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**E-Aquaria**

Lâm Thiện Nghĩa

Phạm Phi Hùng

Trần Nhật Minh

Đặng Quốc Duy

Supervised by **Thân Văn Sử**

No. SE05.A – 003

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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 E-Aquaria. The system is developed based on three-tier architecture with Java web application framework. E- Aquaria website is a social website for keeping historical values of Vietnamese families, and conveys those values to future generations.

## **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. This phase will use http://e-aquaria.net as hosting for executing testing process.
* 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> Add New Product**

Test if admin can add new product

### **<Admin> Edit Product**

Test if admin can edit product

### **<Admin> View list of orders**

Test if admin can view list of orders

### **<Admin> Change order’s status**

Test if admin can edit the status of an order

### **<Admin> Search User By Name**

Test admin can search a user by name

### **<Admin> Change personal info**

Test if admin can change his/her personal info

### **<Admin> Approve User Comment**

Test admin can approve this comment of user

### **<Admin> Approve User Article**

Test admin can approve article that user post

### **<Admin> Delete Article**

Test admin can delete article in main page

### **<User> Log Out**

Test if User can logout

### **<User> View User Detail**

Test if user can view their detail

### **<User> Update User Detail**

Test if user can update their detail

### **<User> View Order History**

Test if user can view their histories order

### **<User> View Article History**

Test if user can view their histories article

### **<User> Add To Cart**

Test if user or guest can add product to their cart

### **<User> View Current Cart**

Test if user or guest can view their cart

### **<User> Order**

Test if user can submit their cart for ordering

### **<User> Create New Article**

Test if user can create new article

### **<User> Comment/Rating Product**

Test if user can comment and rating specific product

### **<User> Comment/Rating Article**

Test if user can comment and rating specific article

### **<Guest/User> Search by Name**

Test if user or guest can search product by product name

### **<Guest/ User > Search by Price**

Test if user or guest can search product by product price

### **<Guest/ User > View Product Detail**

Test if user or guest can view product detail

### **<Guest> Register**

Test if guest can register new account

### **<Guest> Login**

Test if guest can login

### **<Owner> Manage Feedback**

Test if Owner can view feedback

### **<Owner> Add Admin**

Test if Owner can add new admin

### **<Owner> View Report**

Test if Owner can view business report

## **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 2008

- Web server: Internet information service 7

**Client:**

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

- OS: Win 7 Profession

- Brower: FireFox 13

## **Testing Tools and Environment**

# **Test Case**

## **Admin Test Case 1**

### **3.1.1 <Admin/Owner> Add New Product**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [ANP-1] | Test Add product page | Admin go to manager product page and click “thêm sản phẩm” | Add New Product Page appear include:  -Title and input:  + “Miêu tả sản phẩm”  + “Tên sản phẩm”  + “Loại Sản Phẩm”  + “Giá tiền”  -Buttons:  + “Tải lên”  + “Tạo”  + “Trở về danh sách sản phẩm”  -Picture multi-upload:  +“Chọn hình ảnh” | Pass |  |  |  |
| [ANP-2] | Add Product successful | 1. iput ‘thật đẹp’ in ‘miêu tả sản phẩm’  2.input ‘cá heo’ in ‘Tên sản phẩm’  3.Input ‘3000’ in ‘Giá tiền’  4.choose‘cá cảnh’ in list category  5.Upload 1 present image  6.Click ‘Tạo’ | Display the success messege to add product | Pass |  |  |  |
| [ANP-3] | Test Add Product Validation | 1.Leave ‘miêu tả sản phẩm’ blank  2.Click Tạo | Display error message ‘cần nhập miêu tả sản phẩm’ | Pass |  |  |  |
| [ANP-4] | Test Add Product Validation | 1.Leave ‘loại sản phẩm’ blank  2.Click Tạo | Display error message ‘cần chọn loại sản phẩm’ | Pass |  |  |  |
| [ANP-5] | Test Add Product Validation | 1.Leave ‘giá tiền’ blank  2.Click Tạo | Display error message ‘cần nhập giá tiền’ | Pass |  |  |  |
| [ANP-6] | Test Add Product Validation | 1.Leave ‘Hình đại diện’ blank  2.Click Tạo | Display error message  “Hãy chọn một hình đại diện cho sản phẩm” | Pass |  |  |  |
| [ANP-7] | Test Add Product Validation | 1.Leave ‘Mô tả sản phẩm’ blank  2.Click Tạo | Display error message  ‘Hãy nhập mô tả cho sản phẩm’ | Pass |  |  |  |
| [ANP-8] | Test Add Product Validation | 1.Leave ‘Hình đại diện’ blank  2.Click Tạo | Display error message  “Hãy chọn một hình đại diện cho sản phẩm” | Pass |  |  |  |
| [ANP-9] | Test Add Product Validation | 1.input ‘ abc’ in ‘giá tiền’  2.Click Tạo | Display error message  “giá tiền không hợp lệ” | Pass |  |  |  |
| [ANP-10] | Test Add Product Validation | 1.input ‘ 123’ in ‘tên sản phẩm’  2.Click Tạo 2.Click Tạo | Display error message  “tên sản phẩm phải bao gồm ký tự” | Pass |  |  |  |
| [ANP-11] | Test Add product but input same name product in database | 1.input ‘product1’ in ‘Tên sản phẩm’ and input exactly information of product.  2.click ‘tạo’  3. .input ‘product1’ in ‘Tên sản phẩm’ and input exactly information of product.  4.click ’tạo’ | Display error message  “sản phẩm bị trùng tên” | Pass |  |  |  |

