# Coursework Report

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## Target

From the beginning, when I knew that coursework can customize the theme, I thought of my favorite game--Don't Starve. Sometimes people want to watch some game videos or search for some game information, but they may can't achieve their purpose on a web-app, so I want to create a page to integrate all of this, which is the direction my web application is trying to accomplish. Because of this reasons, my web-app name is called **WE Don't Starve**.

## Abstract

In the coursework1, I have roughly determined his frame structure. And it can already implement a part of his functions, this includes four pages: Home, Characters, Log in, Development, and some function: Drop-down menu, Search bar, Table, Hyperlink, Image automatic loop display, Capsule tab, Navigation bar…But it still has a lot of features not implemented, is an unfinished page, but fortunately, I finish it in coursework2. In coursework2 I expanded the other pages and brought some other features. These features complete the page and make the page really what I expected in coursework1.

## Introduction

1. This is my main page – Home. I mainly introduce the basic information of the game on this page and use the list to display.
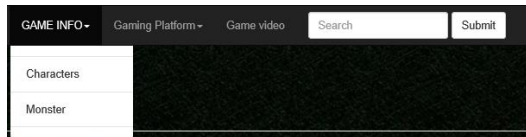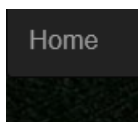


<Home1.1>

<Home1.2>
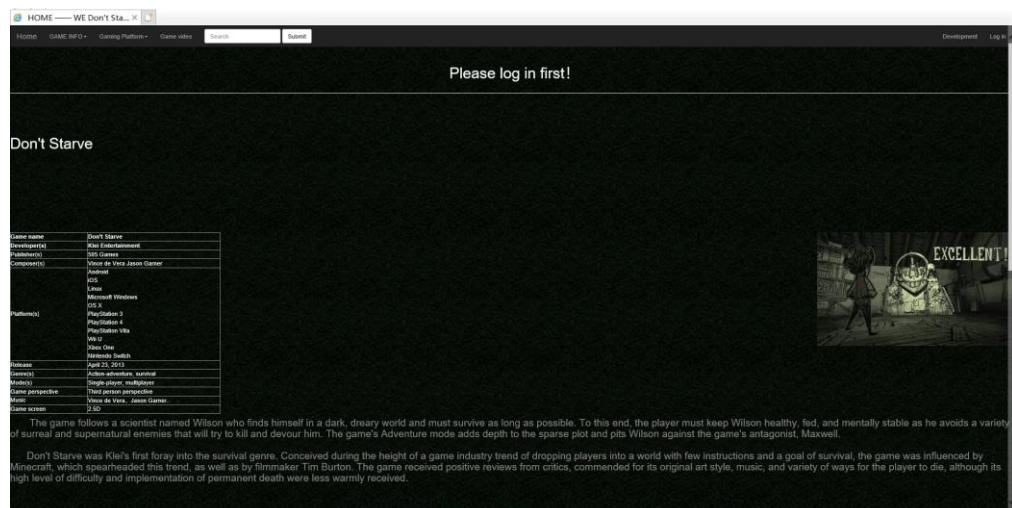
Just like the home button of an Apple phone, if you forgot which page you are on, in <Home2.1> you can see that there is a Home button here that makes it easy for you to get back to the main page.



<Home2.1>



<Home2.2>

In <Home2.2>, you can see the navigation bar in the header, where each drop-down menu can be implemented, all the buttons inside can implement the jump page, but because there are too many pages, I only show an example here.
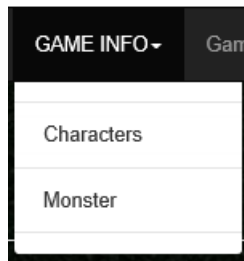
 In this search box, where people can search for what you want to search
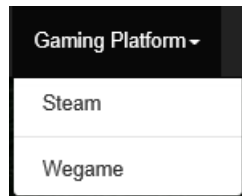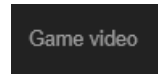
for.  This is

the footer of all my pages.

