

INDEX

beltApp/urls.py

beltApp/views.py

beltApp/templates/index.html

Index function

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

urlpatterns = [
    path('', views.index),
    path('register', views.register),
    path('login', views.login),
    path('logout', views.logout),
]
```

```
def index(request):
    request.session.flush()
    return render(request, 'index.html')
```

Erases any current session data
and renders the index template

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login & Registration</title>
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
    {% load static %}
    <link rel="stylesheet" href="{% static 'css/style.css' %}">
</head>
<body>
    <div class="wrapper">
        <div class="top">
            <div class="boxes">
                <h1>Register</h1>
                {% if messages %}
                <ul>
                    {% for message in messages %}
                    <li>{{ message }}</li>
                    {% endfor %}
                </ul>
                {% endif %}
                <form action="/register" method="POST">
                    {% csrf_token %}
                    <div class="form-group">
                        <label for="first_name" class="control-label">Name:</label>
                        <input type="text" name="name" class="form-control">
                    </div>
                    <div class="form-group">
                        <label for="alias" class="control-label">Alias:</label>
                        <input type="text" name="alias" class="form-control">
                    </div>
                    <div class="form-group">
                        <label for="email" class="control-label">Email:</label>
                        <input type="text" name="email" class="form-control">
                    </div>
                    <div class="form-group">
                        <label for="password" class="control-label">Password:</label>
                        <input type="password" name="password" class="form-control">
                    </div>
                    <div class="form-group">
                        <label for="passwordC" class="control-label">Confirm Password:</label>
                        <input type="password" name="passwordC" class="form-control">
                    </div>
                    <div class="form-group">
                        <button class="btn btn-primary" type="submit">Register</button>
                    </div>
                </form>
            </div>
        </div>
    </div>
```

Register Form

Registration information from index.html form sent to /register path which looks for the register function.

beltApp/templates/index.html

beltApp/urls.py

beltApp/views.py

Register function

```
<form action="/register" method='POST'>
  {% csrf_token %}
  <div class="form-group">
    <label for="first_name" class="control-label">Name:</label>
    <input type="text" name="name" class="form-control">
  </div>
  <div class="form-group">
    <label for="alias" class="control-label">Alias:</label>
    <input type="text" name="alias" class="form-control">
  </div>
  <div class="form-group">
    <label for="email" class="control-label">Email:</label>
    <input type="text" name="email" class="form-control">
  </div>
  <div class="form-group">
    <label for="password" class="control-label">Password:</label>
    <input type="password" name="password" class="form-control">
  </div>
  <div class="form-group">
    <label for="passwordC" class="control-label">Confirm Password:</label>
    <input type="password" name="passwordC" class="form-control">
  </div>
  <div class="form-group">
    <button class="btn btn-primary" type="submit">Register</button>
  </div>
</form>
```

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

urlpatterns = [
    path('', views.index),
    path('register', views.register),
    path('login', views.login),
    path('logout', views.logout),
]
```

```
def register(request):
    if request.method == "POST":
        errors = User.objects.Registration_Validator(request.POST)
        if len(errors) != 0:
            for key, value in errors.items():
                messages.error(request, value)
            return redirect('/')
        else:
            hashed_pw = bcrypt.hashpw(request.POST['password'].encode(), bcrypt.gensalt()).decode()
            new_user = User.objects.create(name=request.POST['name'], alias=request.POST['alias'],
            request.session['user_id'] = new_user.id
            # UNCOMMENT BELOW and CHANGE FOR EXAM
            #return redirect('/books')
            return redirect('/')
```

Login Form

Login information from index.html form sent to /login path which looks for the login function. If successful login, redirects to specified page.

beltApp/templates/index.html

```
<div class="boxes">
  <h1>Log In</h1>
  <form action="/login" method="POST">
    {% csrf_token %}
    <div class="form-group">
      <label for="email" class="control-label">Email</label>
      <input type="text" name="email" class="form-control">
    </div>
    <div class="form-group">
      <label for="password" class="control-label">Password</label>
      <input type="password" name="password" class="form-control">
    </div>
    <div class="form-group">
      <button class="btn btn-primary" type="submit">Log In</button>
    </div>
  </form>
</div>
```

beltApp/urls.py

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

urlpatterns = [
    path('', views.index),
    path('register', views.register),
    path('login', views.login),
    path('logout', views.logout),
]
```

beltApp/views.py

Login function

```
def login(request):
    if request.method == "POST":
        errors = User.objects.Login_Validator(request.POST)
        if len(errors) > 0:
            for key, value in errors.items():
                messages.error(request, value)
            return redirect('/')
        this_user = User.objects.filter(email = request.POST['email'])
        request.session['user_id'] = this_user[0].id
        # UNCOMMENT BELOW and CHANGE FOR EXAM
        #return redirect('/books')
        return redirect('/')
```