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| **Logo_FPT_University_doc** | **MINISTRY OF EDUCATION AND TRAINING** |

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| **FPT UNIVERSITY** |
| Capstone Project Document |
| Drop It |
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| |  |  | | --- | --- | | **Group 08** | | | **Group Members** | Lê Khôi Phong  Đào Như Tùng  Công Minh Hiếu  Nguyễn Thanh Tùng  Đặng Quốc Duy | | **Supervisor** | Lâm Hữu Khánh Phương | |
|  |

- Ho Chi Minh City, 07/2013 -

**Record of Changes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Changed Item** | **Description** | **By** | **Version** |
| July 22nd, 2013 | All | Create the document | TungNT | 0.1 |
| July 26th, 2013 | All | Review, correct mistakes | TungDN | 0.2 |

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# **Introduction**

## **System Overview**

* This document describes plan and methodologies used in testing stage, an important step for grading the quality of product before packaging it. Testing group would plan, manage and execute the process of testing. Testers must execute and pass all test cases and technical details of system features.
* The testing group is also the coding group of Drop It. The system is developed based on MVC architect. Drop It is an e commerce website for trading ticket between buyer and seller.

## **Test Approach**

* Test approach defines goal and scope of system testing, overall strategy to be adopted, activities to be completed, general resources required, methods and processes to be used for testing. It also describes activities, dependencies and effort required to conduct system testing.
* The goal of testing is finding out remaining bugs, telling developing team about those bugs, and they will fix it before releasing. All members would participate in testing the system.
* The process of testing stage includes Unit Testing, Component Testing, Integration Testing and System Testing levels. Unit Testing uses white box method, while the other levels uses black box. However, this document only includes features which are in System Testing. There is at least one time to do Systems Testing by outside people who are not member of the developing team. The testing team and outside people do all testing work before the project manager executes the final test.

# **Test Plan**

## **Feature to be tested**

### **<Admin> Active user**

Test if admin can active user

### **<Admin> Deactive user**

Test if admin can deactive user

### **<Admin> Allow user selling**

Test if admin can allow user selling ticket

### **<Admin> Disallow user selling**

Test if admin can disallow user selling ticket

### **<Admin> Approve ticket**

Test admin can approve ticket

### **<Admin> Disapprove ticket**

Test admin can disapprove ticket

### **<Admin> View ticket details**

Test if admin can view ticket details

### **<Admin> Edit ticket details**

Test admin can edit details

### **<Admin> Delete ticket**

Test admin can edit details

### **<Admin> Create event**

Test admin can create event

### **<Admin> Approve event**

Test admin can approve event

### **<Admin> Disapprove event**

Test admin can disapprove event

### **<Admin> Delete event**

Test admin can delete event

### **<Admin> Create venue**

Test if admin can create venue

### **<Admin> Approve venue**

Test if admin can approve venue

### **<Admin> Disapprove venue**

Test if admin can disapprove venue

### **<Admin> Delete venue**

Test if admin can delete venue

### **<Admin> Update transaction status**

Test if admin can update status

### **<Admin> Create setting**

Test if admin can create setting

### **<Admin> Update setting**

Test if admin can create setting

### **<Admin> Delete setting**

Test if admin can delete setting

### **<Guest> Register**

Test if guest can register new account

### **<Guest> Login**

Test if guest can login

### **<User> Buy ticket**

Test if user can buy ticket

### **<User> Sell ticket**

Test if user can sell ticket

### **<User> Ticket request**

Test if user can request ticket

### **<User> Ticket response**

Test if user can respond ticket

### **<User> View buy history**

Test if user can view buy history

### **<User> View sell history**

Test if user can view sell history

### **<User> Follow/Unfollow event**

Test if user can follow or unfollow event

### **<User> View follow event list**

Test if user can view list of follow event

### **<User> Change password**

Test if user can change password

### **<User> Change personal information**

Test if user can edit personal information

### **<User> View ticket request list**

Test if user can view list of request ticket

### **<User> Manage ticket request**

Test if user can manage request ticket

### **<Guest/ User > Search by event name**

Test if user or guest can search event by event name

### **<Guest/ User > View event details**

Test if user or guest can view event details

### **<User > Logout**

Test if user can log out

## **Feature not to be tested**

**Server:**

- Hardware: Intel Core i5 2.30 GHz, 4 G RAM, 500G HDD

- OS: Win 7 Profession

- DBMS: Microsoft SQL Server compact 2012

- Web server: Internet information service 7

**Client:**

- Hardware: Intel Core i5 2.30 GHz, 4 G RAM, 500G HDD

- OS: Win 7 Profession

- Brower: Google Chrome version 28

## **Testing Tools and Environment**

# **Test Case**

## **Admin Test Case**

### **3.1.1 <Admin > Active user**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [AU-1] | Active user successful | 1. Click on “Người dùng” tab in Administration page  2. Choose a deactive user and tick on “Kích hoạt” check box | 1. Display user page normally  2. Display message active user success | Pass |  |  |  |

