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| GMS Studio (Group 5) |
| Software Test Report |
| V1.0 |

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# Overview

# This test report is a test report for the Gymnasium Management System project. The purpose of this test report is to summarize the tests during the test phase and analyze the test results, and describe whether the system meets the requirements. Expected reference personnel include users, the stakeholders and the developers of the system and the Supervisor of Software Development Workshop II’s Group Project.

# Test Environment

[介绍软件测试的环境，包括系统版本，浏览器版本，软件相关依赖版本（Python / Django / pymysql / mysqlclient / etc.），用于测试的软件版本，联网状态]

Related software version:

Bootstrap 4.1

 Python 3.6

 Django 2.0

 MySQL/Maria DB

Testing on latest stable version of Google Chrome browser (66.0.3359.117 (64-bit) or later) and Mozilla Firefox browser (59.0.2 (64-bit) or later), no longer support IE 8 / IE 9.

Using HTML5 Standard.

Using UTF-8 encoding Standard.

# Test Procedure

[介绍测试的流程]

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

# Test Detail

## Functional Test

[此处根据我们SDS种提到的各种功能，按照SDS描述的流程进行测试]

Log-in:

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Behavior | Expected Outcome | Results |
| 1 | Input the correct username and password | N/A | N/A |
| 2 | Click the login button | Log in successfully and enter the dashboard | PASS |

## Check-in:

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Behavior | Expected Outcome | Results |
| 1 | Enter the user ID | Show the user’s information and valid the check-in button, if no such user, show an error message | PASS |
| 2 | Click the check-in button | Quota of the user will deduct 1, show a message box with remain quota | PASS |

User avatar:

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Behavior | Expected Outcome | Results |
| 1 | Click the user avatar | See the personal information button and exit login button | PASS |
| 2 | Click the profile button | Visit the personal information | PASS |
| 3 | Click the log out button | Log out the current account and visit dashboard page | PASS |

Recharge:

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Behavior | Expected Outcome | Results |
| 1 | Input user ID, recharge quota and select payment method | Show the user’s information | PASS |
| 2 | Click the verified button | Valid the submit button, show a message to ask user to click submit button | PASS |
| 3 | Click the submit button | Show a payment message with QR code | PASS |
| 4 | Click the finish button | Add quota to the user’s member card, increase profit in the balance page | PASS |

Make appointment:

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Behavior | Expected Outcome | Results |
| 1 |  |  |  |
| 2 |  |  |  |

Record:

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Behavior | Expected Outcome | Results |
| 1 | Once visit the record page | Show all record to developer and staffs; show record to related member and coach | PASS |

Balance report:

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Behavior | Expected Outcome | Results |
| 1 | Once visit the balance page | Show changing logs or status of some items in the form of numbers, and the page creation time will be displayed in the upper right corner | PASS |

Create member:

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Behavior | Expected Outcome | Results |
| 1 | Input username, email, first name, last name, password, the second time to enter the password | N/A | N/A |
| 2 | Click the submit button | Show messages with user’s information( including member ID) and saying that the user has been created | PASS |

## Hyperlink test

[测试每一个超链接是否能连接到正确的地址，以页面为单位进行测试]

