

Getting Started

This exercise is meant to test your aptitude to learn a new technology and the application of that new technology. The exercise will be based on the following technology stack:

- Python
- Django
- HTML, CSS, javascript
- Choice of front-end framework or combination (bootstrap, backbone, angular, jquery etc)
- DB (mysql, SQLite etc)

Please start by doing the following tutorials:

- <https://docs.djangoproject.com/en/1.7/intro/install/>
- <https://docs.djangoproject.com/en/1.7/intro/tutorial01/>

You will notice through the tutorial that any Django website will include a set of administration screens by default that will allow you to create content for your particular site. This will allow you to create the necessary content for this exercise.

Exercise Summary

You are to build a simple Django website that contains only two pages:

- A list page that enumerates all articles contained on the site
- A detail page that displays the contents of a particular article

These two pages will have two common components which you will need to extract out to be leveraged by the two pages.

- Side navigation
 - For this exercise, there does not need to be any functionality related to the navigation aside from having the 4 navigation images clickable (as a placeholder to represent they are linkable)
 - Create it in a way that the side navigation is a snippet that can be included in your two page views
- “What to read next” section
 - This section would have a randomized set of 4 slots for links to any 4 articles in your system and displays only a thumbnail of the hero image and the title of the article.
 - Create it in a way that the side navigation is a snippet that can be included in your two page views

Please create a personal repository for your site in github where we will go to review your end product.

Articles

You will be dealing with a single content type – the article, which you will define as having the following properties:

- A title
- An author
- A publication date
- A category
- A hero image
- An optional additional image
- Body Text

It is up to you on how you want to define those properties and what they are populated with. For example, my implementation of this test exercise may be around Sports related articles so as an example, I may create an article with the following:

- Title: Maple Leafs Lose Again
- Author: John Smith
- Publication: November 3, 2014
- Category: Hockey
- Hero Image: <some image of a big "X" through the leaf logo>
- Optional Image: <some image of a goal being scored on James Reimer>
- Body Text: <the body of the content does not matter, it could be filler content such as asdf asdf asdf but needs to be different enough to determine that it is being dynamically pulled for the specific article>

For testing purposes, you can create as many articles as you like.

Article List Page

Please refer to the wireframe at the end of the document for details.

This page can be broken down into 4 different sections:

1. The side navigation
2. The “what to read next” section
3. Random article “preview”
4. Enumerated list of articles

When a user loads the page, a random article is summarized and displayed at the top in the “preview” section according to the details specified in the wireframe.

The next section should be a list outlining selected attributes of the list of articles in our system according to the wireframe details. To keep things simple, the order of what to display should just be by ascending publication date excluding any articles set to be published in the future. Each article piece within this list should be clickable which will take the user to the article detail page.

Article Detail Page

Please refer to the wireframe at the end of the document for details.

This page can be broken down into 3 different sections:

1. The side navigation
2. The “what to read next” section
3. Content of the selected article

Any article that the user had selected in the previous section should link to a detail page which would dynamically populate the page according to the wireframe based on the particular articles’ properties.

Additional Notes

- Do not spend time creating data for the different properties of an article – it can be about anything including any fake images you need for the article.
- You are free to use any visual design for the website as long as you build the site according to the two wireframes.
- You are free to use any front-end technology stack or framework (jquery, angular, bootstrap, backbone).
- You are free to use any database (mysql or the default Django SQLite)

Nav 1

Nav 2

Nav 3

Nav 4

Nav 5

Top 10 List

Thursday, September 18th, 2014 | [Jasmine Moir](#)



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List Title One

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List Title Two

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List Title Three

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[Call to Action](#)

What to Read Next



Related Title 1



Related Title 2



Related Title 3



Related Title 4

Nav 1

Nav 2

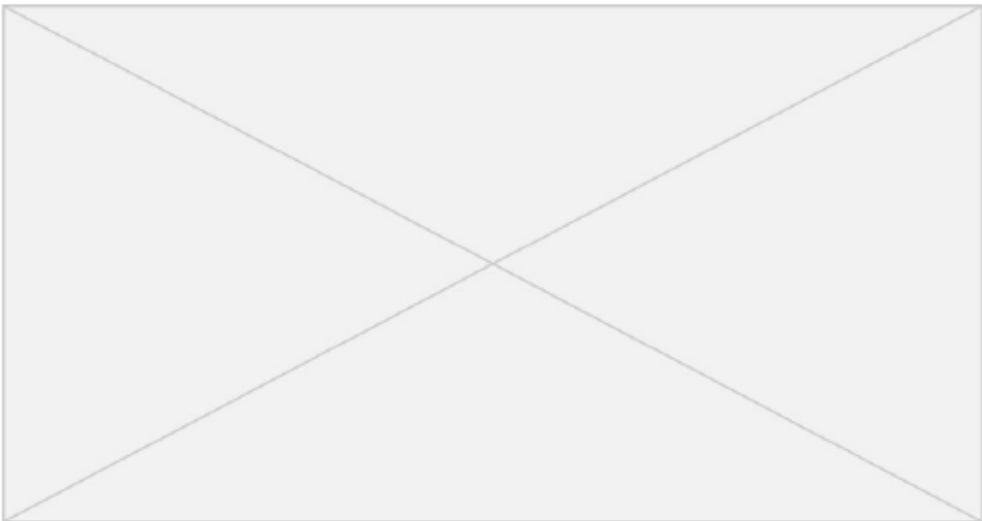
Nav 3

Nav 4

Nav 5

Title of Article

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What to Read Next



Related Title 1



Related Title 2



Related Title 3



Related Title 4