### **3.1.2 <Admin > Deactive user**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [DAU-1] | Deactive user successful | 1. Click on “Người dùng” tab in Administration page  2. Choose an active user and uncheck “Kích hoạt” check box | 1. Display user page normally  2. Display message deactive user success | Pass |  |  |  |

### **3.1.3 <Admin > Allow user selling**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [AUS-1] | Allow user selling successful | 1. Click on “Người dùng” tab in Administration page  2. Choose a disallow selling user and check “được bán” check box | 1. Display user page normally  2. Display message allow user selling success | Pass |  |  |  |

### **3.1.4 <Admin > Disallow user selling**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [DUS-1] | Disallow user selling successful | 1. Click on “Người dùng” tab in Administration page  2. Choose an allow selling user and uncheck “được bán” check box | 1. Display user page normally  2. Display message disallow user selling success | Pass |  |  |  |

### **3.1.5 <Admin> Approve ticket**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [AT-1] | Approve ticket successful | 1. Click on “Người dùng” tab in Administration page  2. Click on “Tạm hoãn” tab  3. Choose a ticket and click “Duyệt” button | 1. Display user page normally  2. Display disapproved ticket normally  3. Display message approve ticket success | Pass |  |  |  |

### **3.1.6 <Admin> Disapprove ticket**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [DT-1] | Disapprove ticket successful | 1. Click on “Người dùng” tab in Administration page  2. Click on “Sẵn sàng” tab  3. Choose a ticket and click “Bỏ duyệt” button | 1. Display user page normally  2. Display approved tickets normally  3. Display message disapprove ticket success | Pass |  |  |  |

### **3.1.7 <Admin> View ticket details**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [VTD-1] | Test view ticket details page | 1. Click on “Vé” tab in Administration page  2.Click “Chi tiết” button | 1. Display ticket page normally  2. Navigate to admin edit ticket page, content include:  - Title and input:  + “Mã số Vé”  + “Giá bán”  + “Ghế ngồi”  + “Sự kiện”  + “Ngày diễn ra”  + “Địa điểm”  + “Chú thích”  - Button:  + “Cập nhật”  + “Hủy” | Pass |  |  |  |

### **3.1.8 <Admin> Edit ticket details**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [ETD-1] | Edit ticket details successful | 1. Choose another event in “Sự kiện” field  2. Click “Cập nhật” button | 1. List of events displayed normally  2. Navigate to ticket page | Pass |  |  |  |
| [ETD-2] | Edit ticket details successful | 1. Fill information in “Chú thích” field  2. Click “Cập nhật” button | 1. Filled in information displayed normally  2. Navigate to ticket page | Pass |  |  |  |

### **3.1.9 <Admin> Delete ticket**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [DT-1] | Delete ticket successful | 1. Click on “Vé” tab in Administration page  2. Click on “Tạm hoãn” tab  3. Choose a ticket and click “Xóa” button | 1. Display ticket page normally  2. Display disapproved tickets normally  3. Display message delete ticket success | Pass |  |  |  |

### **3.1.10 <Admin> Create event**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [CE-1] | Test display create event page | 1. Click on “Sự kiện” tab in Administration page  2. Click on “Tạo sự kiện” button | 1. Display event page successful  2. Navigate to create event page, content include:  - Title and input:  + “Tên sự kiện”  + “Danh mục”  + “Ngày diễn ra”  + “Nghệ sĩ tham gia”  + “Địa điểm”  + “Hình đại diện cho sự kiện”  + “Chú thích”  - Button  + “Tạo mới”  + “Hủy” | Pass |  |  |  |
| [CE -2] | Test create event successful | 1. Input "sự kiện mới” in “Tên sự kiện” field  2. Select “Giải Trí” in “Danh mục” field  3. Input “07/23/2013 08:00 PM” in “Ngày diễn ra” field  4. Input “Nhiều nghệ sỹ” in “Nghệ sĩ tham gia” field  5. Select “Phòng Trà We” in “Địa điểm” field  6. Upload an image in “Hình đại diện cho sự kiện” field  7. Input “Test tạo sự kiện” in “Chú thích” field  8. Click on “Tạo mới” button | 8. Navigate to event page | Pass |  |  |  |
| [CE -3] | Test create event validation | 1. Leave “Tên sự kiện” field blank  2. Click on “Tạo mới” button | 2. Display message “Cần phải điền tên sự kiện” at “Tên sự kiện” field | Pass |  |  |  |
| [CE -4] | Test create event validation | 1. Input "sự kiện mới” in “Tên sự kiện” field  2. Select “Giải Trí” in “Danh mục” field  3. Input “07/23/2000 08:00 PM” in “Ngày diễn ra” field | 2. Display message “Cần phải điền ngày diễn ra sau ngày sự kiện được tạo” at “Ngày diễn ra” field | Pass |  |  |  |