### **3.1.2 <Admin/Owner> Edit Product**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [EP-1] | Test Edit product page | Admin go to manager product page and click on “chỉnh sửa” | Edit Product Page appear include:  -Title and input:  + “Miêu tả sản phẩm”  + “Tên sản phẩm”  + “Loại Sản Phẩm”  + “Giá tiền”  -Buttons:  + “Tải lên”  + “Tạo”  + “Trở về danh sách sản phẩm”  -Picture multi-upload:  +“Chọn hình ảnh” | Pass |  |  |  |
| [EP-2] | Edit Product successful | 1.Input again in ‘miêu tả sản phẩm.  2.Click tạo | Display the success messege to edit product | Pass |  |  |  |
| [EP-3] | Edit Product successful | 1.Input again in ‘tên sản phẩm’.  2.Click Tạo | Display the success messege to edit product. | Pass |  |  |  |
| [EP-4] | Edit Product successful | 1.Input again in ‘giá tiền’.  2.Click Tạo | Display the success messege to edit product. | Pass |  |  |  |
| [EP-5] | Edit Product successful | 1.Choose again in ‘loại sản phẩm’.  2.Click ‘Tạo’ | Display the success messege to edit product. | Pass |  |  |  |
| [EP-6] | Edit Product successful | 1.Upload image again  2.Click ‘Tạo’ | Display the success messege to edit product. | Pass |  |  |  |

### **3.1.3 < Admin/Owner > View List of Products**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [VLP-1] | Test if the list of product is shown correctly when click Quản Lý Sản Phẩm button in homepage | 1. Admin login to system.  2. From homepage, admin click Quản Lý Sản Phẩm button | The product list is displayed with all products in database | Pass |  |  |  |
| [VLP-2] | Test if the list of product is shown correctly when filter the product list by name with various options. | 1. From product list page, admin select the type Tìm Theo Tên in search section  2. Enter valid data in search textbox  3. Select an option in Loại Chính.  4. Select an option in Loại Phụ.  5. Select an option in Tình Trạng Kho.  6. Select an option in Tình Trạng Bán.  7. Click Tìm button | The product list is displayed with all products in database which the name of the products are satisfied with the conditions. If there’s no product existed, show “Không tìm thấy sản phẩm” message inline. | Pass |  |  |  |
| [VLP-3] | Test if the product is successfully searched with the product code. | 1. From product list page, admin select the type Tìm Theo Mã Sản Phẩm in search section  2. Enter valid data in search textbox  3. Click Tìm button | Display the product in database with matched product code. If the product is not existed, show “Không tìm thấy sản phẩm” message inline. | Pass |  |  |  |

### **3.1.4< Admin/Owner > View Order**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [VO-1] | Test loading manager order page | Admin go to manager order page | Manager Order Page appear include:  -Title and table:  + Show list order in the table  -Buttons and checkbox:  + ‘xóa’  + “trạng thái”  +’lưu’  + “Trở về quản lý chung” | Pass |  |  |  |
| [VO-2] | Test loading a order | Admin go to manager order page and double click on a order | Page content include:  -Title and input:  +’Chuyển trạng thái đơn hàng’ (dropdown)  -Buttons:  +’Thay đổi’  -Table and information:  +’Tên khách hàng’  +’Địa chỉ’  +’Số điện thoại’  +’Đơn hàng ID’  +’Ngày đặt’  +’Trạng thái’  +List of product orders detail  +List of deliverer name and their status | Pass |  |  |  |

### **3.1.5 < Admin/Owner > Change Order Status**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [EO-1] | Test change status order | Admin go to manager order page and click on ‘trạng thái’ next of order.  -choose a status in dropdown  +’Chờ xử lý’  +’Đang giao’  +’Trì hoãn’  +’Khách hàng hủy’  +’Hủy’  +’Hoàn thành’  -click ‘lưu’ | Show a success messege ‘bạn đã lưu thay đổi’ | Pass |  |  |  |

### **3.1.6 < Admin/Owner > Search User**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [SU-1] | Test manager user page | Admin go to manager user | Manager User Page appear include:  -Table include information of user :  + “Tên”  + “ngày tháng năm sinh”  + “điện thoại”  +”địa chỉ nhà”  +”địa chỉ email”  +”tình trạng hoạt động”  -A textbox to input user, and a dropbox list to search.  -Buttons:  + ‘xóa’  + “hoạt động”  +”không hoạt động”  + “Trở về trang quản lý” | Pass |  |  |  |
| [SU-2] | Test search with keyword | .Input “xyz” at [“Tên tài khoản”] search textbox  .Click “Tìm” button | Display user xyz if user to register.  Or dislay ‘không có người dung cần tìm’ if don’t have user in database | Pass |  |  |  |
| [SU-3] | Test search with keyword | 1.Choose a way to search in the dropbox: ‘số điện thoại’,  2.input ‘0988888888’ at [‘’số điện thoại”]  3.click ‘tìm’ button | Display user if user have telephone number is: 098888888.  Or dislay ‘không có người dung cần tìm’ if don’t have user to have this number telephone. | Pass |  |  |  |
| [SU-4] | Test search with keyword | 1.Choose a way to search in the dropbox: ‘số điện thoại’,  2.input ‘abc’ at [‘’số điện thoại”]  3.click ‘tìm’ button | Display a error messege “chỉ gõ số” | Pass |  |  |  |
| [SU-5] | Test search with keyword | 1.Choose a way to search in the dropbox: ‘email’,  2.input ‘duydq00276@fpt.edu.vn’ at [‘email”]  3.click ‘tìm’ button | Display user if user have email is: duydq00276@fpt.edu.vn’.  Or dislay ‘không có người dung cần tìm’ if don’t have user to have this email. | Pass |  |  |  |

