# Coursework Report

Ruili Yang
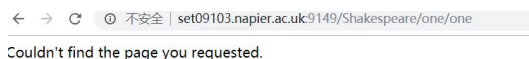
## Introduction

The theme of my web app is book and the tittle is Sea of Book. In this app, there are three main function has been came true. For the function of html, the web-app is modified by css and jqury to make it beautiful and have interaction with users. For example, users can see an advertising rotation in main page. The other example is the web-app can check whether the users input the name and password. For the function of flask, the web has achieve function of flask routing, flask redirects and errors, http methods, templates tags, template Inheritance, bootstrap and other functions.

## Picture from web-app



register page( using jqury to interact with users)



Home page(advertising rotation)



Error page(Flask error)



Login page(using http method)
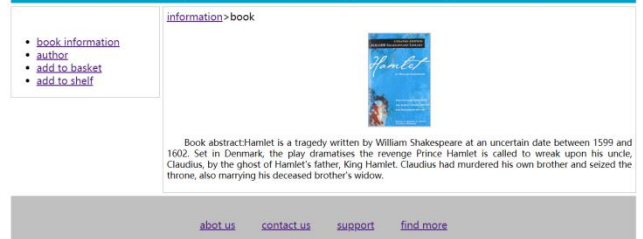


Information page(template Inheritance: author inherit the book information )

## Design

Find The aim of the web app is to help uses buy and read books. On the top of each page, there are some pictures and advertisements to make website look colorful. The web-app use the cool tone as the basic color, Which make users feel good.

The structure of the web-app have seven pages . I show all available page in the map of URL hierarchy. From the home users can access to the login page, book information and register page. In 'book information', users can get more detail like the author and publisher of the book.
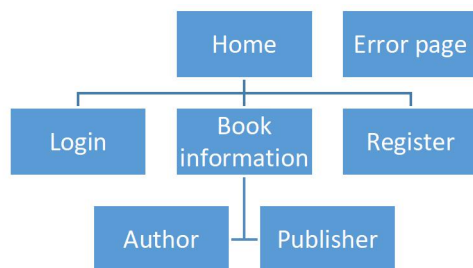


## Enhancements

### 1. Web Design

Many parts in the web-app can be more beautiful, such as the font and drop-down list in home page. The function in error page is thin. It should have more interaction with users.For instance, adding the submit area to help users give their feedback of the error and setting hyperlink that enable users to move in support page where they can find the way to solve the problem.

### 2. Jqury

Although, in this web-app, Jqury have been used, it just relies on the my knowledge of html. An example is in login page, it uses the same jqury code as register page to warn users to input their name and password, but it conflict with the function of http method.

```
@app.route('/login/',methods=['GET','POST'])
def login():
    if request.method == 'POST':
        return redirect(url_for('root'))
    else:
        return render_template('login.html'), 200
```

When click the login, the page will turn to the home page directly without any prompt message. So a new parameter should be put in app-login to find whether users input their information correctly.

In addition, advertising rotation can not work automatically.

### 3. Sql

Sql is an important part for web-app, which I want to add in my web app. Function of it can be used in managing the users information. This app has prepare the part for this function. In navigation line, there is an area for book of the year 2017. I hope that the web-app can manage the uses information who join in thin event and separate them from the normal users in the future.

## Critical Evaluation

I think my web-app achieve almost the requirements on the coursework. I use all of my skills about html to build my website, like css and jqury. These thing that I think I do well.

However my work on python flask is poor. As I said in enhancement, my jqury only was used on html, which cause conflict with http method. Besides the jqury, when I use the hyperlink in my web-app, I also do a bad work on it. In html,I can use '<a herf="set09103.napier.ac.uk:9149"> '</a> to turn to the other page, but I think I should show my hyperlink by app rout. So I use url like <a herf="login">. Although it can work, but, if users click again, it will be wrong.
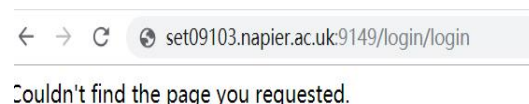


Finally, functions on the web-app is less, but I think I can do better, if I have more time.

# Personal Evaluation

In course work one I learn how to use flask python and vim to built a website, and review the knowledge of html, css and jqury.

The most difficult thing for me is language. A lot of new terms and difficult words make me feel hard. I should pay more time to learn. It is the only way to solve the problem.

I do not think I have an excellent performed, but I truly believe that I learn many things from the work.