&lt;Home2.4&gt;


&lt;Home2.5&gt;


&lt;Home2.6&gt;
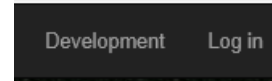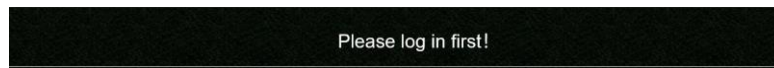

&lt;Home2.7&gt;


&lt;Home2.8&gt;

There are many buttons that on the home page here: Characters, Monster, Steam, Wegame, Game video, Development, Log in, Story video and another Characters botton, all of them can jump to the other pages.  We can see there is a "Please log in first!" prompt module, which is in the template (base_pro.html) along with the navigation bar.
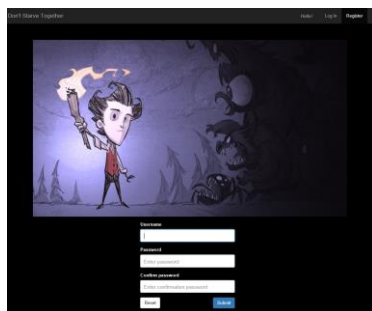
In &lt;log in page1&gt;, you can log in by entering the already registered account and password. If you have not registered yet, you can register by clicking the registration button in the upper right corner, like &lt;log in page2&gt;. Now you can register and log in. If you enter the wrong account and password
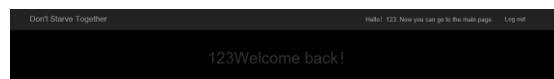
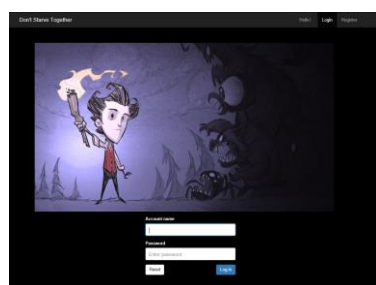 or register an already registered account

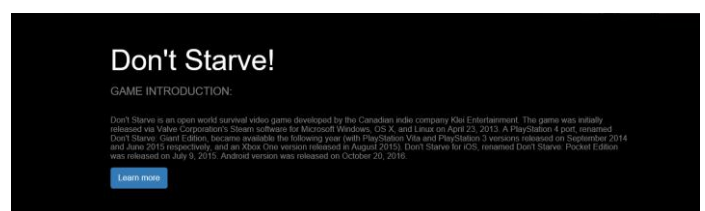, you will be prompted. If you complete these steps, we will welcome you into the famine world. &lt;log in page3&gt;
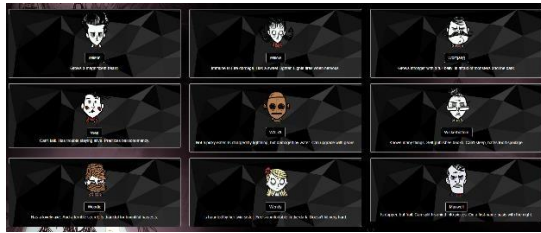

&lt;log in page2&gt;


&lt;log in page3&gt;


&lt;log in page1&gt;


&lt;characters1.1&gt;

<characters1.2>



<development1.1>



<development1.2>



<characters1.3>



<monster>



<video>
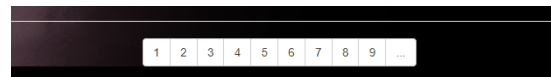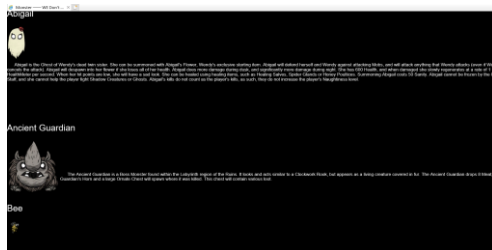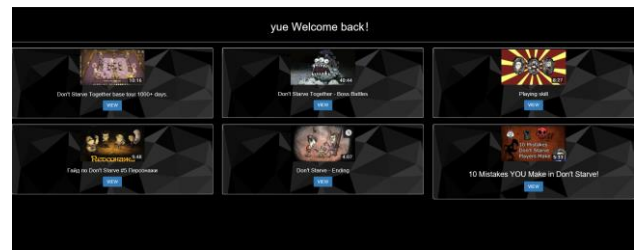
In <characters1.1>, this Giant screen shows more information of Don't Starve besides the character information. In <characters1.2>, this thumbnail feature shows the main content of this page, character brief, people can click on the person's name to see more details. In <characters1.3>, this is the page turning function make a page don't have to put too many things. I put an Image automatic loop display in <development1.1>, it loops every two seconds, but as a demo, I didn't put too many pictures in it. The last thing I want to say is the name of the web page. Just like in <development1.2>, the name of this page will be attached to the front of Don't Starve. I have shown two pages here, but the other pages are not covered here <monster> <video>.

