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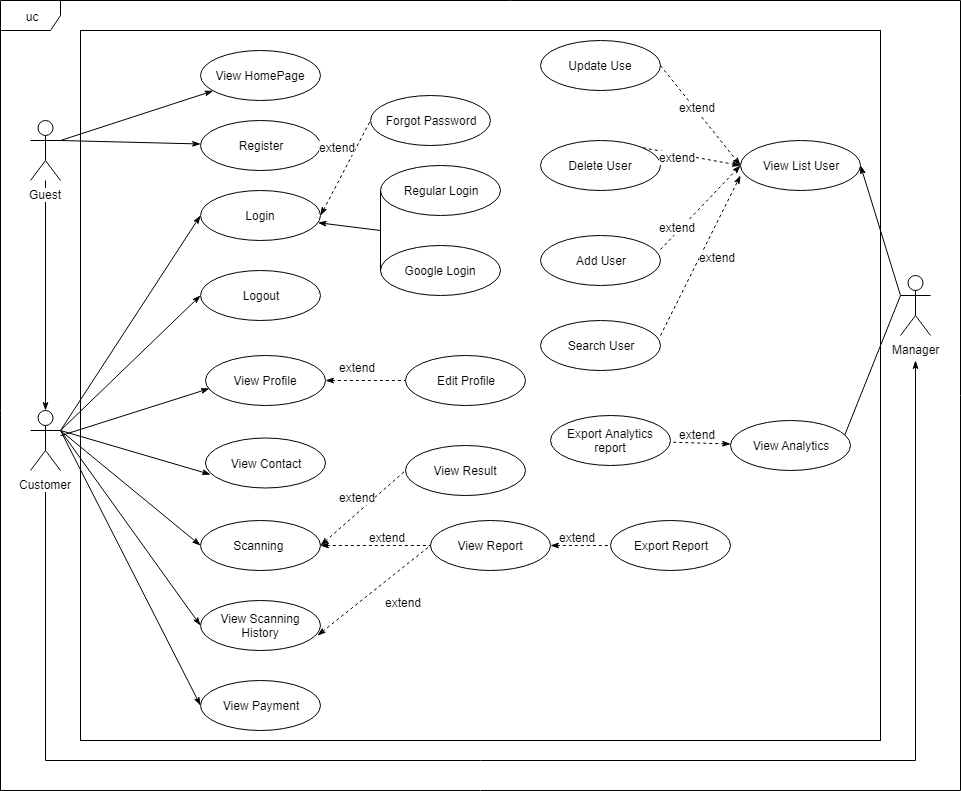
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| **FPT UNIVERSITY** |
| **SOFTWARE REQUIREMENT SPECIFICATION** |
| Internet-connected Devices Checking System |
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| |  |  |  | | --- | --- | --- | | **IDCS TEAM** | | | | **Group Members** | Nguyễn Quý Đôn | SE04468 | | Nguyễn Quý Tuấn | SE04330 | | Phạm Công Minh | SE04098 | | **Supervisor** | Lecture : Phan Duy Hùng | | |
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| - Hanoi, 10/2019 - |

1. ***Purpose***

This chapter provides the describing of functional requirements and non-functional requirements. These requirements assure that the system will correctly and reliably perform its intended functionality. This specification provides general, as well as specific requirements to be used in the design, testing and validation of the system.

1. ***Functional Requirements***
   1. ***Use Case Diagram***



* 1. ***Business Rules***

|  |  |
| --- | --- |
| No | Description |
| B01 | Full Name cannot be empty |
| B02 | Email cannot be empty |
| B03 | Phone Number cannot be empty |
| B04 | Password cannot be empty |
| B05 | Phone Number must have from 10 to 11 digits |
| B06 | Email address must be valid form |
| B07 | Each email address may be used for only one account |
| B08 | Password must contains at least 6 character |
| B09 | Repeat password must match with password |
| B10 | New Password must different from current password |
| B11 | Scanning target not valid domain form or IP. |
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* 1. ***Use Case***

