

CSE312 Open Source Report

Technology: Django

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Django is a python-based, open source framework for the Web that promotes quick development for sustainable websites. Between 2003 and 2005 it was initially created by experienced developers to aid in the development of database-driven websites. The web team first set out to create and maintain newspaper sites, however after creating the same content over and over, they began to develop this template.

Django is pre-loaded with various features to help us with the development process. Referred to as a complete program, it strives to include many features 'in house'. To be accessible to a wide range of users, Django includes extensive and up to date documentation. It provides an object-relational mapper to assist in your code layout, as well as the Python API for assisting in fetching your data.

The application is versatile and scalable. In the past it has been used to build a variety of website types working with a number of server frameworks and content renderings. To do this, Django uses an open architecture, meaning hardware can be added at any level of implementation (database servers, Web/App servers). For our project we are using this feature specifically to serve our static files. Django does this by taking in the request, parsing it for header data, before finally directing and serving it to the path.

The GitHub for this is found at:

<https://github.com/django/django/blob/master/django/views/static.py>

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The Django license is provided on their GitHub here:

<https://github.com/django/django/blob/master/LICENSE>