### **3.1.7 < Admin/Owner > Change Personal Info**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | | Note | |
| [EU-1] | Test manager user page | Admin go to manager user | Manager User Page appear include:  -Table include information of user :  + “Tên”  + “ngày tháng năm sinh”  + “điện thoại”  +”địa chỉ nhà”  +”địa chỉ email”  +”tình trạng hoạt động”  -A textbox to input user, and a dropbox list to search.  -Buttons:  + ‘xóa’  + “hoạt động”  +”không hoạt động”  + “Trở về trang quản lý” | Pass |  |  | |  | |
| [EU-2] | Test active user | Click on “hoạt động” button next to information of user | Display messege ‘thay đổi trạng thái hoạt động của user’ and status “hoạt động” button to change | Pass |  |  |  | |
| [EU-3] | Test active user | Click on “không hoạt động” button next to information of user | Display messege ‘thay đổi trạng thái hoạt động của user’ and status “không hoạt động” button to change | Pass |  |  |  | |
|  | Test Delete User | Click on “xóa” button next to information of user | Display success messege “bạn đã xóa người dùng” | Pass |  |  |  | |

### **3.1.8 < Admin/Owner > Approve User Comment**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [AUC-1] | Test loading manager comment page | Admin go to manager comment | Manager Comment Page appear include:  -Table include all information:  + “người Viết”  + “Nội Dung”  + “Sản Phẩm Liên Quan”  +”Ngày Viết”  +”Bỏ Đánh Dấu”  +”Xóa”  -A dropdown ‘ tình trạng‘  -Buttons: button next to comment  + ‘xóa’  + “bỏ đánh dấu” | Pass |  |  |  |
| [AUC-2] | Test approve comment | Click on “bỏ đánh dấu” button | Change status of button ‘đánh dấu’ to ‘bỏ đánh dấu’. | Pass |  |  |  |
| [AUC-3] | Test delete comment | Click on “xóa” button next to comment | Display messege ‘đã xóa bình luận’ | Pass |  |  |  |

### **3.1.9 < Admin/Owner > Admin Approve Feedback**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [AAF-1] | Test loading manager feedback page | Admin go to manager feedback page, by click ‘duyệt góp ý’ | Manager Feedback Page appear include:  -Table include all information:  + “từ”  + “Tiêu Đề”  + “thời gian”  - A textbox to display content of feedback  +Từ  +Tiêu Đề  +Lúc  -A textbox to input answer  -A dropdown:  + trạng thái phản hồi  -A dropdown ‘ tình trạng‘  -Buttons:  + “tìm”  +”Trả Lời” | Pass |  |  |  |
| [AAF-2] | Test search by ‘đã trả lời’ | Click on ‘đã trả lời’ in list on dropdown | Display all feedback, this was read and answer . | Pass |  |  |  |
| [AAF-3] | Test search by ‘chưa trả lời’ | Click on “chưa trả lời” in list on dropdown | Display all feedback, this don’t read and answer . | Pass |  |  |  |
| [AAF-4] | Test validate input textbox answer | 1.Click on a Feedback,  2.Input ‘aaaaaaaaaaaaaaa’ in textbox answer  3.click ‘Trả lời’ | Display success messege and show feedback in ‘đã trả lời’ | Pass |  |  |  |

### **3.1.10 < Admin/Owner > Approve User Article**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [AUA-1] | Test loading manager article page | Admin go to manager article page, by click ‘quản lý bài đăng’ | Manager Article Page appear include:  -Table include all information:  + “từ”  + “Tiêu Đề”  + “thời gian”  - A textbox to display content of Article  +Từ  +Tiêu Đề  +Lúc  -A textbox to input answer  -A dropdown:  + trạng thái phản hồi  -A dropdown ‘ tình trạng‘  -Buttons:  + “chấp nhận”  +”Không Chấp Nhận”  +”Xóa” | Pass |  |  |  |
| [AUA-2] | Test search by ‘đã duyệt’ | Click on ‘đã duyệt’ in list on dropdown | Display all list article, this was read and approve . | Pass |  |  |  |
| [AUA-3] | Test search by ‘chưa duyệt’ | Click on “chưa duyệt” in list on dropdown | Display all feedback, this is disapprove. | Pass |  |  |  |
| [AUA-4] | Test validate input textbox, this include content article | 1.Click on a article,  2.Input ‘aaaaaaaaaaaaaaa’ in textbox include content’s article  3.click ‘chấp nhận’ | -You can type in textbox, and it is validate  -Article was approve , and Article was post. | Pass |  |  |  |
| [AUA-5] | Test validate input textbox, this is textbox blank | 1.Click on a article,  2.Input ‘aaaaaaaaaaaaaaa’ in textbox include answer’s article  3.click ‘chấp nhận’ | -You can type in textbox, and it is validate  -Article was approve , and Article was post. | Pass |  |  |  |
| [AUA-6] | Test button ‘không chấp nhận’ | 1.Click on a article,  2.Input ‘aaaaaaaaaaaaaaa’ in textbox include answer’s article  3.click ‘không chấp nhận’ | -You can type in textbox, and it is validate  -Article was disapprove , and Article wasn’t post. | Pass |  |  |  |
| [AUA-7] | Test button ‘xóa’ | 1.Click on a article,  2.Click ‘Xóa’ button | Display success messege “bài đăng đã được xóa” | Pass |  |  |  |