|  |  |
| --- | --- |
| Actor | Description |
| Guest | Anyone who does not have an account. |
| Manager | A person with the highest permission level and id responsible for managing the website. |
| Customer | Anyone who has an account |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Primary Actor | Secondary Actor | Function | Assignee |
| UC-01 | Guest | Customer, Manager | View Home Page | TuanNQ |
| UC-02 | Guest | N/A | Register | TuanNQ |
| UC-03 | Customer | Manager | Login | TuanNQ |
| UC-04 | Customer | Manager | Regular Login | TuanNQ |
| UC-05 | Customer | Manager | Google Login | TuanNQ |
| UC-06 | Customer | Manager | Forgot Password | TuanNQ |
| UC-07 | Customer | Manager | Logout | TuanNQ |
| UC-08 | Customer | Manager | View Profile | TuanNQ |
| UC-09 | Customer | Manager | Edit Profile | TuanNQ |
| UC-10 | Customer | Manager | View Payment and Contact | TuanNQ |
| UC-11 | Customer | Manager | Scanning | TuanNQ |
| UC-12 | Customer | Manager | View Result | TuanNQ |
| UC-13 | Customer | Manager | View Report | TuanNQ |
| UC-14 | Customer | Manager | Export Reports | TuanNQ |
| UC-15 | Customer | Manager | View Scanning History | TuanNQ |
| UC-16 | Manager | N/A | View List User | TuanNQ |
| UC-17 | Manager | N/A | Search User | TuanNQ |
| UC-18 | Manager | N/A | Update User Information | TuanNQ |
| UC-19 | Manager | N/A | Delete User | TuanNQ |
| UC-20 | Manager | N/A | Add User | TuanNQ |
| UC-21 | Manager | N/A | View Analytics | TuanNQ |

* + 1. ***Guest***
       1. ***View Home Page***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-01 | | |
| **Use Case Name** | View Home Page | | |
| **Creator** | TuanNQ | Date Create | 22/10/2019 |
| **Version** | 1.0 | Last Update | 22/10/2019 |
| **Primary Actor** | Guest | Secondary Actor | Customer, Manager |
| **Description** | View the homepage of the website | | |
| **Pre-conditions** | User is currently not logged in | | |
| **Post-conditions** | The homepage of the website is displayed | | |
| **Normal Flow** | 1. User enter the URL of the website 2. The system, the result response is the homepage of website | | |
| **Alternative Flow** | 1. User click website’s logo 2. The system, the result response is the homepage of website | | |
| **Exceptions** | N/a | | |
| **Priority** | High | | |
| **Frequency of Use** | High | | |
| **Business Rules** | N/A | | |
| **Other Information** | N/A | | |

* + - 1. ***Register***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-02 | | |
| **Use Case Name** | Register | | |
| **Creator** | TuanNQ | Date Create | 22/10/2019 |
| **Version** | 1.0 | Last Update | 22/10/2019 |
| **Primary Actor** | Guest | Secondary Actor |  |
| **Description** | Create a new account | | |
| **Pre-conditions** | * User is currently not logged in | | |
| **Post-conditions** | * The account is added to the system * User is automatically logged into the system * User is redirected to Login Page | | |
| **Normal Flow** | 1. From the homepage, user click on button “Login”. 2. The system will load the Login page. 3. From the Login page, user click on “Sign Up” link. 4. User fills information into the required form. 5. User click button “Sign Up”. 6. The system will verification email is sent to user’s email. 7. User clicks to hyperlink in email. 8. The system display a message: “Successfully, you can login to system.” | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | EXC1: At step 4 of normal flow, user leaves Full Name blank, then proceeds to step 5.  The system displays the error message “Name is required”. User is not registered.  EXC2: At step 4 of normal flow, user leaves Email blank, then proceeds to step 5.  The system displays the error message “Email is required”. User is not registered.  EXC3: At step 4 of normal flow, user leaves Phone Number blank, then proceeds to step 5.  The system displays the error message “Phone Number is required”. User is not registered.  EXC4: At step 4 of normal flow, user leaves Password blank, then proceeds to step 5.  The system displays the error message “Password is required”. User is not registered.  EXC5: At step 4 of normal flow, user leaves Repeat Password, then proceeds to step 5.  The system displays the error message “Repeat Password is required”. User is not registered.  EXC6: At step 4 of normal flow, user enter Repeat Password not match Password, then proceeds to step 5.  The system displays the error message “Confirm Password does not match”.  EXC7: At step 4 of normal flow, user enter Password that below 6 character, then proceeds to step 5  The system displays the error message “Password must contain at least 6 character”  EXC8: At step 4 of normal flow, user enter Phone Number not match valid format, then proceeds to step 5  The system displays the error message “Invalid Phone Number, Phone Number must have 10 to 11 digits”.  EXC9: At step 4 of normal flow, user enter email that already exists in the system.  EXC10: At step 4 of normal flow, user enter invalid email. | | |
| **Priority** | High | | |
| **Frequency of Use** | High | | |
| **Business Rules** | B01, B02, B03, B04, B05, B06, B07, B08, B09. | | |
| **Other Information** | N/A | | |

