CLOUD COMPUTING

Cloud Application Design

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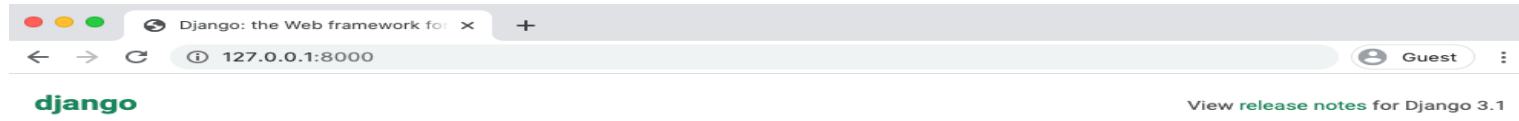
Django Installation

- On the command prompt type pip3 install Django

- You can create Projects and Apps in django

- Django project can have multiple applications

- Apps is where you write the code and make the website functional

- Each app can be part of multiple projects

Django Project

- When you create Django Project a number of files are created:

- __init.py__: this specifies that this folder is a python package

- manage.py: array of functions for managing the site

- settings.py: This file contains the website's settings

- urls.py: URL patterns that map URLs to the pages

Django Installation

- Create a Django project. Type django-admin.py startproject myproject at the command prompt

- In settings.py file

  Allowed_hosts['*']

  Middleware -> last list to be commented

- Start the development server.

  - python manage.py runserver 8000 (or)

  - python manage.py runserver 0.0.0.0:8000

  - Note: if 8000 prompts error, then use 8080

  - Opens up Django default page

Django Installation

Django Application

- When you create a new application a directory is created for the app. It contains many files.

  python manage.py startapp hello

- admin.py is a configuration file for the built-in Django Admin app

- apps.py is a configuration file for the app itself

- migrations/ keeps track of any changes to our models.py file so our database and models.py stay in sync

Django Application

- models.py is where we define our database models which Django automatically translates into database tables

- tests.py is for our app-specific tests

- views.py is where we handle the request/response logic for our web app

THANK YOU

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