### **3.1.11 <Admin> Approve event**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [AE-1] | Approve event successful | 1. Click on “Sự kiện” tab in Administration page  2. Click on “Chưa duyệt” tab  3. Choose a ticket and click “Duyệt” button | 1. Display event page normally  2. Display disapproved event normally  3. Display message approve event success | Pass |  |  |  |

### **3.1.12 <Admin> Disapprove event**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [DE-1] | Disapprove event successful | 1. Click on “Sự kiện” tab in Administration page  2. Click on “Đã duyệt” tab  3. Choose a ticket and click “Bỏ duyệt” button | 1. Display event page normally  2. Display approved event normally  3. Display message disapprove event success | Pass |  |  |  |

### **3.1.13 <Admin> Delete event**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [DE-1] | Approve event successful | 1. Click on “Sự kiện” tab in Administration page  2. Click on “Chưa duyệt” tab  3. Choose a ticket and click “Xóa” button | 1. Display event page normally  2. Display disapproved event normally  3. Display message delete event success | Pass |  |  |  |

### **3.1.15 <Admin> Approve venue**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [AE-1] | Approve venue successful | 1. Click on “Địa điểm” tab in Administration page  2. Click on “Chưa duyệt” tab  3. Choose a venue and click “Duyệt” button | 1. Display venue page normally  2. Display disapproved venue normally  3. Display message approve venue success | Pass |  |  |  |

### **3.1.16 <Admin> Disapprove venue**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [AE-1] | Disapprove venue successful | 1. Click on “Địa điểm” tab in Administration page  2. Click on “Đã duyệt” tab  3. Choose a venue and click “Bỏ duyệt” button | 1. Display venue page normally  2. Display approved venue normally  3. Display message disapprove venue success | Pass |  |  |  |

### **3.1.17 <Admin> Delete venue**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [AE-1] | Approve venue successful | 1. Click on “Địa điểm” tab in Administration page  2. Click on “Chưa duyệt” tab  3. Choose a venue and click “Xóa” button | 1. Display venue page normally  2. Display disapproved venue normally  3. Display message delete venue success | Pass |  |  |  |

### **3.1.18 <Admin> Update transaction status**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [UTS-1] | Change status to delivering success | 1. Click on “Giao dịch” tab in Administration page  2. Click on “Đã thanh toán” tab  3. Click on “Giao hàng” button | 1. Display transaction page normally  2. Display paid transaction normally  3. Display message change transaction status success | Pass |  |  |  |
| [UTS-2] | Change status to delivering success | 1. Click on “Giao dịch” tab in Administration page  2. Click on “Giao hàng” tab  3. Click on “Nhận hàng” button | 1. Display transaction page normally  2. Display delivering transaction normally  3. Display message change transaction status success | Pass |  |  |  |
| [UTS-3] | View received transaction list | 1. Click on “Giao dịch” tab in Administration page  2. Click on “Đã nhận hàng” tab | 1. Display transaction page normally  2. Display received transaction successful | Pass |  |  |  |

### **3.1.19 <Admin> Create setting**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [CS-1] | Create setting successful | 1. Click on “Tùy chỉnh” tab in Administration page  2. Input “Tên test” in “Tên thiết lập” field  3. Input “test value” in “Giá trị” field  4. Click on “Thêm” button | 1. Display setting page successful  2. Input normally  3. Input normally  4. Display new added setting in setting page | Pass |  |  |  |
| [CS-2] | Test create setting validate | 1. Click on “Tùy chỉnh” tab in Administration page  2. Leave “Tên thiết lập” field blank | 1. Display setting page successful  2. Display message “Cần phải điền tên thiết lập” at “Tên thiết lập” field | Pass |  |  |  |
| [CS-3] | Test create setting validate | 1. Click on “Tùy chỉnh” tab in Administration page  2. Leave “Giá trị” field blank | 1. Display setting page successful  2. Display message “Cần phải điền giá trị” at “Giá trị” field | Pass |  |  |  |

### **3.1.20 <Admin> Update setting**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [US-1] | Update setting successful | 1. Click on “Tùy chỉnh” tab in Administration page  2. Choose a setting and click “Sửa” button  3. Input “Tên test” in “Tên thiết lập” field  4. Input “test value” in “Giá trị” field  5. Click on “Thêm” button | 1. Display setting page successful  2. Display update setting form  3. Input normally  4. Input normally  5. Display new added setting in setting page | Pass |  |  |  |
| [US-2] | Test create setting validate | 1. Click on “Tùy chỉnh” tab in Administration page  2. Choose a setting and click “Sửa” button  3. Leave “Tên thiết lập” field blank | 1. Display setting page successful  2. Display update setting form  3. Display message “Cần phải điền tên thiết lập” at “Tên thiết lập” field | Pass |  |  |  |
| [US-3] | Test create setting validate | 1. Click on “Tùy chỉnh” tab in Administration page  2. Choose a setting and click “Sửa” button  3. Leave “Giá trị” field blank | 1. Display setting page successful  2. Display update setting form  3. Display message “Cần phải điền giá trị” at “Giá trị” field | Pass |  |  |  |