* + 1. ***Customer***
       1. ***Login***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-03 | | |
| **Use Case Name** | Login | | |
| **Creator** | TuanNQ | Date Create | 23/10/2019 |
| **Version** | 1.0 | Last Update | 23/10/2019 |
| **Primary Actor** | Customer | Secondary Actor | Manager |
| **Description** | View the Login Page of the website | | |
| **Pre-conditions** | User is currently not logged in | | |
| **Post-conditions** | The Login page of the website is displayed | | |
| **Normal Flow** | 1. From the homepage, user click on button “Login”. 2. The system will load the Login page. | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | N/a | | |
| **Priority** | High | | |
| **Frequency of Use** | High | | |
| **Business Rules** | N/A | | |
| **Other Information** | N/A | | |

* + - 1. ***Regular Login***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-04 | | |
| **Use Case Name** | Regular Login | | |
| **Creator** | TuanNQ | Date Create | 23/10/2019 |
| **Version** | 1.0 | Last Update | 23/10/2019 |
| **Primary Actor** | Customer | Secondary Actor | Manager |
| **Description** | Login an account using username and password. | | |
| **Pre-conditions** | 1. User can access the system. 2. User has already registered an account. 3. User is currently not logged into the system. | | |
| **Post-conditions** | 1. User is currently not logged in. 2. User is redirected to Homepage. | | |
| **Normal Flow** | 1. From the Login Page, User enter email and password. 2. User click “Login” button. 3. The system checks your input data. If user entered true, user will be login successful. 4. The system redirects user to the Homepage | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | EXC1: At step 1 of normal flow, user leaves email blank, then proceeds to step 2.  The system displays the error message “Email is required”. User is not logged in.  EXC2: At step 2 of normal flow, user leaves password blank, then proceeds to step 2.  The system displays the error message “Password is required”. User is not logged in.  EXC3: At step 2 of normal flow, user enters invalid login credentials, then proceeds to step 2. | | |
| **Priority** | High | | |
| **Frequency of Use** | High | | |
| **Business Rules** | B02, B04, B06 | | |
| **Other Information** | N/A | | |

* + - 1. ***Google Login***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-05 | | |
| **Use Case Name** | Google Login | | |
| **Creator** | TuanNQ | Date Create | 23/10/2019 |
| **Version** | 1.0 | Last Update | 23/10/2019 |
| **Primary Actor** | Customer | Secondary Actor | Manager |
| **Description** | Login an account using Google Sign-In | | |
| **Pre-conditions** | 1. User can access the system. 2. User has already registered an account. 3. User is currently not logged into the system. | | |
| **Post-conditions** | 1. User is currently not logged in. 2. User is redirected to Homepage. | | |
| **Normal Flow** | 1. From the Login Page, User click “Sign in with google”. 2. The system shows Google Account pop-up. 3. User choose Google account want to login. 4. The system checks your authentication. If this true, user will be login successful. | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | EXC1: At step 3 of normal flow, user choose Google account not registered in the system  The system displays the error message “Login Failed, this email not register in the system, please sign in”. User is not logged in. | | |
| **Priority** | High | | |
| **Frequency of Use** | High | | |
| **Business Rules** | N/A | | |
| **Other Information** | N/A | | |