## **User/Guest Test Case**

### **<Guest> Register**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [UR-1] | Register successfully incase: Enter full all fields | 1.Go to Register screen  2.Enter valid data to all field  3.Click to ‘hoàn tất’ button | 1.Register screen appear.  2.Data is inputted to all field  3.Data is saved to database | Pass |  |  |  |
| [UR-2] | Register successfully incase: Enter required fields | 1.Go to Register screen  2.Enter valid data to required field  3.Click to ‘hoàn tất’ button | 1.Register screen appear.  2.Data is inputted into required field  3.Data is saved to database | Pass |  |  |  |
| [UR-3] | Register unsuccessfully incase: required fields is blank | 1.Go to Register screen  2.Enter valid data to all field except required filed  3.Click to ‘hoàn tất’ button | 1.Register screen appear.  2.Show error tip on all error fields | Pass |  |  |  |
| [UR-4] | Register unsuccessfully incase: all fields is blank | 1.Go to Register screen  2.Blank in all fields  3.Click to ‘hoàn tất’ button | 1.Register screen appear.  2.Show error tip on all error fields | Pass |  |  |  |
| [UR-5] | Register unsuccessfully incase: input username existed in database | 1.Go to Register screen  2.Input username exited in database  3.Click to ‘hoàn tất’ button | 1.Register screen appear.  2.Show error in username field | Pass |  |  |  |
| [UR-6] | Register unsuccessfully incase: input invalid data | 1.Go to Register screen  2.Input invalid data : username length, special characters at user name field, email,  3.Click to ‘hoàn tất’ button | 1.Register screen appear.  2.Show error in username, email, | Pass |  |  |  |

### **<Guest> Login**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [UL-1] | Login successfully incase: Enter full all fields | 1.Go to Home screen  2.Enter valid data to login field at top right screen  3.Click to ‘Đăng nhập’ button | 1.Home screen appear with login form  2.Data is inputted to all field  3.If login success, return to home screen with username at top right screen. | Pass |  |  |  |
| [UL-3] | Login unsuccessfully incase: required fields is blank | 1.Go to Home screen  2.Enter valid data to all field except required filed  3.Click to ‘hoàn tất’ button | 1.Register screen appear.  2.Show error tip | Pass |  |  |  |
| [UL-5] | Login unsuccessfully incase: input username not existed in database | 1.Go to Register screen  2.Input username not exited in database  3.Click to ‘hoàn tất’ button | 1.Register screen appear.  2.Show error tip | Pass |  |  |  |
| [UL-6] | Login unsuccessfully incase: input password field is blank | 1.Go to Register screen  2.Enter username without password  3.Click to ‘hoàn tất’ button | 1.Register screen appear.  2.Show error tip | Pass |  |  |  |

### **<User/Guest> View Product**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [VP-1] | Test page loading | Go to website’s homepage | Page loading include 8 product in a page, with a textbox to search product | Pass |  |  |  |
| [VP-2] | View a product | 1.Go to ‘Danh Sách Sản Phẩm’  2.Click on any product | Display information of product include:  +hình ảnh  +Thông tin sản phẩm  +Loại mặt hàng  +Giá  +Đánh giá trung bình  -textbox to input comment  -A textbox to search product | Pass |  |  |  |

### **<User/Guest> Search Product**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [SP-1] | Test page loading search product | Go to “danh sách sản phẩm” page:  Click on dropbox ‘tìm theo tên’ and ‘tìm theo giá’ | Page loading show  -‘tìm theo tên’: display textbox to input  -‘tìm theo giá’: display 2 textbox to input | Pass |  |  |  |
| [SP-2] | Search successfully by name product incase: enter name product | 1.Go to ‘tên sản phẩm’  2.Input ‘name’ at textbox  3.click ‘tìm kiếm’ button | Display list product:  -If name product same to keyword  +hình ảnh  +Thông tin sản phẩm  +Loại mặt hang  +Giá  +Đánh giá trung bình  -If haven’t name product same key word:  + show messege ‘không có sản phẩm nào’ | Pass |  |  |  |
| [SP-3] | Search successfully by price product incase: keyword is number | 1.Go to ‘giá sản phẩm’  2.Input ‘price’ at textbox  3.click ‘tìm kiếm’ button | Display list product:  -If price product in database have value in about price to search. It will show  +hình ảnh  +Thông tin sản phẩm  +Loại mặt hang  +Giá  +Đánh giá trung bình  -If price product in database have value to different to search. It will show messege “không có sản phẩm bạn tìm” | Pass |  |  |  |
| [SP-4] | Search unsuccessfully by price product incase: keyword is character | 1.Go to ‘giá sản phẩm’  2.Input ‘price by character’ at textbox  3.click ‘tìm kiếm’ button | Display error messege, and show input again | Pass |  |  |  |
| [SP-5] | Search unsuccessfully by price product or by name incase: blank input | 1.Go to ‘giá sản phẩm’  2.click ‘tìm kiếm’ button | Show all product | Pass |  |  |  |

### **<User/Guest> Comment/Rating Product**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [CRP-1] | Test page loading with Comments | .Go to website homepage  .View detail of a product | Comment contents are loaded with comment form and product’s comments below the form | Pass |  |  |  |
| [CRP-2] | Test add Comment Validation | .Don’t input anything  .Click on “Gửi” | Show error message “Nội dung không được ít hơn 10 ký tự” | Pass |  |  |  |
| [CRP-3] | Test flag comment | .View Comment  .Click on little Flag icon below the rating | Show notify “Báo bình luận xấu thành công” and remove flag icon of selected comment instantly on user browser. | Fail |  |  |  |
| [CRP-4] | Test add Comment successfully | .input valid content  .Click on “Gửi” | Load new comment instantly on user browser. | Pass |  |  |  |
| [CRP-5] | Test rating | Click on star | Display change rating | Pass |  |  |  |

### **<User/Guest> Create New Article**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [CNA-01] | Test Create Article Field | .Go to Create New Article page  .Input valid information  .Click to "Hoàn tất" button | Insert to database and redirect to articleList page | Pass |  |  |  |
| [CNA-02] | Test Create Article validation Field | .Go to Create New Article page  .Don't input any information  .Click to "Hoàn tất" button | Display message errors at mandatory fields (\*) but the atitle and description field have error:  -Title: “Chủ đề không được để trống”  -Description: “Chú thích không được để trống” | Pass |  |  |  |

