Web Programming with Python and JavaScript

Lecture 7: Django

July 19, 2018

Week #	Tuesday	Thursday
0	Git	HTML, CSS
1	Python, Flask <i>Project 0</i>	SQL
2	ORMs, APIs	JavaScript <i>Project 1</i>
3	Front Ends	Django
4	Testing, CI, CD <i>Project 2</i>	Security
5	Scalability	Seminars <i>Project 3</i>
6	-	App Party <i>Final Project</i>

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Django

django-admin startproject projectname

Project Components

- init_.py
- manage.py
- settings.py
- •urls.py
- •wsgi.py
- •projectname/

Application Components

- admin.py
- apps.py
- migrations/
- models.py
- •tests.py
- •views.py

manage.py Commands

- startapp
- makemigrations
- migrate
- sqlmigrate
- shell
- createsuperuser
- runserver
- •

python manage.py startapp appname

Model Field Types

- models.BooleanField
- models.CharField
- models.DateField
- models.DecimalField
- models.IntegerField
- models.TextField

• . . .

on_delete Effects

- CASCADE
- PROTECT
- SET_NULL
- . . .

Model Field Types (Relationships)

- models.ForeignKey
- models.ManyToManyField
- models.OneToOneField