* + - 1. ***Forgot Password***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-06 | | |
| **Use Case Name** | Forgot Password | | |
| **Creator** | TuanNQ | Date Create | 23/10/2019 |
| **Version** | 1.0 | Last Update | 23/10/2019 |
| **Primary Actor** | Customer | Secondary Actor | Manager |
| **Description** | User creates new password | | |
| **Pre-conditions** | 1. User must be at the Login Page. | | |
| **Post-conditions** | 1. User create new password 2. User is currently not logged in | | |
| **Normal Flow** | 1. On the Login Page, user click “Forgot Password?” hyperlink. 2. The system proceeds, user will be redirected to Forgot Password Page. 3. Enter your name, your registered email and Click “Submit” button. 4. The system display a message “We will send new password to your email. Please check your email in 24 hours”. 5. In your email, there will be a confirmation link that you forgot password and want to change your password. 6. The system, user will be redirected to the “Forgot Password Page”. 7. User enters new password and re-enter new password in the corresponding text box. 8. User click “Submit” button. 9. The system updates user’s new password and display home page. | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | EXC1: At step 3 of normal flow, user leaves Name blank, then proceeds to step 4  The system displays the error message “Please fill out this field” on bottom of your Name text box.  EXC2: At step 3 of normal flow, user leaves Email blank, then proceeds to step 4  The system displays the error message “Please fill out this field” on bottom of your Email text box.  EXC3: At step 3 of normal flow, user entered invalid email form, then proceeds to step 4  The system displays the error message “Invalid Email, please enter valid email form”.  EXC4: At step 3 of normal flow, user entered email not exist in the system.  The system displays the error message “Can’t find this email, please enter another one.”  EXC5: At step 7 of normal flow, user leaves Password blank, then proceeds to step 8.  The system displays the error message “Password is required”. User is not registered.  EXC6: At step 7 of normal flow, user leaves Repeat Password, then proceeds to step 8.  The system displays the error message “Repeat Password is required”. User is not registered.  EXC7: At step 7 of normal flow, user enter Repeat Password not match Password, then proceeds to step 8.  The system displays the error message “Confirm Password does not match”.  EXC8: At step 7 of normal flow, user enter Password that below 6 character, then proceeds to step 8.  The system displays the error message “Password must contain at least 6 character” | | |
| **Priority** | High | | |
| **Frequency of Use** | Low | | |
| **Business Rules** | B01, B02, B04, B06, B08, B09 | | |
| **Other Information** | N/A | | |

* + - 1. ***Logout***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-07 | | |
| **Use Case Name** | Logout | | |
| **Creator** | TuanNQ | Date Create | 23/10/2019 |
| **Version** | 1.0 | Last Update | 23/10/2019 |
| **Primary Actor** | Customer | Secondary Actor | Manager |
| **Description** | Log out of the account | | |
| **Pre-conditions** | 1. User accesses the system. 2. User is currently logged in. | | |
| **Post-conditions** | 1. User is logged out of the system. 2. The system show Login Page Screen. | | |
| **Normal Flow** | 1. From the Website header, user move cursor to top right corner, with the user’s personal name. 2. User click “Logout”. 3. User will redirected to the Login page. | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | N/a | | |
| **Priority** | Medium | | |
| **Frequency of Use** | Medium | | |
| **Business Rules** | N/A | | |
| **Other Information** | N/A | | |

* + - 1. ***View Profile***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-08 | | |
| **Use Case Name** | View Profile | | |
| **Creator** | TuanNQ | Date Create | 23/10/2019 |
| **Version** | 1.0 | Last Update | 23/10/2019 |
| **Primary Actor** | Customer | Secondary Actor | Manager |
| **Description** | View personal profile | | |
| **Pre-conditions** | 1. User accesses the system. 2. User is currently logged in. | | |
| **Post-conditions** | 1. System displays the User Infomation page. | | |
| **Normal Flow** | 1. From the Website header, user move cursor to top right corner, with the user’s personal name. 2. User click “User Information”. 3. User will redirected to the User Information page. | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | N/a | | |
| **Priority** | Medium | | |
| **Frequency of Use** | Medium | | |
| **Business Rules** | N/A | | |
| **Other Information** | N/A | | |

