Part Four – Grid
6. Bootstrap Project

Javascript Level One – Basics

1. JS Level One Introduction
2. JS Level One - Part One Basics
3. JS Level One - Part Two Connecting Javascript
4. JS Level One - Part Three Exercise
5. S Level One - Part Three Solutions
6. JS Level One - Part Four – Operators
7. JS Level One - Part Five - Control Flow
8. JS Level One - Part Six While Loops
9. JS Level One - Part Seven For Loop
10. JS Level One Part Eight Loop Exercises
11. JS Level One - Part Eight Solutions
12. JS Level One - Project Overview
13. JS Level One - Part Nine Project Solutions

Javascript Level Two

1. JS Level Two – Introduction
2. JS Level Two - Part One – Functions
3. JS Level Two - Part Two Function Exercises
4. JS Level Two - Part Two Function Solutions
5. JS Level Two - Part Three Arrays
6. JS Level Two - Part Four Array Exercise Overview
7. JS Level Two - Part Four Array Solutions
8. JS Level Two Part Five Objects
9. JS Level Two Part Five Objects Continued
10. JS Level Two Part Six Object Exercises
11. JS Level Two Part Six Object Exercise Solutions

Document Object Model

1. Document Object Model Introduction
2. Document Object Model - Part One - DOM Interaction
3. Document Object Model Part Two Content Interaction
4. Document Object Model Part Three – Events
5. Document Object Model - Game Project Overview
6. DOM Game Project Solutions - Part One
7. DOM Game Project Solutions - Part Two

jQuery

1. jQuery Introduction
2. jQuery Part One Basics
3. jQuery Part Two Events
4. jQuery Project Overview
5. jQuery Project Solutions Part One
6. JQuery Project Solutions Part Two
7. jQuery Project Solutions Part Three

Back-End Introduction

1. Introduction to the Back-End
2. Command Line and Terminal Overview

Python - Level One

1. Introduction to Python Level One
2. Python Installation and Set-Up
3. Numbers
4. Strings

5. Lists
6. Dictionaries
7. Tuples, Sets, and Booleans
8. Control Flow
9. Part Eight Functions
10. Part Nine Function Exercises
11. Function Exercises Solutions
12. Part Ten Simple Game Project Overview
13. Simple Game Project Solutions

Python - Level Two

1. Introduction to Python Level Two
2. Scope
3. Object Oriented Programming - Part One
4. Object Oriented Programming - Part Two
5. Object Oriented Programming - Part Three
6. OOP Project
7. Errors and Exceptions
8. Regular Expressions
9. Modules and Packages
10. Decorators
11. Name and Main

Django Level One – Basics

1. Django Level One - Part One - Django Setup
2. Django Level One - Part Two - Django Project
3. Django Level One - Part Three - Django Application
4. Django Level One - Part Four - Challenge Task
5. Django Level One - Part Five - Challenge Solutions
6. Django Level One - Part Six - URL Mappings
7. Django Level One - Part Seven – Templates
8. Django Level One - Part Eight Templates Challenge
9. Django Level One - Part Nine - Templates Solutions
10. Django Level One - Part Ten - Static Files

Django Level Two

1. Introduction to Django Level Two
2. Django Models Overview
3. Creating Models
4. Population Scripts
5. Models-Templates-Views Paradigm

6. Django Level Two Project Exercise
7. Django Level Two Project Solutions

Django Level Three

1. Introduction to Django Level Three
2. Django Forms
3. Form Basics Code Along
4. Form Validation
5. Model Forms
6. Model Forms Exercise

Django Level Four

1. Introduction to Django Level Four
2. Relative URLs with Templates
3. Relative URLs Coding Examples
4. URL Template Inheritance
5. Template Inheritance Coding Example
6. Quick Note on Custom Template Filters
7. Template Filters and Custom Filters
8. Template Filters Coding Examples

Django Level Five

1. Introduction to Django Level Five
2. Django Passwords
3. User Models
4. Quick note about forms!
5. Coding User Models and Forms Part One
6. Coding User Models and Forms Part Two
7. Registration
8. Logins

Django Deployment

1. Introduction to Django Deployment
2. Setting up GitHub
3. Full Deployment Walkthrough on Python Anywhere

Advanced Topics – CBVs

1. Introduction to CBVs
2. Hello World with CBVs
3. Template Views with CBV

4. Detail View and List View Part One
5. Detail View and List View Part Two
6. CRUD Views

First Clone Project

1. Introduction to First Clone Project
2. Blog Clone Project Part One
3. Blog Clone Project Part Two
4. Blog Clone Project Part Three
5. Blog Clone Project Part Four
6. Blog Project Part Five
7. Blog Project Part Six
8. Blog Project Part Seven
9. Blog Post Project Part Eight
10. Blog Project Part Nine
11. Blog Project Part Ten

Social Media Site Clone Project

1. Introduction to Social Media Clone Project
2. Social Clone Part One
3. Social Clone Part Two
4. Social Clone Part Three
5. Social Clone Part Four
6. Social Clone Part Five
7. Social Clone Part Six
8. Social Clone Part Seven
9. Social Clone Part Eight
10. Social Clone Part Nine
11. Social Clone Part Ten
12. Social Clone Part Eleven
13. Social Clone Part Twelve
14. Social Clone Final Part

Advanced Topics - Debug Toolbar

1. Introduction to Debug Toolbar
2. Debug Toolbar Overview

Advanced Topics - Customizing the Django Admin

1. Introduction to Admin
2. Admin Templates

3. Ordering Fields
4. Adding Search
5. Adding Filters
6. Adding Fields
7. Editable List View