

## The CodeUp Club

### Course Syllabus

**Course Title:** Getting Started with Django: Building Your First Django App.

**Schedule:** 4 weeks, 2x per week, 1.5 hour lectures (8 total classes)

**Start:** October 2020 (course times vary).

**Instructor Name:** Zach Fink

#### Getting Started with Django: Building Your First Django App

#### **Course Description:**

The CodeUp Club's Django course will teach you everything you need to know to have a fully functioning website using Django. You will learn how to set up your Django environment, create templates (html files), url mappings, interact with a SQLite database, log in and log out users, as well as many other topics all while creating your first Django website!

**Course Prerequisite(s):** Basic understanding of HTML, CSS, Python & command line

**Approximate homework per week:** 1-2 hours (not including project time)

**Project:** Portfolio/Social Media Application

#### Week One:

##### **1. Lecture 01: Introductions + Django Basics**

###### **a. Lecture Material**

- i. Personal Introductions and Course Breakdown
- ii. What is Django? MVC vs MVT Framework
- iii. Django project vs Django App
- iv. URL Mappings
- v. Intro to templates

###### **b. Homework**

- i. HW1.pdf - Django project/app creation

##### **2. Lecture 02: Templates and Static Files**

###### **a. Lecture Material**

- i. How do templates fit into the MVT framework
- ii. Template tagging
- iii. Static Files
- iv. Template inheritance

###### **b. Homework**

- i. HW2.pdf - Templates

Week Two:

**3. Lecture 03: Models**

**a. Lecture Material**

- i. Creating our first models
- ii. Creating superuser to access Django admin
- iii. Population Scripts

**b. Homework**

- i. HW3.pdf -Models/Views/Templates Part 1

**4. Lecture 04: MTV Paradigm**

**a. Lecture Material**

- i. Connecting Models-Templates-Views

**b. Homework**

- i. HW3.pdf continued - Models/Views/Templates Part 2

Week Three:

**5. Lecture 05: Forms & Connecting Models/Forms**

**a. Lecture Material**

- i. Creating basic forms
- ii. Creating forms with user generated models

**b. Homework**

- i. HW4.pdf - Forms

**6. Lecture 06: User Models**

**a. Lecture Material**

- i. Connecting additional user info to Django built in User model
- ii. Display user profile info form with template tagging

**b. Homework**

- i. HW5.pdf - Built-in Models

Week Four:

**7. Lecture 07: Registration and Login/Logout**

**a. Lecture Material**

- i. Creating user registration view
- ii. Creating login/logout view using class based views and function based views

**b. Homework**

- i. HW6.pdf - Login/Logout

**8. Lecture 08: Wrap Up**

**a. Lecture Material**

- i. Students will present how they personalized their project
- ii. Virtual hugs goodbye <3

**b. Homework**

- i. Use your django knowledge to create your own web app!!