### **<User/Guest> View Article**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [VA-1] | Test page article loading | Click on ‘bài viêt – trao đổi’ | -Page loading include list 5 article in a page, with a textbox to search article.  -Button:  +Trang trước, trang sau  +Tìm kiếm | Pass |  |  |  |
| [VA-2] | Test View an article | Click on a article in article list | Display content of article  -Below, it have rating, and comment for user or guest | Pass |  |  |  |

### **<User/Guest> Search Article**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [SA-1] | Test page loading search product | Go to “tìm kiếm” in article page:  Click on dropbox ‘tiêu đề’ and ‘tác giả’  Choose a category in category dropbox | Page loading show  -‘theo tiêu đề’: display textbox to input  -‘ theo tác giả’: display textbox to input  -‘category’: display a dropdow to choose  -Button: ‘tìm kiếm’ | Pass |  |  |  |
| [SA-2] | Search successfully by incase: enter title | 1.Choose“tiêu đề’  2.Input ‘name’ at textbox  3.click ‘tìm kiếm’ button | Display list article:  -If name article same to keyword  + Display list article same keyword  -If haven’t name article same key word:  + show messege ‘không có bài viết nào’ | Pass |  |  |  |
| [SA-3] | Search successfully by ‘theo tác giả’ | 1.Choose ‘tác giả’  2.Input ‘name’ at textbox  3.click ‘tìm kiếm’ button | Display list article of author: | Pass |  |  |  |
| [SA-4] | Search successfully by category | 1.Choose a category in category list  3.click ‘tìm kiếm’ button | Display list article in category | Pass |  |  |  |
| [SA-5] | Search successfully by title and category | 1.Choose ‘tiêu đề’  2.Input ‘name’ at textbox  3. choose a category in category list  3.click ‘tìm kiếm’ button | Display list article:  -If name article same to keyword  + Display list article same keyword in chosen category  -If haven’t name article same key word in chosen cateogyr:  + show messege ‘không có bài viết nào’ | Pass |  |  |  |
| [SA-6] | Search successfully by author and category | 1.Choose ‘tác giả  2.Input ‘name’ at textbox  3. choose a category in category list  3.click ‘tìm kiếm’ button | Display list article of author in chosen category | Pass |  |  |  |

### **<User/Guest> Comment/Rating Article**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [CRA-1] | Test page loading with Comments | .Go to website homepage  .View detail of a article  .Click on Comment tab | Comment contents are loaded with comment form and article’s comments below the form | Pass |  |  |  |
| [CRA-2] | Test add Comment Validation | .Don’t input anything  .Click on “Gửi” | Show error message “Nội dung không được ít hơn 10 ký tự” | Pass |  |  |  |
| [CRA-3] | Test flag comment | .View Comment  .Click on little Flag icon below the rating | Show notify “Báo bình luận xấu thành công” and remove flag icon of selected comment instantly on user browser. | Pass |  |  |  |
| [CRA-4] | Test add Comment successfully | .input valid content  .Click on “Gửi” | Load new comment instantly on user browser. |  |  |  |  |
| [CRA-5] | Test rating | Click on star | Display change color of star |  |  |  |  |

### **<User> Add To Cart**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Output | Inter-test case Dependence | Result | Test date | Note |
|  | Add to Cart button loading | | | | | | |
|  | Steps  Go to Product index page  Click “Thêm vào giỏ” on any product | | | | | | |
| [ATC-01] | Test page loading with “Đặt mua” button | .Go to website homepage | Page load with products load in container page |  | Pass |  |  |
|  | Add to Cart function result | | | | | | |
| [ATC-02] | Test add product to cart in homepage | .Click on “ Đặt mua ” button | Page load with products load in container page and mini order detail is updated | [GCATC-01] | Pass |  |  |
| [ATC-04] | Test add product to cart in view details page | .Click on image of product for going to view product details page  .Click on “Thêm vào Giỏ hàng” when viewing details page | Page load with products load in container page and mini order detail is updated | [GCATC-01] | Pass |  |  |

### **<User> View Current Cart**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Output | Inter-test case Dependence | Result | Test date | Note |
|  | Cart loading | | | | | | |
|  | Steps  Go to Product index page  Order some product  Click “Chi tiết đơn hàng” on mini order details | | | | | | |
| [VCC-01] | Test cart loading | . Go to Product index page  . Click “Chi tiết đơn hàng” | Page loaded with content of current Cart |  | Pass |  |  |
|  | Edit product quantity function result | | | | | | |
| [VCC-02] | Test Edit quantity in cart validation | .Have 1 product in cart  .Click on edit quantity field and input “abc”  .Click outside of input field to make change | Show an alert that quantity must be a number | [GCVCC-01] | Pass |  |  |
| [VCC-03] | Test Edit quantity in cart validation | .Have 1 product in cart  .Click on edit quantity field and input “100”  .Click outside of input field to make change | Replace quantity input to max allow “50” and regenerate Cart | [GCVCC-01] | Pass |  |  |
| [VCC-04] | Test Edit quantity in cart validation | .Have 1 product in cart  .Click on edit quantity field and input @@@”  .Click outside of input field to make change | Show an alert that quantity must be a number | [GCVCC-01] | Pass |  |  |
| [VCC-05] | Test Edit quantity in cart validation | .Have 1 product in cart  .Click on edit quantity field and input “-10”  .Click outside of input field to make change | Replace quantity input to last quantiy | [GCVCC-01] | Pass |  |  |
|  | Remove product from Cart function result | | | | | | |
| [VCC-06] | Test Remove product from cart confirmation | .Have products in cart  .Click on X icon for remove  .Click OK on confirm box | Corresponding Product removed from cart | [GCVCC-01] | Pass |  |  |
| [VCC-07] | Test Remove product from cart confirmation | .Have products in cart  .Click Quantity field and set to “0” then click outside the input field | Replace quantity input to last quantiy | [GCVCC-01] | Pass |  |  |

