

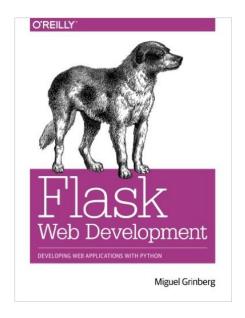
Flask II

Harry J. Wang, Ph.D.

University of Delaware

Resources

 Flask Web Development: Developing Web Applications with Python by Miguel Grinberg (1st Edition)



• Sample Course Application: SongBase: https://github.com/udmis/songbase



Jinja2 (review)

- Jinja2 is a modern and designer-friendly templating language for Python.
- /templates folder for HTML template files

Index.html

song-all.html

```
<!DOCTYPE html>
<html>
 <head>
   <meta charset="utf-8">
   <title>User Page</title>
 </head>
 <body>
   <h1>Coldplay Top Hits:</h1>
   {# This is a loop #}
   <l
     {% for song in songs %}
         {{song}}
     {% endfor %}
   </body>
</html>
```

Template Reuse via Inheritance

base.html

- block tags define elements that a derived template can change.
- super() is used to retain the original contents.

index.html

Example

New home-base.html

Original Index.html

New Index.html

```
{% extends "home-base.html"%}
{% block title %}Home Page{% endblock %}
{% block head%}
   {{ super() }}
   <style>
    h1 {
      color:red;
    }
   </style>
{% endblock%}
{% block body%}
    <h1>this is the homepage</h1>
{% endblock%}
```

Exercise (see songbase repo for details)

- Use template inheritance to add Bootstrap, jQuery, FontAwesome via CDN so that they are available for every page
- Add a navigation bar for every page using the template at https://startbootstrap.com/template-overviews/logo-nav/ and use the SongBase logo
- Note: it's important to have a block for page content and a block for javascripts
- Create a songbase.css file to define custom css style
- Use 'git checkout v2' to see the code