* + - 1. ***Edit Profile***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-9 | | |
| **Use Case Name** | Edit Profile | | |
| **Creator** | TuanNQ | Date Create | 23/10/2019 |
| **Version** | 1.0 | Last Update | 23/10/2019 |
| **Primary Actor** | Customer | Secondary Actor | Manager |
| **Description** | View Payment and Contact Information | | |
| **Pre-conditions** | 1. User accesses the system. 2. User is currently logged in. | | |
| **Post-conditions** | 1. System update user profile information. | | |
| **Normal Flow** | 1. From the Website header, user move cursor to top right corner, with the user’s personal name. 2. User click “User Information”. 3. User will redirected to the User Information page. 4. User input Full Name if want to update. 5. User input Email if want to update. 6. User input Phone Number if want to update. 7. User input Password. 8. User input New Password if want to change password. 9. User click “Update” button. | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | EXC1: At step 4, Full Name cannot blank.  EXC2: At step 5, Email cannot blank and cannot curren exist in system.  EXC3: At step 6, Phone Number cannot blank.  EXC4: At step 7, Password must match current Password.  EXC5: At step 8, New Password must difference current password | | |
| **Priority** | Medium | | |
| **Frequency of Use** | Medium | | |
| **Business Rules** | B01, B02, B03, B04, B05, B06, B07, B10 | | |
| **Other Information** | N/A | | |

* + - 1. ***View Payment and Contact***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-10 | | |
| **Use Case Name** | View Payment and Contact | | |
| **Creator** | TuanNQ | Date Create | 23/10/2019 |
| **Version** | 1.0 | Last Update | 23/10/2019 |
| **Primary Actor** | Customer | Secondary Actor | Manager |
| **Description** | View Payment and Contact Information | | |
| **Pre-conditions** | 1. User accesses the system. 2. User is currently logged in. | | |
| **Post-conditions** | 1. System displays payment and contact information. | | |
| **Normal Flow** | 1. From the Website header, user move cursor to top right corner, with the user’s personal name. 2. User click “Payment”. 3. User will redirected to the Payment Information page. | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | N/a | | |
| **Priority** | Medium | | |
| **Frequency of Use** | Medium | | |
| **Business Rules** | N/A | | |
| **Other Information** | N/A | | |

* + - 1. ***Scanning***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-11 | | |
| **Use Case Name** | Scanning | | |
| **Creator** | TuanNQ | Date Create | 23/10/2019 |
| **Version** | 1.0 | Last Update | 23/10/2019 |
| **Primary Actor** | Customer | Secondary Actor | Manager |
| **Description** | Scanning domain or IP target | | |
| **Pre-conditions** | 1. User accesses the system. 2. User is currently logged in. 3. Users have remaining uses. | | |
| **Post-conditions** | 1. System scan target. | | |
| **Normal Flow** | 1. From the Home page, user enter domain or IP need to scan. 2. Click “Scan” button. 3. The system scan target. | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | EXC1: At step 1 of normal flow, user enter invalid domain form or IP.  The system displays the error message “Domain or IP must valid form”. | | |
| **Priority** | High | | |
| **Frequency of Use** | High | | |
| **Business Rules** | B11 | | |
| **Other Information** | N/A | | |

* + - 1. ***View Result***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-12 | | |
| **Use Case Name** | View Result | | |
| **Creator** | TuanNQ | Date Create | 23/10/2019 |
| **Version** | 1.0 | Last Update | 23/10/2019 |
| **Primary Actor** | Customer | Secondary Actor | Manager |
| **Description** | View result of scanning target | | |
| **Pre-conditions** | 1. User accesses the system. 2. User is currently logged in. 3. Users have click “Scan” button. | | |
| **Post-conditions** | 1. System show result of target. | | |
| **Normal Flow** | 1. System show popup “Scan successfully, do you want see result?”. 2. User click “Show Result” button. 3. User will directed to Result page. | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | N/a | | |
| **Priority** | High | | |
| **Frequency of Use** | High | | |
| **Business Rules** | N/a | | |
| **Other Information** | N/a | | |