### **3.1.21 <Admin> Delete setting**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [CS-1] | Delete setting successful | 1. Click on “Tùy chỉnh” tab in Administration page  2. Choose a setting and click “Xóa” button  3. Click “Yes” button | 1. Display setting page successful  2. Display confirm message  3. Delete setting successful | Pass |  |  |  |

## **User/Guest Test Case**

### **<Guest> Register**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [GR-1] | Register successfully incase: Fill in all necessary fields | 1. Click on “Đăng kí thành viên” button  2. Fill in all necessary fields  3. Click on “Đăng ký” button | 1. Navigate to register page  2. Input information displayed normally  3. Saved new user to database | Pass |  |  |  |
| [GR-2] | Register unsuccessfully incase: required fields is blank | 1. Click on “Đăng kí thành viên” button  2. Enter valid data to all field except required field  3. Click on “Đăng ký” button | 1. Navigate to register page  2. Input information displayed normally  3. Show error message on all required fields | Pass |  |  |  |
| [GR-3] | Register unsuccessfully incase: all fields is blank | 1. Click on “Đăng kí thành viên” button  2. Click on “Đăng ký” button | 1. Navigate to register page  2. Show error message on all required fields | Pass |  |  |  |
| [GR -4] | Register unsuccessfully incase: input username existed in database | 1. Click on “Đăng kí thành viên” button  2. Input username existed in database  3. Click on “Đăng ký” button | 1. Navigate to register page  2. Input information displayed normally  3. Display message “Tên tài khoản đã tồn tại” | Pass |  |  |  |
| [GR -5] | Register unsuccessfully incase: input invalid data | 1. Click on “Đăng kí thành viên” button  2. Input invalid data : username length, password length, phone number length, special characters at user name, email  3. Click on “Đăng ký” button | 1. Navigate to register page  2. Input information displayed normally  3. Show error message in username, email, phone number, password | Pass |  |  |  |

### **<Guest> Login**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [GL-1] | Login successfully incase: Fill in all necessary fields | 1. Click on “Đăng nhập” button  2. Enter valid data to all fields in login page  3.Click on “Đăng nhập” button | 1. Navigate to login page.  2. Input information displayed normally  3. Navigate to homepage with user name at the top right | Pass |  |  |  |
| [GL -2] | Login unsuccessfully incase: required fields is blank | 1. Click on “Đăng nhập” button  2. Click on “Đăng nhập” button | 1. Navigate to login page.  2. Display message in username and password field | Pass |  |  |  |
| [GL -3] | Login unsuccessfully incase: input wrong user | 1. Click on “Đăng nhập” button  2. Input username and password not existed in database  3. Click on “Đăng nhập” button | 1. Navigate to login page.  2. Input information displayed normally  3. Display message “Tên đăng nhập hoặc mật khẩu không đúng” | Pass |  |  |  |
| [GL -4] | Login unsuccessfully incase: input wrong password | 1. Click on “Đăng nhập” button  2. Input username with wrong password  3. Click on “Đăng nhập” button | 1. Navigate to login page.  2. Input information displayed normally  3. Display message “Tên đăng nhập hoặc mật khẩu không đúng” | Pass |  |  |  |
| [GL -5] | Login unsuccessfully incase: user field is blank | 1. Click on “Đăng nhập” button  2. Input password to “Mật Khẩu” field  3. Click on “Đăng nhập” button | 1. Navigate to login page.  2. Input information displayed normally  3. Display message “Bạn phải nhập Tên Tài Khoản” | Pass |  |  |  |
| [GL -6] | Login unsuccessfully incase: password field is blank | 1. Click on “Đăng nhập” button  2. Input username to “Tên Tài Khoản” field  3. Click on “Đăng nhập” button | 1. Navigate to login page.  2. Input information displayed normally  3. Display message “Bạn phải nhập Mật Khẩu” | Pass |  |  |  |

### **<User> Buy ticket**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [BT-1] | Buy ticket successful | 1. Click on an event  2. Click “Đặt vé” button  3. Click “Xác nhận” button  4. Finish transaction in PayPal Page | 1. Navigate to event details page  2. Navigate to buy ticket page  3. Navigate to PayPal page  4. Navigate to success transaction page | Pass |  |  |  |