### **<User> Submit Cart**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Output | Inter-test case Dependence | Result | Test date | Note |
|  | Submit Cart Function result | | | | | | |
|  | Steps  Go to Product index page homepage  Click “Chi tiết đơn hàng” on mini order detail | | | | | | |
| [SC-01] | Test submit cart validation | .Have products in cart  .Not input address “Gửi hang đến” field and account still not have address(database missing field or error)  .Click “Đặt Hàng” | Error message show: “Tài khoản chưa có địa chỉ. Thêm địa chỉ” |  | Fail |  |  |
| [SC-02] | Test submit cart success | .Have products in cart  .Login success.  Click “Đặt Hàng” | Notify show “Đặt hàng thành công” |  | Pass |  |  |

### **<User> View User Detail**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | | Expected Output | Inter-test case Dependence | Result | Test date | Note |
|  | Load page View User Detail | | | | | | | |
|  | Steps  Login  Click on username on header bar | | | | | | | |
| [VUD-01] | Test user’s details load page | | .Click on username on header bar | Load User details page with all information about user. |  | Pass |  |  |

### **<User> Update Detail**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Output | Inter-test case Dependence | Result | Test date | Note |
|  | Update Detail test load page | | | | | | |
|  | Steps  Login  Click on username on header bar | | | | | | |
| [UD-01] | Test Update Detail page | .Go to website homepage  .Login success  .Click on account name on header bar | Update Details page is displayed. The content includes:  Title: “Thông tin tài khoản”  Labels:  + Tên (fullname)  + Địa chỉ (address)  + Số điện thoại (phone)  + Email (email)  + Gender (giới tính)  Buttons:  + “Cập nhật” (Submit) | [CVUD-01] | Pass |  |  |
| [UD-02] | Test Update Detail Field | .Go to Update Detail page  .Don't change information  .Click to "Cập nhật tài khoản" button | Display message “Đã cập nhật thành công” | [CVUD-01] | Pass |  |  |
| [UD -03] | Test Update Detail Validation Phone Field | .Go to Update Detail page  .Input “asdzxcasd” for phone field  .Click to "Cập nhật tài khoản" button | Display message errors at mandatory fields (\*) but the phone field have error:  Phone: “Số điện thoại phải là các ký số”. | [CVUD-01] | Pass |  |  |
| [UD -04] | Test Register Validation Email Field | .Go to Update Detail page  .Input “asdzxcasd” for email field  .Click to "Cập nhật tài khoản" button | Display message errors at mandatory fields (\*) but the email field have error:  Email: “E-mail phải có ký tự @ ít nhất ở vị trí thứ 2 ”. | [CVUD-01] | Pass |  |  |
| [UD -05] | Test Update Detail successfully | .Go to Update Detail page  .Input valid information  .Click to "Cập nhật tài khoản" button | Don’t do any thing | [CVUD-01] | Pass |  |  |
| [UD -06] | Test Update Detail Validation with existed phone | .Go to Update Detail page  .Input valid information with input existed phone  .Click “Cập nhật tài khoản” button | Display message error on error field “Số điện thoại đã tồn tại.” | [CVUD -01] | Fail |  |  |
| [UD -07] | Test Update Detail Validation with existed email | .Go to Update Detail page  .Input valid information with input existed email  .Click “Cập nhật tài khoản” button | Display message error on error field “Địa chỉ email đã tồn tại.” | [CVUD -01] | Fail |  |  |
| [UD -08] | Test Update Detail Validation with password have special character | .Go to Update Detail page  .Input valid information with input password have special character  .Click “Cập nhật tài khoản” button | Display message error on password field “Mật khẩu không được dùng ký tự đặc biệt.” | [CVUD -01] | Fail |  |  |
| [UD -9] | Test Update Detail Validation with password have special character | .Go to update Detail page  .Input valid information with input password have special character  .Click “Tạo tài khoản” | Display message error on password field “Mật khẩu không được dùng ký tự đặc biệt.” | [CVUD -01] | Fail |  |  |

### **<User> View Order History**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | | Expected Output | Inter-test case Dependence | Result | Test date | Note |
|  | View History Orders pageload | | | | | | | |
|  | Steps  Login successful in system with role Customer  Click on username on header  Click on “Lịch sử mua hàng ” tab | | | | | | | |
| [VHO-01] | Test page load for history orders page | | .Go to website’s homepage  .Login successful in system with role Customer  .Click on username on header  .Click on “Lịch sử mua hàng” tab | Page load with history of previous orders that user ordered and its status. |  | Pass |  |  |
| [VHO-02] | Test history order details page | | Go to website’s homepage  .Login successful in system with role Customer  .Click on username on header  .Click on “Lịch sử mua hàng” tab  .Click on an order time on table | Page load details of chosen order |  | Fail |  |  |

### **<User> View Article History**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | | Expected Output | Inter-test case Dependence | Result | Test date | Note |
|  | View History Articles pageload | | | | | | | |
|  | Steps  Login successful in system with role Customer  Click on username on header  Click on “Lịch sử bài viết ” tab | | | | | | | |
| [VHA-01] | Test page load for history orders page | | .Go to website’s homepage  .Login successful in system with role Customer  .Click on username on header  .Click on “Lịch sử bài viết” tab | Page load with history of previous article that user created and its status. |  | Pass |  |  |
| [VHA-02] | Test history order details page | | Go to website’s homepage  .Login successful in system with role Customer  .Click on username on header  .Click on “Lịch sử mua hàng” tab  .Click on “Chỉnh sửa” icon of an unApproved article | Page load details of chosen article and allow user to edit |  | Pass |  |  |