## Desgin
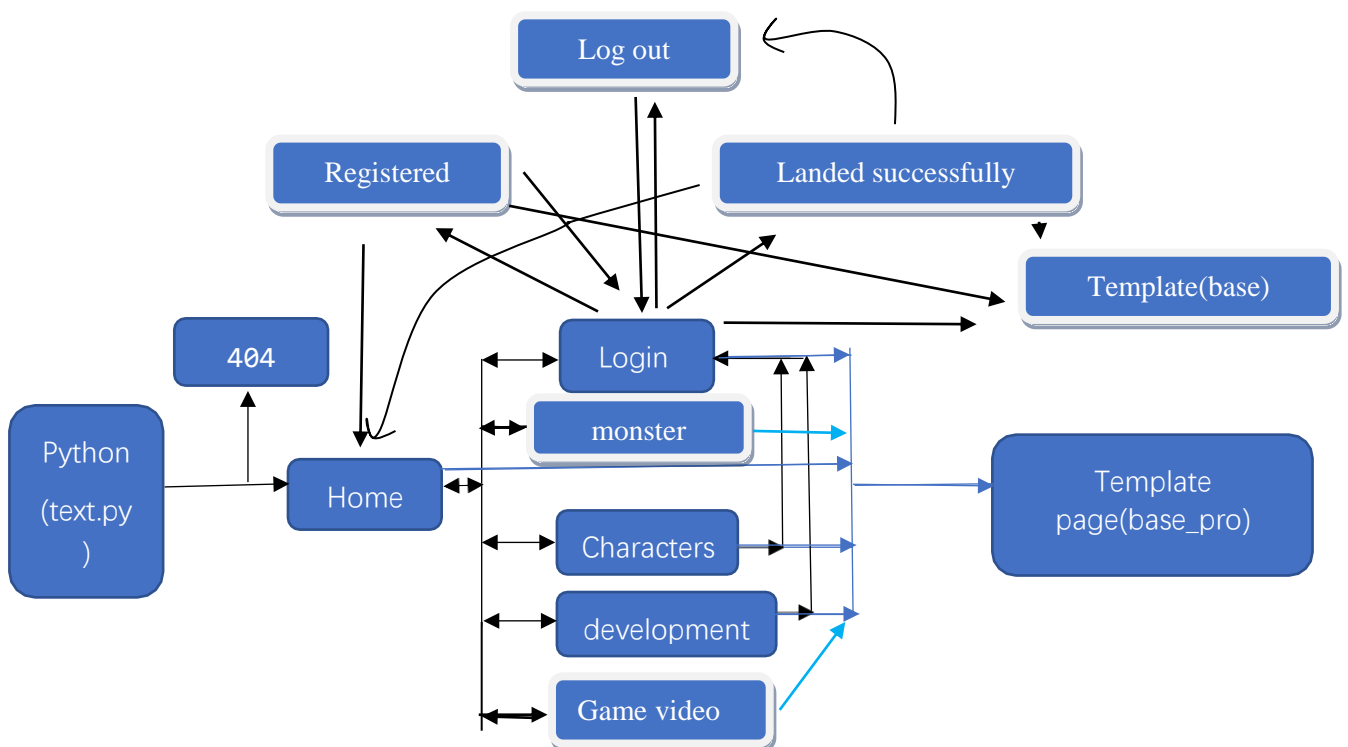


(Black line indicates running relationship, blue line indicates inheritance)

I spent two days trying to add some dynamic elements and sliders within the page, but unfortunately I still can't achieve it, so I will continue to learn in future studies.. In typesetting, I will add two static hover boxes on both sides of the page. I will continue to learn how to design a web page using flask and add other features during the learning process. Unfortunately, I want to add a lot of extensions, some of which can be implemented, likes redirect, request, session, jsonify, abort, make_response, flask_bootstrap, sqlite3, hash_code, flash, and there are still some extension modules I want to join that still can't be used, likes Blueprint, dict.

