

----- DJANGO TUTORIAL 10 -----

In this video I'll create and style all my basic pages. We'll also use Crispy Forms to improve the look of our forms.

1. Create an app for our pages

```
python manage.py startapp pages
```

2. Update settings.py with the app

```
INSTALLED_APPS = [  
    'django.contrib.admin',  
    'django.contrib.auth',  
    'django.contrib.contenttypes',  
    'django.contrib.sessions',  
    'django.contrib.messages',  
    'django.contrib.staticfiles',  
    'users.apps.UsersConfig',  
    'pages.apps.PagesConfig',  
]
```

3. Update bobs_list urls.py

```
urlpatterns = [  
    path('admin/', admin.site.urls),  
    path('users/', include('users.urls')),  
    path('users/', include('django.contrib.auth.urls')),  
    # path('', TemplateView.as_view(template_name='home.html'), name='home'),  
    # Point the main page to the pages app  
    path('', include('pages.urls')),  
]
```

4. Create pages/urls.py

```
from django.urls import path  
from .views import HomePageView
```

```
urlpatterns = [  
    # HomePageView is a class so we use as_view  
    path('', HomePageView.as_view(), name='home'),  
]
```

5. Define pages app views in pages/views.py

```
from django.views.generic import TemplateView
```

```
class HomePageView(TemplateView):  
    # Define the template  
    template_name = 'home.html'
```

6. Add Bootstrap styling to base.html

Get the Bootstrap navigation bar from here <https://getbootstrap.com/docs/4.0/components/navbar/>

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

  <!-- Bootstrap CSS -->
  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/
bootstrap.min.css" integrity="sha384-MCw98/
SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO"
crossorigin="anonymous">
  <!-- Extending templates can add a title -->
  <title>{% block title %}Bob's List{% endblock title %}</title>
</head>
<body>
  <nav class="navbar navbar-expand-lg navbar-light bg-light">
    <a class="navbar-brand" href="{% url 'home' %}">Bob's List</a>
    <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
      <span class="navbar-toggler-icon"></span>
    </button>

    <div class="collapse navbar-collapse" id="navbarSupportedContent">

      {% if user.is_authenticated %}
      <ul class="navbar-nav mr-auto">

        <li class="nav-item active">
          <a class="nav-link" href="{% url 'password_change'%}">Change Password<span
class="sr-only">(current)</span></a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="{% url 'logout' %}">Logout</a>
        </li>
      </ul>
      {% else %}

      <form class="form-inline my-2 my-lg-0">
        <a href="{% url 'login' %}" class="btn btn-outline-secondary">Log In</a>
        <a href="{% url 'signup' %}" class="btn btn-primary ml-2">Sign up</a>
      </form>
      {% endif %}

    </div>
  </nav>
  <div class="container">
    <!-- This is where other templates will put custom info -->
    {% block content %}
```

```

    {% endblock content %}
</div>

<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js"
integrity="sha384-ZMP7rVo3mlykV+2+9J3UJ46jBk0WLaUAdn689aCwoqBjJiSnjAK/
l8WvCWPIpM49" crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"
integrity="sha384-ChfqquxZUCnJSK3+MXmPNlyE6ZbWh2IMqE241rYiqJxyMiZ6OW/
JmZQ5stwEULTy" crossorigin="anonymous"></script>
</body>
</html>

```

7. Add styling to the button on login.html

```

{% extends 'base.html' %}
{% block title %}Login{% endblock title %}
{% block content %}
<h2>Log In</h2>
<form method="post">
{% csrf_token %}
{{ form.as_p }}
<button class="btn btn-success ml-2" type="submit">Log In</button>
</form>
{% endblock content %}

```

8. Install django-crispy-forms and add it to installed apps in settings

pipenv install django-crispy-forms

9. Update settings with crispy forms

```

INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'crispy_forms',
    'users.apps.UsersConfig',
    'pages.apps.PagesConfig',
]

```

10. Update signup.html to use Crispy Forms

```

{% extends 'base.html' %}
{% load crispy_forms_tags %}
{% block title %}Sign Up{% endblock title %}
{% block content %}
<h2>Sign Up</h2>

```

```

<form method="post">
{% csrf_token %}
{{ form|crispy }}
<button class="btn btn-success" type="submit">Sign Up</button>
</form>
{% endblock content %}

```

11. Remove login signup links from home.html

```

{% extends 'base.html' %}
{% block title %}Home{% endblock title %}

{% block content %}
<!-- Check if user is logged in and if they are say hi
and provide a logout option
{% if user.is_authenticated %}
  Hi {{ user.username }}
  <p><a href="{% url 'logout' %}">Log Out</a></p>
{% else %}
  <!-- If not logged in display links to login or signup
  <a href="{% url 'login' %}">Log In</a>
  <a href="{% url 'signup' %}">Sign Up</a>
{% endif %} -->
{% endblock content %}

```

In the next video I'll setup a system so users can change and reset their passwords. I'll also cover how to verify new users by using a transactional email using an SMTP relay being Mailjet for free.