### **<User> Logout**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Result | Result | Test date | Tester | Note |
| [ULO-1] | Logout successfully incase: Click ‘Đăng xuất’ button | 1.Go to Home screen  2.Login with valid username and password  3.Click to ‘Đăng xuất button | 1.Home screen appear with login form and session is clear | Pass |  |  |  |

## **Owner Test Case**

### **<Owner> Add Admin**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Output | Inter-test case Dependence | Result | Test date | Note |
|  | Add Admin | | | | | | |
|  | Steps:  Login successful with role is owner  Clicks “Thêm Admin” button in “Quản lí nhân viên” button when move mouse over | | | | | | |
| [ADD-01] | Test Add Admin Page | Owner go to Owner page and clicks “Thêm Admin” | Add Admin page is displayed, and content includes:  Fullname (“Tên đầy đủ”)  Username(“Tên tài khoản”)  Password(“Mật khẩu”)  ConfirmPassword(“Xác nhận mật khẩu”)  Email(“Địa chỉ thư điện tử”)  Phone(“Số điện thoại”)  Gender(“Giới tính”)  Button “Thêm”  Button “Nhập lại” |  | Fail |  |  |
| [ADD-02] | Test Add Admin validate | Go to Add Admin page  Input valid inform  Clicks “Thêm” button | Display add admin successful | [ADD-01] | Fail |  |  |
| [ADD-03] | Test Add Admin validate | Go to Add Admin page  Do not input inform into all field  Clicks “Thêm” button | Display alert to request user input valid inform:  Fullname (“Vui lòng nhập Tên đầy đủ”)  Username(“Vui lòng nhập Tên tài khoản hợp lệ”)  Password(“Vui lòng nhập Mật khẩu hợp lệ”)  Email(“Vui lòng nhập Địa chỉ thư điện tử hợp lệ”)  Phone(“Vui lòng nhập Số điện thoại hợp lệ”) | [ADD-01] | Fail |  |  |
| [ADD-04] | Test Add Admin validate | Go to Add Admin page  Do not input inform into fullname field  Clicks “Thêm” button | Display alert to request user input valid inform:  Fullname (“Vui lòng nhập Tên đầy đủ”) | [ADD-01] | Fail |  |  |
| [ADD-05] | Test Add Admin validate | Go to Add Admin page  Do not input inform into fullname, username field  Clicks “Thêm” button | Display alert to request user input valid inform:  Fullname (“Vui lòng nhập Tên đầy đủ”)  Username(“Vui lòng nhập Tên tài khoản hợp lệ”) | [ADD-01] | Fail |  |  |
| [ADD-06] | Test Add Admin validate | Go to Add Admin page  Do not input inform into fullname, username, password field  Clicks “Thêm” button | Display alert to request user input valid inform:  Fullname (“Vui lòng nhập Tên đầy đủ”)  Username(“Vui lòng nhập Tên tài khoản hợp lệ”)  Password(“Vui lòng nhập Mật khẩu hợp lệ”)  ConfirmPassword(“Xác nhận Mật khẩu không khớp”) | [ADD-01] | Fail |  |  |
| [ADD-07] | Test Add Admin validate | Go to Add Admin page  Do not input inform into fullname, username, password, confirmPassword field  Clicks “Thêm” button | Display alert to request user input valid inform:  Fullname (“Vui lòng nhập Tên đầy đủ”)  Username(“Vui lòng nhập Tên tài khoản hợp lệ”)  Password(“Vui lòng nhập Mật khẩu hợp lệ”) | [ADD-01] | Fail |  |  |
| [ADD-08] | Test Add Admin validate | Go to Add Admin page  Do not input inform into fullname, username, password, confirmPassword, Email field  Clicks “Thêm” button | Display alert to request user input valid inform:  Fullname (“Vui lòng nhập Tên đầy đủ”)  Username(“Vui lòng nhập Tên tài khoản hợp lệ”)  Password(“Vui lòng nhập Mật khẩu hợp lệ”)  Email(“Vui lòng nhập Địa chỉ thư điện tử hợp lệ”) | [ADD-01] | Fail |  |  |
| [ADD-09] | Test Add Admin validate | Go to Add Admin page  Do not input inform into confirmPassword, field  Clicks “Thêm” button | Display alert to request user input valid inform:  ConfirmPassword(“Xác nhận Mật khẩu không khớp”) | [ADD-01] | Fail |  |  |
| [ADD-10] | Test Add Admin validate | Go to Add Admin page  Input into username field with the length less than 6  Clicks “Thêm” button | Display alert to request user input valid inform:  Username(“Vui lòng nhập Tên tài khoản hợp lệ”) | [ADD-01] | Fail |  |  |
| [ADD-11] | Test Add Admin validate | Go to Add Admin page  Input into password field with number of characters is less than 6 or more than 10  Clicks “Thêm” button | Display alert to request user input valid inform:  Password(“Vui lòng nhập Mật khẩu hợp lệ”) | [ADD-01] | Fail |  |  |
| [ADD-12] | Test Add Admin validate | Go to Add Admin page  Input into Confirmpassword field by different value with password field  Clicks “Thêm” button | Display alert to request user input valid inform:  ConfirmPassword(“Xác nhận Mật khẩu không khớp”) | [ADD-01] | Fail |  |  |
| [ADD-13] | Test Add Admin validate | Go to Add Admin page  Input into Email field with value that different with format  “---@----.---”  Clicks “Thêm” button | Display alert to request user input valid inform:  Email(“Vui lòng nhập Địa chỉ thư điện tử hợp lệ”) | [ADD-01] | Fail |  |  |
| [ADD-14] | Test Add Admin validate | Go to Add Admin page  Input into Phone field with the number string is out of rank 10 - 12  Clicks “Thêm” button | Display alert to request user input valid inform:  Phone(“Vui lòng nhập Số điện thoại hợp lệ”) | [ADD-01] | Fail |  |  |
| [ADD-15] | Test Add Admin validate |  |  | [ADD-01] | Fail |  |  |
| [ADD-16] | Test Add Admin validate |  |  | [ADD-01] | Fail |  |  |

