

CamelCased Test Plan

Introduction

This document will cover our procedure for testing core components of Django, a python web framework.

Test Procedure

We are going to test core Django components, starting off by testing the Django pagination classes. In our first task we will begin to design our test cases. We already have 5. A framework will be designed to run the tests. The framework will run scripts that will compare the expected outcome with the result and print a test report. Since Django is written in python, we will write these scripts in python for quick access to the classes and methods we will be testing. As we design each test, we will create the proper input data and expected outcomes so our tests fully test the component.

Our framework will include a directory to hold our test cases, each in its own text file. There will be a directory for our scripts, and a directory for our test reports. All django files will be stored in the django directory.

Every few weeks we will have the following deadlines:

Deliverable 3 due October 14th

Deliverable 4 due November 6th

Final Deliverable due November 18th

Test Cases

Test cases will be structured as such:

1. test number or ID
2. requirement being tested
3. component being tested
4. method being tested
5. test input(s) including command-line argument(s)
6. expected outcome(s)

Our first 5 test cases:

```
1 paginator_default Paginator(object_list=[array size 4], per_page=2) validate_number(number=?)  
["1","hi",0,-1,3,2] [1,err,err,err,err,2]  
2 paginator_empty_first_page Paginator(object_list=empty,per_page=2,allow_empty_first_page=?)  
validate_number(number=?) [{true,1},{true,3}, {false,1}, {false,3}] [1,err,err,err]  
3 paginator_orphans Paginator(object_list=[array size 10],per_page=3,orphans=?)  
page(number=?).number [{0,4},{1,4},{0,3},{1,3},{2,3}] [1,err,3,4,4]
```

```
4 page_has_next Paginator(object_list=[array size 5],per_page=2) page(number=?).has_next() [1,3]
    [true, false]
5 page_has_previous Paginator(object_list=[array size 5],per_page=2) page(number=?).has_previous()
[1,3] [false, true]
```

Hardware/Software Requirements

Ubuntu Linux (we're using version 14.04.1)

Python 2.7.5

Should require no more than a 6-7gb of hard drive space and 512mb of memory.

Constraints

- 3 team members.
- a limited amount of time to complete each task. Final report due November 20th .
- not entirely fluent with python.
- schedules limited in flexibility.