* + - 1. ***View Report***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-13 | | |
| **Use Case Name** | View Report | | |
| **Creator** | TuanNQ | Date Create | 23/10/2019 |
| **Version** | 1.0 | Last Update | 23/10/2019 |
| **Primary Actor** | Customer | Secondary Actor | Manager |
| **Description** | View report of scanning target | | |
| **Pre-conditions** | 1. User accesses the system. 2. User is currently logged in. | | |
| **Post-conditions** | 1. System show report of target. | | |
| **Normal Flow** | 1. On Show Result page, user click “View report” button. 2. User will directed to View Report page. | | |
| **Alternative Flow** | 1. On Scanning History, user click “View Report” button on the right of history you want. 2. User will directed to View Report page. | | |
| **Exceptions** | N/a | | |
| **Priority** | High | | |
| **Frequency of Use** | High | | |
| **Business Rules** | N/a | | |
| **Other Information** | N/a | | |

* + - 1. ***Export Report***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-14 | | |
| **Use Case Name** | Export Report | | |
| **Creator** | TuanNQ | Date Create | 23/10/2019 |
| **Version** | 1.0 | Last Update | 23/10/2019 |
| **Primary Actor** | Customer | Secondary Actor | Manager |
| **Description** | Export report to customer. | | |
| **Pre-conditions** | 1. User accesses the system. 2. User is currently logged in. 3. Users in View Report page. | | |
| **Post-conditions** | 1. Report downloaded Report. | | |
| **Normal Flow** | 1. On View Report page, user click “Export Report” button. 2. User choose type of report. 3. Click “Export Button”. | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | N/a | | |
| **Priority** | High | | |
| **Frequency of Use** | High | | |
| **Business Rules** | N/a | | |
| **Other Information** | N/a | | |

* + - 1. ***View Scanning History***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-15 | | |
| **Use Case Name** | View Scanning History | | |
| **Creator** | TuanNQ | Date Create | 23/10/2019 |
| **Version** | 1.0 | Last Update | 23/10/2019 |
| **Primary Actor** | Customer | Secondary Actor | Manager |
| **Description** | View scanning history of customer | | |
| **Pre-conditions** | 1. User accesses the system. 2. User is currently logged in. | | |
| **Post-conditions** | 1. User view scanning history | | |
| **Normal Flow** | 1. From the Website header, user move cursor to top right corner, with the user’s personal name. 2. User click “History” button. 3. User will directed to History page. | | |
| **Alternative Flow** | 1. Form center of Website, user click “Last Check” hyperlink 2. User will directed to History page with date sort | | |
| **Exceptions** | N/a | | |
| **Priority** | Medium | | |
| **Frequency of Use** | Medium | | |
| **Business Rules** | N/a | | |
| **Other Information** | N/a | | |

* + 1. ***Manager***
       1. ***View List User***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-16 | | |
| **Use Case Name** | View List User | | |
| **Creator** | TuanNQ | Date Create | 24/10/2019 |
| **Version** | 1.0 | Last Update | 24/10/2019 |
| **Primary Actor** | Manager | Secondary Actor | N/A |
| **Description** | View list user in system | | |
| **Pre-conditions** | 1. User accesses the system. 2. User is currently logged in with admin account sufficient privileges. | | |
| **Post-conditions** | 1. View list user in system. | | |
| **Normal Flow** | 1. From the Website header, user move cursor to top right corner, with the user’s personal name. 2. User click “Manage” button. 3. User will directed to List User page. | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | N/a | | |
| **Priority** | Medium | | |
| **Frequency of Use** | Medium | | |
| **Business Rules** | N/a | | |
| **Other Information** | N/a | | |

* + - 1. ***Search User***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-17 | | |
| **Use Case Name** | Search User | | |
| **Creator** | TuanNQ | Date Create | 24/10/2019 |
| **Version** | 1.0 | Last Update | 24/10/2019 |
| **Primary Actor** | Manager | Secondary Actor | N/A |
| **Description** | Search user in system | | |
| **Pre-conditions** | 1. User accesses the system. 2. User is currently logged in with admin account sufficient privileges. | | |
| **Post-conditions** | 1. The search result for words is displayed the course. | | |
| **Normal Flow** | 1. From the Website header, user move cursor to top right corner, with the user’s personal name. 2. User click “Manage” button. 3. User will directed to List User page. 4. In the Search text box on top, enter the text you want to search. 5. User click “Search” button. 6. The system displays User’s name which user need to search. | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | N/a | | |
| **Priority** | Medium | | |
| **Frequency of Use** | Medium | | |
| **Business Rules** | N/a | | |
| **Other Information** | N/a | | |