### **<Owner> Update Admin**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Test Case Description | Test Case Procedure | Expected Output | Inter-test case Dependence | Result | Test date | Note |
|  | Add Admin | | | | | | |
|  | Steps:  Login successful with role is owner  Clicks “Quản lí nhân viên” button | | | | | | |
| [UA-01] | Test Update Admin Page | Owner go to Owner page and clicks “Quản lí nhân viên”  Click edit button at any admin in list | Add Admin page is displayed, and content includes:  Fullname (“Tên đầy đủ”)  Username(“Tên tài khoản”)  Password(“Mật khẩu”)  ConfirmPassword(“Xác nhận mật khẩu”)  Email(“Địa chỉ thư điện tử”)  Phone(“Số điện thoại”)  Gender(“Giới tính”)  Button “Chỉnh sửa”  Button “Nhập lại” |  | Fail |  |  |
| [UA-02] | Test Add Admin validate | Go to Update Admin page  Input valid inform  Clicks “Chỉnh sửa” button | Display add admin successful | [ADD-01] | Fail |  |  |
| [UA-03] | Test Add Admin validate | Go to Update Admin page  Clear all field  Clicks “Chỉnh sửa” button | Display alert to request user input valid inform:  Fullname (“Vui lòng nhập Tên đầy đủ”)  Username(“Vui lòng nhập Tên tài khoản hợp lệ”)  Password(“Vui lòng nhập Mật khẩu hợp lệ”)  Email(“Vui lòng nhập Địa chỉ thư điện tử hợp lệ”)  Phone(“Vui lòng nhập Số điện thoại hợp lệ”) | [ADD-01] | Fail |  |  |
| [UA-04] | Test Add Admin validate | Go to Update Admin page  Clear fullname field  Clicks “Chỉnh sửa” button | Display alert to request user input valid inform:  Fullname (“Vui lòng nhập Tên đầy đủ”) | [ADD-01] | Fail |  |  |
| [UA-05] | Test Add Admin validate | Go to Update Admin page  Clear fullname, username field  Clicks “Chỉnh sửa” button | Display alert to request user input valid inform:  Fullname (“Vui lòng nhập Tên đầy đủ”)  Username(“Vui lòng nhập Tên tài khoản hợp lệ”) | [ADD-01] | Fail |  |  |
| [UA-06] | Test Add Admin validate | Go to Update Admin page  Clear fullname, username, password field  Clicks “Chỉnh sửa” button | Display alert to request user input valid inform:  Fullname (“Vui lòng nhập Tên đầy đủ”)  Username(“Vui lòng nhập Tên tài khoản hợp lệ”)  Password(“Vui lòng nhập Mật khẩu hợp lệ”)  ConfirmPassword(“Xác nhận Mật khẩu không khớp”) | [ADD-01] | Fail |  |  |
| [UA-07] | Test Add Admin validate | Go to Update Admin page  Clear fullname, username, password, confirmPassword field  Clicks “Chỉnh sửa” button | Display alert to request user input valid inform:  Fullname (“Vui lòng nhập Tên đầy đủ”)  Username(“Vui lòng nhập Tên tài khoản hợp lệ”)  Password(“Vui lòng nhập Mật khẩu hợp lệ”) | [ADD-01] | Fail |  |  |
| [UA-08] | Test Add Admin validate | Go to Update Admin page  Clear fullname, username, password, confirmPassword, Email field  Clicks “Chỉnh sửa” button | Display alert to request user input valid inform:  Fullname (“Vui lòng nhập Tên đầy đủ”)  Username(“Vui lòng nhập Tên tài khoản hợp lệ”)  Password(“Vui lòng nhập Mật khẩu hợp lệ”)  Email(“Vui lòng nhập Địa chỉ thư điện tử hợp lệ”) | [ADD-01] | Fail |  |  |
| [UA-11] | Test Add Admin validate | Go to Update Admin page  Input into password field with number of characters is less than 6 or more than 10  Clicks “Chỉnh sửa” button | Display alert to request user input valid inform:  Password(“Vui lòng nhập Mật khẩu hợp lệ”) | [ADD-01] | Fail |  |  |
| [UA-12] | Test Add Admin validate | Go to Update Admin page  Input into Confirmpassword field by different value with password field  Clicks “Chỉnh sửa” button | Display alert to request user input valid inform:  ConfirmPassword(“Xác nhận Mật khẩu không khớp”) | [ADD-01] | Fail |  |  |
| [UA-13] | Test Add Admin validate | Go to Update Admin page  Input into Email field with value that different with format  “---@----.---”  Clicks “Chỉnh sửa” button | Display alert to request user input valid inform:  Email(“Vui lòng nhập Địa chỉ thư điện tử hợp lệ”) | [ADD-01] | Fail |  |  |
| [UA-14] | Test Add Admin validate | Go to Update Admin page  Input into Phone field with the number string is out of rank 10 - 12  Clicks “Chỉnh sửa” button | Display alert to request user input valid inform:  Phone(“Vui lòng nhập Số điện thoại hợp lệ”) | [ADD-01] | Fail |  |  |

# **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 Aesthtic 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

## **Submission CheckList**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 Aesthtic 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**