|  |  |  |  |
| --- | --- | --- | --- |
| **Login Page** | | | |
| # | Link/Button Name | Expected URL/Expected Function | Results |
| 1 | Login | /login/check/ | PASS |
| **Dashboard Page** | | | |
| # | Link/Button Name | Expected URL/Expected Function | Results |
| 1 | User Avatar | Dropdown panel | PASS |
| 2 | Check-in | /operation/ | PASS |
| 3 | Recharge | /operation/recharge/ | PASS |
| 4 | Record | /appointment/ | PASS |
| 5 | New | /appointment/new/ | PASS |
| 6 | Balance report | /report/ | PASS |
| 7 | Create member | /create/member/ | PASS |
| 8 | Create coach | /create/coach/ | PASS |
| **Check in Page** | | | |
| # | Link/Button Name | Expected URL/Expected Function | Results |
| 1 | Check in | /operation/ | PASS |
| 2 | Recharge | /operation/recharge/ | PASS |
| 3 | Operation | Dropdown panel | PASS |
| 4 | Appointment | Dropdown panel | PASS |
| 5 | Report/setting | Dropdown panel | PASS |
| 6 | Create user | Dropdown panel | PASS |
| 7 | Manage page | / admin/ | PASS |
| **Recharge Page** | | | |
| # | Link/Button Name | Expected URL/Expected Function | Results |
| 1 | Check in | /operation/ | PASS |
| 2 | Recharge | /operation/recharge/ | PASS |
| 3 | Operation | Dropdown panel | PASS |
| 4 | Appointment | Dropdown panel | PASS |
| 5 | Report/setting | Dropdown panel | PASS |
| 6 | Create user | Dropdown panel | PASS |
| 7 | Manage page | / admin/ | PASS |
| **Record Page** | | | |
| # | Link/Button Name | Expected URL/Expected Function | Results |
| 1 | Record | /appointment/ | PASS |
| 2 | New | /appointment/new | PASS |
| 3 | Operation | Dropdown panel | PASS |
| 4 | Appointment | Dropdown panel | PASS |
| 5 | Report/setting | Dropdown panel | PASS |
| 6 | Create user | Dropdown panel | PASS |
| 7 | Manage page | / admin/ | PASS |
| **New Appointment Page** | | | |
| # | Link/Button Name | Expected URL/Expected Function | Results |
| 1 | Record | /appointment/ | PASS |
| 2 | New | /appointment/new | PASS |
| 3 | Operation | Dropdown panel | PASS |
| 4 | Appointment | Dropdown panel | PASS |
| 5 | Report/setting | Dropdown panel | PASS |
| 6 | Create user | Dropdown panel | PASS |
| 7 | Manage page | / admin/ | PASS |
| **Balance Report Page** | | | |
| # | Link/Button Name | Expected URL/Expected Function | Results |
| 1 | Operation | Dropdown panel | PASS |
| 2 | Appointment | Dropdown panel | PASS |
| 3 | Report/setting | Dropdown panel | PASS |
| 4 | Create user | Dropdown panel | PASS |
| 5 | Manage page | / admin/ | PASS |
| **Create Member Page** | | | |
| # | Link/Button Name | Expected URL/Expected Function | Results |
| 1 | Member | /create/member | PASS |
| 2 | Coach | /create/coach | PASS |
| 3 | New | /appointment/new | PASS |
| 4 | Operation | Dropdown panel | PASS |
| 5 | Appointment | Dropdown panel | PASS |
| 6 | Report/setting | Dropdown panel | PASS |
| 7 | Create user | Dropdown panel | PASS |
| 8 | Manage page | / admin/ | PASS |
| **Create Coach Page** | | | |
| # | Link/Button Name | Expected URL/Expected Function | Results |
| 1 | Member | /create/member | PASS |
| 2 | Coach | /create/coach | PASS |
| 3 | New | /appointment/new | PASS |
| 4 | Operation | Dropdown panel | PASS |
| 5 | Appointment | Dropdown panel | PASS |
| 6 | Report/setting | Dropdown panel | PASS |
| 7 | Create user | Dropdown panel | PASS |
| 8 | Manage page | / admin/ | PASS |

## User Permission Validation test

[登陆不同权限的用户，测试每一个功能是否有访问权限，页面内容是否正确显示]

|  |  |  |  |
| --- | --- | --- | --- |
| **Developer** | | | |
| **#** | **Function** | **Permission** | **Results** |
| 1 | Login | Allow | PASS |
| 2 | Operation/Check-in | Allow | PASS |
| 3 | Operation/recharge | Allow | PASS |
| 4 | Appointment/new | Allow | PASS |
| 5 | Appointment/record | Allow | PASS |
| 6 | Balance report | Allow | PASS |
| 7 | Create/create member | Allow | PASS |
| 8 | Create/Create Coach | Allow | PASS |
| 9 | Manage page | Allow | PASS |
| **Staff** | | | |
| **#** | **Function** | **Permission** | **Results** |
| 1 | Login | Allow | PASS |
| 2 | Operation/Check-in | Allow | PASS |
| 3 | Operation/recharge | Allow | PASS |
| 4 | Appointment/new | Allow | PASS |
| 5 | Appointment/record | Allow | PASS |
| 6 | Balance report | Allow | PASS |
| 7 | Create/create member | Allow | PASS |
| 8 | Create/Create Coach | Allow | PASS |
| 9 | Manage page | Not Allowed | PASS |
| **Member** | | | |
| **#** | **Function** | **Permission** | **Results** |
| 1 | Login | Allow | PASS |
| 2 | Operation/Check-in | Not Allowed | PASS |
| 3 | Operation/recharge | Allow | PASS |
| 4 | Appointment/new | Allow | PASS |
| 5 | Appointment/record | Allow | PASS |
| 6 | Balance report | Not Allowed | PASS |
| 7 | Create/create member | Not Allowed | PASS |
| 8 | Create/Create Coach | Not Allowed | PASS |
| 9 | Manage page | Not Allowed | PASS |
| **Coach** | | | |
| **#** | **Function** | **Permission** | **Results** |
| 1 | Login | Allow | PASS |
| 2 | Operation/Check-in | Not Allowed | PASS |
| 3 | Operation/recharge | Not Allowed | PASS |
| 4 | Appointment/new | Not Allowed | PASS |
| 5 | Appointment/record | Allow | PASS |
| 6 | Balance report | Not Allowed | PASS |
| 7 | Create/create member | Not Allowed | PASS |
| 8 | Create/Create Coach | Not Allowed | PASS |
| 9 | Manage page | Not Allowed | PASS |

## Exception Handling Test

[人为创造异常，并进行测试，检测系统是否能处理异常]