### **<User> Sell ticket**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [ST-1] | Sell ticket successful | 1. Click on “Đăng bán vé” button  2. Fill in all necessary information  3. Click on “Đăng vé” button | 1. Navigate to create ticket page  2. Input information displayed normally  3. Navigate to homepage | Pass |  |  |  |
| [ST-2] | Test create ticket validation | 1. Click on “Đăng bán vé” button  2. Fill in information except required field  3. Click on “Đăng vé” button | 1. Navigate to create ticket page  2. Input information displayed normally  3. Display error message at top of create ticket page | Pass |  |  |  |
| [ST-3] | Test create ticket validation | 1. Click on “Đăng bán vé” button  2. Click on “Đăng vé” button | 1. Navigate to create ticket page  2. Display error message at top of create ticket page | Pass |  |  |  |

### **<User> Ticket request**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [TR-1] | Request ticket successful | 1. Click on “Đăng mua vé” button  2. Fill in all necessary information  3. Click on “Đăng yêu cầu” button | 1. Navigate to request ticket page  2. Input information displayed normally  3. Navigate to homepage | Pass |  |  |  |
| [TR-2] | Test request ticket validation | 1. Click on “Đăng mua vé” button  2. Click on “Đăng yêu cầu” button | 1. Navigate to request ticket page  2. Display error message at top of create ticket page | Pass |  |  |  |
| [TR-3] | Test request ticket validation | 1. Click on “Đăng mua vé” button  2. Fill in information except required field  3. Click on “Đăng yêu cầu” button | 1. Navigate to request ticket page  2. Input information displayed normally  3. Display error message at top of create ticket page | Pass |  |  |  |

### **<User> View buy history**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [VBH-1] | Test view buy history page | 1. Click on “Mua Vé” tab  2. Click on “[Giao dịch đang thực hiện](http://localhost:2065/Transaction/HistoryBuy)” link | 1. Navigate to buy ticket page  2. Display bought ticket successful | Pass |  |  |  |
| [VBH -2] | Test view buy history page | 1. Click on “Mua Vé” tab  2. Click on “[Giao dịch đang thực hiện](http://localhost:2065/Transaction/HistoryBuy)” link  3. Click on “Đã giao” tab | 1. Navigate to buy ticket page  2. Display bought ticket successful  3. Display delivering ticket successful | Pass |  |  |  |
| [VBH -3] | Test view buy history page | 1. Click on “Mua Vé” tab  2. Click on “[Giao dịch đang thực hiện](http://localhost:2065/Transaction/HistoryBuy)” link  3. Click on “Đã nhận” tab | 1. Navigate to buy ticket page  2. Display bought ticket successful  3. Display received ticket successful | Pass |  |  |  |

### **<User> View sell history**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [VBH-1] | Test view sell history page | 1. Click on “Bán Vé” tab  2. Click on “[Giao dịch đang thực hiện](http://localhost:2065/Transaction/HistoryBuy)” link | 1. Navigate to sell ticket page  2. Display sold ticket successful | Pass |  |  |  |
| [VBH -2] | Test view buy history page | 1. Click on “Bán Vé” tab  2. Click on “[Giao dịch đang thực hiên](http://localhost:2065/Transaction/HistoryBuy)” link  3. Click on “Đã bán” tab | 1. Navigate to buy ticket page  2. Display bought ticket successful  3. Display bought ticket successful | Pass |  |  |  |
| [VBH -3] | Test view buy history page | 1. Click on “Mua Vé” tab  2. Click on “[Giao dịch đang thực hiên](http://localhost:2065/Transaction/HistoryBuy)” link  3. Click on “Đã giao” tab | 1. Navigate to buy ticket page  2. Display bought ticket successful  3. Display delivered ticket successful | Pass |  |  |  |

### **<User> Follow/Unfollow event**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [FE-1] | Follow event successful | 1. Click on an unfollow event in homepage  2. Click on “Theo dõi” button | 1. Navigate to event details page  2. “Theo dõi” button change to “Bỏ theo dõi” button | Pass |  |  |  |
| [FE-2] | Unfollow event successful | 1. Click on a follow event in homepage  2. Click on “Bỏ theo dõi” button | 1. Navigate to event details page  2. “Bỏ theo dõi” button change to “Theo dõi” button | Pass |  |  |  |

### **<User> View follow event list**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [VFE-1] | View follow event list successful | 1. Click on “Mua Vé” or “Bán vé” tab  2. Click on “[Danh](http://localhost:2065/User/Edit) sách theo dõi” link | 1. Display page successful  2. Navigate to follow event page, content include:  - Title and input:  + “Sự kiện”  + “Thời gian”  + “Địa điểm”  + “Thao tác”  - Button:  + “Bỏ theo dõi” | Pass |  |  |  |

