

Flask Python (3)

Rendering Templates

We now need to change the code in our *flask_app.py* file so that we can take the html out of the functions and put them in a template.

Step 1 : Create a directory called *templates* in the mysite directory.

Step 2: Change your code in flask to this.

```
from flask import Flask, render_template, request

app = Flask(__name__)

@app.route('/')

def index():

    return render_template('index.html')

@app.route('/endurance')

def endurance():

    return render_template('endurance.html')

@app.route('/james_caird')

def james_caird():

    return render_template('james_caird.html')

if __name__ == '__main__':

    app.run(DEBUG = True)
```

Step 2: The above code creates a home route and a route for info and contact details. We now also have the ability to use the `render_template` function which is essentially using Jinja2 to render some html and push it to the browser.

Templates

Step 1: Our first job is to create a *base.html* file in the template directory. This will contain a navigation bar and a title and picture of Shackleton. This can appear on every page.

```
<!DOCTYPE html>
<html lang="en">
    <head> ... </head>
    <body>
        --- Main container ---
        <div class="container-fluid">
            --- Navigation bar at the top ---
            <div class="container-fluid">
                <nav> ... </nav>
            </div>
            <div class="container-fluid">
                --- Picture and Title ---
            </div>
            ----- THIS IS CONTENT WHICH WILL CHANGE!!
            {% block content %}
            {% endblock %}
            -----
        </div>
    </body>
</html>
```

You should put the navigation bar and the title and image of Shackleton in here. Use Bootstrap to do this. Here's what it could look like



Step 2: You now need to create your *index.html* page in the templates folder. This will look like this:

```
{% extends "base.html" %}
{% block content %}
    <div class="container">
        --- You put the rest of the Shackleton content in here
    </div>
{% endblock %}
```

Here we are extending the base.html. the content block on this page will be put into the correct place on the base.html and it will render neatly.

Step 3: Create other templates based on Shackleton i.e. Dulwich College and James Caird so that you web site start begins to take shape.

Step 4: In the navigation link you can call the function to render the correct page such as:

```
href="{{url_for('endurance')}}"
```

The {{ }} allows us to use some code within our html – in the case the url_for library function to call a webpage. We will explore this later as it is crucial for making our webpages dynamic!