**Film Website**

**Testing Plan & Report**

**<Version 3.0>**

**<5.18>**

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1. Document Change Log

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| --- | --- | --- | --- |
| ***Change Date*** | ***Changed By*** | ***Version*** | ***Change Description*** |
| *05/8/2023* | *Junhao LYU* | *1.0* | *integration* |
| 05/11/2023 | *Junhao LYU* | 2.0 | *Test all cases* |
| *05/18/2023* | *Junhao LYU* | *3.0* | *Confirm the final draft* |
| *05/20/2023* | *Yichen Yuan* | *4.0* | *Improving recommendations functionality* |
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1. Table of Contents

[1. Document Change Log 2](#_Toc394839007)

[2. Table of Contents 3](#_Toc394839008)

[3. TESTing plan 4](#_Toc394839009)

[4. test report 5](#_Toc394839010)

[4.1. Overview of the testing 5](#_Toc394839011)

[4.2. Error Report 5](#_Toc394839012)

[5. CONTRIBUTION 6](#_Toc394839013)

1. Testing Plan

## Overview of the Testing Plan

**This test report is the test report of the network movie system project. The purpose of this test report is to summarize the test in the test phase, analyze the test results, and describe whether the system meets the requirements. The expected reference staff includes users, stakeholders, and developers of the system, as well as the team project lead for the software development workshop.**

## Testing Methods

### Test the completion of the Django web page, open all the Django web pages in turn, and check whether the jumps, functional figures are normal.

### Test comment, edit, delete, report and other functions in a variety of different ways. The methods are change user comments, multiple jumps, multiple single realization, direct web jump query.

### Test the query function, click or query to find reasonable movies, and judge whether the conditions are met in turn.

### Test the connection between the database and the web page. Check whether the function of changing the database through the web page and the function of reading the database by the web page are normal.

### Test the administrator's functions, and judge whether the management functions are fully realized through functions such as deleting movies and handling reports and comments.

### Test Recommended functionality

1. Testing Report

## Overview of the Testing

**4.1.1 Test Procedure**

* **Functional Test**
* **Hyperlink Test**
* **User permission validation Test**
* **Exception Handling Test**

**4.1.2 Test Overall**

|  |  |  |  |
| --- | --- | --- | --- |
| **Tests** | **Behavior** | **Expected Outcome** | **Results** |
| **1** | **File Version Test** | **Basic base.py file condition is met** | **PASS** |
| **2** | **Re-edit Comment Function Test** | **Find user and success to edit comments** | **PASS** |
| **3** | **Datetime Method Test** | **Occurrence dates are correct** | **PASS** |
| **4** | **Movie Box Office Test** | **Movie data is correct** | **PASS** |
| **5** | **Image Showing Test** | **Show image successfully** | **PASS** |
| **6** | **Recommended functional tests** | **The recommended movies are more accurate** | **PASS** |

## Error Report

### The version file is incorrect. The basic base.py file condition is not met. Use the administrator to change the version requirement.

### The re-edit comment function sometimes reports an error and cannot find the user. Reasons: Django sql statement is not good enough to meet the need to update. Finally changed to sql implementation

### When using dates in Datetime method to interact with a database, occurrence dates are inaccurate. Cause: Database time zone design issue.

### When displaying movie box office, predict that movie data will be negative or too large. Reason: Linear regression and polynomial fitting are only mathematical methods, and they should be used in practice to match the actual ones.

### When displaying a base64 image, the display fails to appear, and the result is garbled, the reason: It needs to be decoded before displaying.

### Because the number of movies a user has watched is different, the accuracy of the recommendation will be reduced. Users who watch fewer movies will have more accurate recommendations, while users who watch more movies will have less accurate recommendations.

1. `Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Student ID | Name (in Pinyin/Chinese) | Contribution (in %) | Responsibilities/Work Done | Remarks |
| 2130026040 | Jiacheng He | 20 | 1. Django web page implementation(index\_show) 2. Store data in the database 3. Crawler movie box office data |  |
| 2130026223 | Bojun Zou | 20 | 1. Django web page staff part（ad\_film,   ad\_cinema,show\_film, show\_cinema)   1. store and edit data in the database |  |
| 2130026164 | Qiwen Xie | 20 | 1.Django web page implementation (film page, cinema\_detail page ,film\_search page and recommendations page )  2. Movie box office data visualization, movie box office data analysis (future box office forecasting).  3. Users watch historical pie chart paintings.  4.Implementation of Django page search functionality, including navigation bar keyword search and film page click keyword search. |  |
| 2130026190 | Yuan Yichen | 20 | 1. Write the whole "SoftwareDesignSpecification" and subsequent modifications 2. The specific design and implementation of film recommendation function 3. Overall design of the database 4. Implementation of the database "have\_watch" table 5. Django web page implementation (cinema page,film detail page(javascript part), recommendations page(Implementation of the recommendation function)) |  |
| 2130026100 | Junhao LYU | 20 | 1. Django web page function implementation(film\_detial, login, register, index) and Navigation bar design and Moive crawler code(picture and other all information) 2. Control the entire design of the flow diagram 3. Integrate all the web pages, and modify some unreasonable place(cinema,ad\_show page,web jumping) and change the recommendation code to connect the database and Django. 4. Realize comment, edit, delete, have seen function, page paging |  |