### **<User> Change password**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [CP-1] | Change password successful | 1. Click on user name at top right corner in homepage  2. Input all necessary fields  3. Click on “Xác nhận” button | 1. Navigate to change password page  2. Input information displayed normally  3. Navigate to change password page with success message at top of page | Pass |  |  |  |
| [CP-2] | Test change password  validation | 1. Click on user name at top right corner in homepage  2. Click on “Xác nhận” button | 1. Navigate to change password page  2. Display error message at top of page | Pass |  |  |  |
| [CP-3] | Test change password  validation | 1. Click on user name at top right corner in homepage  2. Missing information in necessary fields and click on “Xác nhận” button | 1. Navigate to change password page  2. Display error message at top of page | Pass |  |  |  |
| [CP-4] | Test change password  validation | 1. Click on user name at top right corner in homepage  2. Input all necessary fields with wrong old password or new password not same with confirm password  3. Click on “Xác nhận” button | 1. Navigate to change password page  2. Input information displayed normally  3. Display message “Mật khẩu hiện tại không đúng hoặc mật khẩu mới không chính xác” at top of page | Pass |  |  |  |

### **<User> Change personal information**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [CPI-1] | Test display change personal information page | 1. Click on “Mua Vé” or “Bán vé” tab  2. Click on “[Thông tin tài khoản](http://localhost:2065/User/Edit)” link | 1. Display page successful  2. Navigate to edit personal information page, content include:  - Title and input:  + “Thông tin tài khoản”  + “Tên đầy đủ”  + “Email”  + “Số điện thoại”  + “Địa chỉ”  + “Tên ngân hàng”  + “Tài khoản ngân hàng”  + “Số CMND”  + “Tỉnh/Thành Phố”  - Button:  + “Xác nhận”  + “Hủy”  - Link:  + “Thay đổi mật khẩu” | Pass |  |  |  |
| [CPI -2] | Change personal information successful | 1. Click on “Mua Vé” or “Bán vé” tab  2. Click on “[Thông tin tài khoản](http://localhost:2065/User/Edit)” link  3. Fill in field want to update information  4. Click “Xác nhận” button | 1. Display page successful  2. Navigate to edit personal information page  3. Input information displayed normally  4. Navigate to homepage | Pass |  |  |  |
| [CPI -3] | Test change personal information  validation | 1. Click on “Mua Vé” or “Bán vé” tab  2. Click on “[Thông tin tài khoản](http://localhost:2065/User/Edit)” link  3. Missing required field (“Email”, “Số điện thoại”, “Địa chỉ”) and click “Xác nhận” button | 1. Display page successful  2. Navigate to edit personal information page  3. Display error message at missing field | Pass |  |  |  |
| [CPI -4] | Test change personal information  validation | 1. Click on “Mua Vé” or “Bán vé” tab  2. Click on “[Thông tin tài khoản](http://localhost:2065/User/Edit)” link  3. Click “Xác nhận” button | 1. Display page successful  2. Navigate to edit personal information page  3. Navigate to homepage | Pass |  |  |  |
| [CPI -5] | Test change personal information  validation | 1. Click on “Mua Vé” or “Bán vé” tab  2. Click on “[Thông tin tài khoản](http://localhost:2065/User/Edit)” link  3. Input invalid data (invalid email, invalid phone number, input data contain special characters)  4. Click “Xác nhận” button | 1. Display page successful  2. Navigate to edit personal information page  3. Input information displayed normally  4. Display error message at not valid field | Pass |  |  |  |
| [CPI -6] | Navigate to change password page | 1. Click on “Mua Vé” or “Bán vé” tab  2. Click on “[Thông tin tài khoản](http://localhost:2065/User/Edit)” link  3. Click on “Thay đổi mật khẩu” link | 1. Display page successful  2. Navigate to edit personal information page  3. Navigate to change password page | Pass |  |  |  |

### **<User> View ticket request list**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [VTR-1] | View ticket request list successful | 1. Click on “Mua Vé” tab  2. Click on “Quản lí rao mua” link | 1. Display page successful  2. Navigate to request ticket list, content include:  - Title and input:  + “Thời gian”  + “Tên sự kiện”  + “Nơi diễn ra sự kiện”  + “Trạng thái”  + “Thao tác”  - Button:  + “Chi tiết”  + “Đóng” | Pass |  |  |  |

### **<User> Manage ticket request**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [MTR-1] | View ticket request successful | 1. Click on “Mua Vé” tab  2. Click on “Quản lí rao mua” link  3. Choose a request and click on “Chi tiết” button | 1. Display page successful  2. Navigate to ticket request list  3. Navigate to request ticket page | Pass |  |  |  |
| [MTR-2] | Close ticket request successful | 1. Click on “Mua Vé” tab  2. Click on “Quản lí rao mua” link  3. Choose a request and click on “Đóng” button  4. Click “OK” button | 1. Display page successful  2. Navigate to ticket request list  3. Show confirm message  4. Change “Đóng” button to “Mở” button | Pass |  |  |  |