* + - 1. ***Update User Information***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-18 | | |
| **Use Case Name** | Update User Information | | |
| **Creator** | TuanNQ | Date Create | 24/10/2019 |
| **Version** | 1.0 | Last Update | 24/10/2019 |
| **Primary Actor** | Manager | Secondary Actor | N/A |
| **Description** | Update user is selected | | |
| **Pre-conditions** | 1. User accesses the system. 2. User is currently logged in with admin account sufficient privileges. 3. User is existed | | |
| **Post-conditions** | 1. This selected user is updated | | |
| **Normal Flow** | 1. From the Website header, user move cursor to top right corner, with the user’s personal name. 2. User click “Manage” button. 3. User will directed to List User page. 4. User click to a user and click icon update. 5. System redirect to update user page. 6. User input information which user want to update 7. User input reason. 8. User click “Update” button | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | At step 6 cannot input blank information. | | |
| **Priority** | Medium | | |
| **Frequency of Use** | Medium | | |
| **Business Rules** | N/a | | |
| **Other Information** | N/a | | |

* + - 1. ***Delete User***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-19 | | |
| **Use Case Name** | Delete User | | |
| **Creator** | TuanNQ | Date Create | 24/10/2019 |
| **Version** | 1.0 | Last Update | 24/10/2019 |
| **Primary Actor** | Manager | Secondary Actor | N/A |
| **Description** | Delete user is selected | | |
| **Pre-conditions** | 1. User accesses the system. 2. User is currently logged in with admin account sufficient privileges. 3. User is existed | | |
| **Post-conditions** | 1. Store is selected is delete | | |
| **Normal Flow** | 1. From the Website header, user move cursor to top right corner, with the user’s personal name. 2. User click “Manage” button. 3. User will directed to List User page. 4. User click to a user and click icon delete. 5. System display dialog confirm delete. 6. User click “OK” to delete user. | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | N/a | | |
| **Priority** | Medium | | |
| **Frequency of Use** | Medium | | |
| **Business Rules** | N/a | | |
| **Other Information** | N/a | | |

* + - 1. ***Add User***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-20 | | |
| **Use Case Name** | Add new User | | |
| **Creator** | TuanNQ | Date Create | 24/10/2019 |
| **Version** | 1.0 | Last Update | 24/10/2019 |
| **Primary Actor** | Manager | Secondary Actor | N/A |
| **Description** | Create success new User in system. | | |
| **Pre-conditions** | 1. User accesses the system. 2. User is currently logged in with admin account sufficient privileges. | | |
| **Post-conditions** | 1. This selected user is updated | | |
| **Normal Flow** | 1. From the Website header, user move cursor to top right corner, with the user’s personal name. 2. User click “Manage” button. 3. User will directed to List User page. 4. User click to a user and click icon create. 5. System redirect to create user page. 6. User input Name. 7. User input Email. 8. User input Phone Number. 9. User click button “Create”. | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | ECX1: At step 6 cannot blank.  ECX2: At step 7 cannot blank and cannot duplicate with email created before. | | |
| **Priority** | Medium | | |
| **Frequency of Use** | Medium | | |
| **Business Rules** | B01, B02, B06, B07 | | |
| **Other Information** | N/a | | |

* + - 1. ***View Website Analytics***

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | UC-21 | | |
| **Use Case Name** | View Website Analytics | | |
| **Creator** | TuanNQ | Date Create | 24/10/2019 |
| **Version** | 1.0 | Last Update | 24/10/2019 |
| **Primary Actor** | Manager | Secondary Actor | N/A |
| **Description** | View analytics of website include total view, total scan. | | |
| **Pre-conditions** | 1. User accesses the system. 2. User is currently logged in with admin account sufficient privileges. | | |
| **Post-conditions** | 1. This selected user is updated | | |
| **Normal Flow** | 1. From the Website header, user move cursor to top right corner, with the user’s personal name. 2. User click “Analytics” button. 3. User will directed to Website Analytics page. | | |
| **Alternative Flow** | N/a | | |
| **Exceptions** | N/a | | |
| **Priority** | Medium | | |
| **Frequency of Use** | Medium | | |
| **Business Rules** | N/a | | |
| **Other Information** | N/a | | |