

Coursework Report

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Abstract

Keywords---python, Flask(URL, Redirect, route, errorhandler, static files, templates...), movies Html...

1 Introduction

This courework is about build a few webpages and then make them to get interactive. The main purpose for the first course is teach us how to use Flask. And also, there will be include some skills about how to route, and redirect a route, what can we do with route, also, we need to learn how to use request and response.

Skilled used in the first part:

Route: route is to describe a page's location

```
@app.route('/')
```

URL : This skill is used to located a page, we can change into another page by URL

```
http://set09103.napier.ac.uk:9195
```

Request: Data transmitted in a POST or PUT request can then be accessed using the form attribute of the request object.

```
@app.route('/login', methods=['GET', 'POST'])
def login():
    error=None
    if request.method=='POST':
        if request.form['username']=='zhangbowen' and request.form['password']=='zhangbowen':
            return redirect(url_for('index', username=request.form['username']))
        else:error ="Incalid username or password"
    return render_template('login.html', error=error)
```

Static: static is a directory which is used to store some files, javascript, images, and CSS, that are stored in the lesystem.vim

```
40333150@soc-web-liv-12:~/zhang/lib/static$ ls
css  fonts  img  js  style
```

Errorhandler: This skill is used to define a page which whwen get a error.

```
@app.errorhandler(404)
def page_not_found(error):
    return render_template('error404.html'), 404
```

Render_template: render_template is used to import a template which you have create.

```
return render_template('page3.html')
```

Redirect: redirect could used to be redirect to another page

```
return redirect(url_for('index', username=request.form['username']))
```

2. Design:

There are mainly four sections included in this part. The first part is the home page. These screenshot will be add in the appendix. And the next part is introduce some actors in this films. The function and the route are as follows:

```
@app.route('/rolers')
def rolers():
    return render_template('page1.html')

@app.route('/rolers/Hugh/')
def rolers_1():
    return render_template('people1.html')

@app.route('/rolers/lan/')
def rolers_2():
    return render_template('people2.html')

@app.route('/rolers/Rouge/')
def rolers_3():
    return render_template('people3.html')

@app.route('/rolers/Storm/')
def roler_4():
    return render_template('people4.html')

@app.route('/rolers/Toad/')
def rolers_5():
    return render_template('people5.html')
```

In another page i post some pictures. From these page we can find some fantastic picture about the films.The last page is about some key roles appeared in the films.

3. enhancement:

In my web-app, there are many introduction about the actors, roles, and background, there is another functions i want to add is to add a button link some hypertext. When you click the button “ watch movie” and then you can watch these films.

Another thing need to be concerned is i should spend much time on CSS to make the web page looks more beautiful to attract more tourist.

4. Critical evaluation:

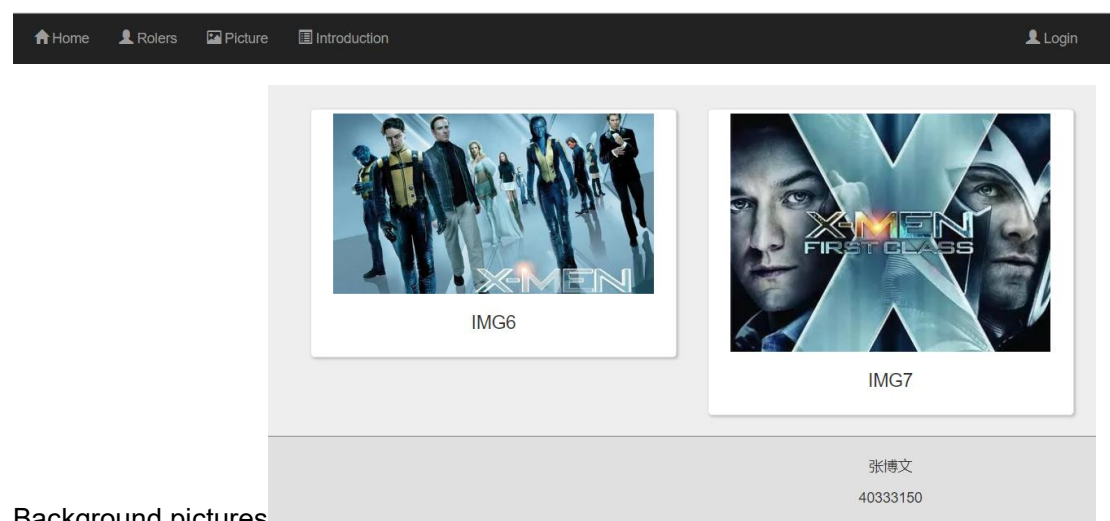
The best part of these web-app is there are many fantastic pictures which maybe attract many people. And also, there are many introduction about the actors and background introduction to make you understand the whole film order. To make sure you can have a better understand. However, the bad part of this web_app is there are some picture they did not set in a good location, therefore you may could not like this setting.

5. Personal evaluation

The mainly challenge is this course work is the bootstrap. It maybe seems easy to use some tools to crate the frame. But, because i am not good at in the program language, and also HTML. Therefor I have to spend too much time on build the web page. And i have to watch many videos about how to build the frame use bootstrap. And also, do much excise in HTML.

6. Appendix

Navigate bar



Background pictures

Login in page

Some introduction about the key roles in these film:

 Home

 Rolers

 Picture

1.Wolverine

2.Storm

3.Fireman

4.Iceman

5.Magneto

6.Mystique

7.Red tank

8.Diamond girl

9.Angel