### **<Guest/ User > Search by event name**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [SEN-1] | Test search event name successful | 1. Input string want to search into search bar  2. Click on search label or press key enter | 1. When input more than 1 character, list search suggestion appears  2. Navigate to search page, show search results | Pass |  |  |  |
|  | Test search validate | 1. Input nothing into search bar  2. Click on search label or press key enter | 2. navigate to search page, show no result | Pass |  |  |  |

### **<User/Guest> View event details**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [VED-1] | Test view event details page | 1. Click on an event in homepage | 2. Navigate to event details page, content include:  - Title and input:  + Event Name  + “Ngày Tổ chức”  + “Ca sĩ”  + “Danh mục”  + “Địa điểm”  + Description  + “Mã Vé”  + “Người bán”  + “Miêu tả”  + ”Giá vé(VNĐ)”  + “Đặt vé”  - Button:  + “Theo dõi”  + “Đặt vé” | Pass |  |  |  |

### **<User> Logout**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [LO-1] | Logout successful | 1. Login with valid username and password  2. Click on “Đăng xuất” button | 1. Navigate to homepage with user name at the top right  2. Navigate to homepage with no user name at the top right | Pass |  |  |  |

## **Owner Test Case**

# **Check lists**

## **Checklist of Aesthetic Conditions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Questions | | Yes | No | N/A |
| 1 | Is the general screen background the correct color | X |  |  |
| 2 | Are the field prompts the correct color? | X |  |  |
| 3 | Are the field backgrounds the correct color | X |  |  |
| 4 | In read-only mode, are the field prompts the correct color? | X |  |  |
| 5 | In read-only mode, are the field backgrounds the correct color? | X |  |  |
| 6 | Are all the screens prompts specified in the correct screen font? | X |  |  |
| 7 | Is the text in all fields specified in the correct screen font? | X |  |  |
| 8 | Are all the fields prompts aligned perfectly on the screen? | X |  |  |
| 9 | Are all the fields edit boxes aligned perfectly on the screen? | X |  |  |
| 10 | Are all group boxes aligned correctly on the screen? | X |  |  |
| 11 | Should the screen be resizable? |  | X |  |
| 12 | Should the screen be minimize-able? | X |  |  |
| 13 | Are all the fields prompts spelt correctly? | X |  |  |
| 14 | Are all character or alpha-numeric fields left justified? This is the default unless otherwise specified | X |  |  |
| 15 | Are all numeric field’s right justified? This is the default unless otherwise specified | X |  |  |
| 16 | Is all the micro help text spelt correctly on this screen? | X |  |  |
| 17 | Is all the error message text spelt correctly on this screen? | X |  |  |
| 18 | Is all user inputs captured in upper case or lower case consistently? | X |  |  |
| 19 | Where the database requires a value (other than null) then this should be defaulted into fields. The user must either enter an alternative valid value or leave the default value intact. |  | X |  |
| 20 | Assure that all windows have a consistent look and feel. | X |  |  |
| 21 | Assure that all dialog boxes have a consistent look and feel. | X |  |  |

**Table IV -1** Checklist of Aesthetic Conditions

## **Checklist of Authorization**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Questions | | Yes | No | N/A |
| 1 | Is there a defined standard for login usernames/passwords? | X |  |  |
| 2 | Are good aging procedures in place for passwords? | X |  |  |
| 3 | Are users locked out after a given number of password failures? | X |  |  |
| 4 | Is there a link for help (e.g., forgotten passwords?) | X |  |  |
| 5 | Is there a process for password administration? | X |  |  |
| 6 | Have authorization levels been defined? | X |  |  |
| 7 | Is management sign-off in place for authorizations? |  | X |  |

**Table IV-2** Checklist of Authorization

## **Checklist of Validation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Questions | | Yes | No | N/A |
| 1 | Does a failure of validation on every field cause a sensible user error message? | X |  |  |
| 2 | Is the user required to fix entries which have failed validation tests? | X |  |  |
| 3 | Have any fields got multiple validation rules and if so are all rules being applied? | X |  |  |
| 4 | If the user enters an invalid value and clicks on the OK button (i.e. does not TAB off the field) is the invalid entry identified and highlighted correctly with an error message? | X |  |  |
| 5 | For all numeric fields check whether negative numbers can and should be able to be entered. | X |  |  |
| 6 | For all numeric fields check the minimum and maximum values and also some mid-range values allowable? | X |  |  |
| 7 | For all character/alphanumeric fields check the field to ensure that there is a character limit specified and that this limit is exactly correct for the specified database size? | X |  |  |
| 8 | Do all mandatory fields require user input? | X |  |  |
| 9 | If any of the database columns don't allow null values then the corresponding screen fields must be mandatory. (If any field which initially was mandatory has become optional then check whether null values are allowed in this field.) | X |  |  |
| 10 | Is validation consistently applied at screen level unless specifically required at field level? | X |  |  |