## Critical Evaluation

I spent a lot of time designing on page layout. Finally, I chose to use thumbnails on the page to display, but what I don't understand is that although I have chosen to be centered and the code is working fine, there are some expected features that still don't work well, and sometimes his page display is not stable. But in coursework2, I found and corrected these errors, and now the page works perfectly. I think there are some logical minor issues between the login page and the home page, not perfect, but it is ok. To sum up, I think the application I completed is good. And the part of the flask that I just learned is running perfectly.

## Personal Evalation

In this lesson, I learned how to use the vim editor, as well as using python, flask and a lot of extensions and databases, etc. The code I want to run should contain all the python code which I have learned and I did it. I tried to gradually replace some of the features in html with python. I succeeded. But since I haven't learned python in China, so I have encountered many difficulties in learning python. When I was studying the workbook, I encountered some difficulties. I asked my classmates and teachers, but most of them were solved by checking the information online. Now, I have completed the study on the workbook. The challenges I faced is language issues and the lots of expansion packs.

## References

In the process of learning to design a web page, I checked a lot of information., I read the tutorial for this code and learned it. But on the Bootstrap, there is some code I have no ability to completely modify, I modified some of them. Below are the css, js files and some code I am using.

Css: bootstrap.min.css

Js: jquery-3.3.1.min.js,   js/bootstrap.min.js

Code:

< Navigation >:

```
<nav class="navbar navbar-inverse">
    <div class="container-fluid">


      <div class="navbar-header">
        <button type="button" class="navbar-toggle collapsed" data-toggle="collapse" data-target="#bs-example-navbar-collapse-1" aria-expanded="false">
```

```
            <span class="sr-only">Toggle navigation</span>
                <span class="icon-bar"></span>
```
……...

……...

……..(Add by myself)

```
<li class="dropdown">
            <a href="#" class="dropdown-toggle" data-toggle="dropdown" role="button" aria-haspopup="true" aria-expanded="false">GAME INFO<span class="caret"></span></a><ul class="dropdown-menu">
```


<Input-group>:

```
<div class="row" style="text-align: center;">
 <div class="col-sm-4 col-sm-offset-4">
            <div class="input-group">
  <span class="input-group-addon" id="basic-addon1"> </span>
  <input type="text" class="form-control" placeholder="#" aria-describedby="basic-addon1" >
</div>
<div class="input-group">
  <span class="input-group-addon" id="sizing-addon2">Password:</span>
  <input type="text" class="form-control" placeholder="Your Password" aria-describedby="sizing-addon2">
  </div>
```


<Pagination>:

```
<div class="row">
<div class="btn-group" role="group" aria-label="…">
  <botton type="button" class="btn btn-default"></button>
</div></div>
```


<Picture>

```
<div class="col-md-4 col-md-4" id="picture" >
  <div class="thumbnail"  style="background-image: url(../static/characters.jpg);">
   <img src="../static/wilson.png"   }><br>
```
……

……(Add by myself)


Picture:

https://ss3.bdstatic.com/70cFv8Sh_Q1YnxGkpoWK1HF6hhy/it/u=561681045,2071914354&fm=26&g p=0.jpg

https://ss3.bdstatic.com/70cFv8Sh_Q1YnxGkpoWK1HF6hhy/it/u=2197274074,4188972777&fm=26& gp=0.jpg

https://ss1.bdstatic.com/70cFvXSh_Q1YnxGkpoWK1HF6hhy/it/u=3159566727,2434343954&fm=26 &gp=0.jpg http://zh.dontstarve.wikia.com/wiki/%E8%A7%92%E8%89%B2

https://ss1.bdstatic.com/70cFuXSh_Q1YnxGkpoWK1HF6hhy/it/u=1318324310,587206581&fm=26& gp=0.jpg

https://ss1.bdstatic.com/70cFuXSh_Q1YnxGkpoWK1HF6hhy/it/u=1925514376,1447297381&fm=26 &gp=0.jpg


Video:

https://www.youtube.com/watch?v=rL4qkDONB2o

https://www.youtube.com/watch?v=N0QhvmisGWU

https://www.kleientertainment.com/games/dont-starve