**Table IV-3** Checklist of Validation

## **Checklist of Data Field Validation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Questions | | Yes | No | N/A |
| 1 | Assure that leap years are validated correctly & do not cause errors/miscalculations | X |  |  |
| 2 | Assure that month code 00 and 13 are validated correctly & do not cause errors/miscalculations | X |  |  |
| 3 | Assure that 00 and 13 are reported as errors | X |  |  |
| 4 | Assure that day values 00 and 32 are validated correctly & do not cause errors/miscalculations | X |  |  |
| 5 | Is validation consistently applied at screen level unless specifically required at field level? | X |  |  |
| 6 | For all numeric fields check whether negative numbers can and should be able to be entered. | X |  |  |
| 7 | Assure that Feb. 28, 29, 30 are validated correctly & do not cause errors/miscalculations | X |  |  |
| 8 | For all character/alphanumeric fields check the field to ensure that there is a character limit specified and that this limit is exactly correct for the specified database size? | X |  |  |
| 9 | Assure that century change is validated correctly & does not cause errors/ miscalculations | X |  |  |
| 10 | Assure that out of cycle dates are validated correctly & do not cause errors/miscalculations | X |  |  |

**Table IV-4** Checklist of Data Field Validation

## **Checklist of Submission**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Questions | | Yes | No | N/A |
| TABLES AND FIGURES | |  |  |  |
| 1 | Does every table column, including the stub column, have a heading? | X |  |  |
| 2 | Are all tables referred to in text? | X |  |  |
| 3 | Are the elements in the figures large enough to remain legible after the figure has been reduced to the width of a journal column or page? |  |  | X |
| 4 | Is lettering in a figure no smaller than 12 points and no larger than 18 points? | X |  |  |
| 5 | Are the figures being submitted in a file format acceptable to the publisher? |  |  | X |
| 6 | Has the figure been prepared at a resolution sufficient to produce a high-quality image? |  |  | X |
| 7 | Are all figures numbered consecutively with Arabic numerals? |  |  | X |
| 8 | Are all figures and tables mentioned in the text and numbered in the order in which they are mentioned? | X |  |  |
| REFERENCES | |  |  |  |
| 1 | Are references cited both in text and in the reference list? |  | X |  |
| 2 | Do the text citations and reference list entries agree both in spelling and in date? |  |  | X |
| 3 | Are journal titles in the reference list spelled out fully? | X |  |  |
| 4 | Are the references (both in the parenthetical text citations and in the reference list) ordered alphabetically by the authors’ surnames? |  |  | X |
| 5 | Are inclusive page numbers for all articles or chapters in books provided in the reference list |  |  | X |
| 6 | Are references to studies included in your meta-analysis preceded by an asterisk? |  |  | X |
| FORMAT | |  |  |  |
| 1 | Have you checked the journal’s website for instructions to authors regarding specific formatting requirements for submission? |  |  | X |
| 2 | Is the entire manuscript—including quotations, references, author note, content footnotes, and figure captions—double-spaced? Is the manuscript neatly prepared? |  |  | X |
| 3 | Are the margins at least 1 in. (2.54 cm)? |  | X |  |
| 4 | Are the title pages, abstracts, references, appendices, content footnotes, tables, and figures on separate pages (with only one table or figure per page)? | X |  |  |
| 5 | Are all pages numbered in sequence, starting with the title page? | X |  |  |
| 6 | Are manuscript elements ordered in sequence, with the text pages between the abstract and the references? | X |  |  |
| 7 | Are the figure captions on the same page as the figures? | X |  |  |
| PARAGRAPHS AND HEADINGS | |  |  |  |
| 1 | Is each paragraph longer than a single sentence but not longer than one manuscript page? | X |  |  |
| 2 | Do the levels of headings accurately reflect the organization of the paper? | X |  |  |
| 3 | Do all headings of the same level appear in the same format? | X |  |  |

**Table IV-5** Submission Checklist

# **Appendix A: Test Logs**

## **Test Results**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Use Case | Pass | Fail | Untested | N/A | Number of test case |
| **Total** |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**Table VI-1** Test result

* 1. **Incident Report**

# **Appendix B: Supporting Information**

## **List of Tables**

**Table IV -1** Checklist of Aesthetic Conditions

**Table IV-2** Checklist of Authorization

**Table IV-3** Checklist of Validation

**Table IV-4** Checklist of Data Field Validation

**Table IV-5** Submission Checklist

**Table V-1** Test result

## **Reference**