##### <Staff> Create Product

**Use case diagram**

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Figure: <Staff> Create Product

**Use case Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Create Product | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | High |
| **Actor:**   * Staff.   **Summary:**   * This use case allows staff to input product manually.   **Goal:**   * New product will be added to the database.   **Triggers:**   * Staff wants to input new product manually. * To input product manually, staff must do the following steps:   + Click “Quản lý sản phẩm” in the menu.   + Click “Tạo sản phẩm” button.   **Preconditions:**   * User must log in the system with staff role.   **Post Conditions:**   * **Success**: New product will be added to the database. * **Fail:** Product is not added to the database. Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click “Tạo sản phẩm” button. | Navigate to “Tạo sản phẩm” page which contains:   * Tên sản phẩm: textbox (min length: 5, max length: 50), required. * Tên Hãng: dropdown box. * Chi tiết: rich textbox. * “Thêm sản phẩm” button. * “Hủy” button. | | 2 | Enter information into text fields.  Click “Thêm sản phẩm” button to finish. [Alternative 1] | System will add product to database.  A new product will be displayed in list product page. Then, redirect to list product page. [Exception 1, 2] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Hủy” button to finish. | No product is added. System will return back to list product page. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | “Tên sản phẩm” is not in range [5, 50]. | Display error message: “Tên sản phẩm phải từ 5 đến 50 ký tự”. | | 2 | “Tên sản phẩm” is a blank. | Display error message: “Vui lòng nhập Tên sản phẩm”. |   **Relationships:** Manage Product.  **Business Rules:**   * When staff clicks “thêm sản phẩm”, system will save product into database. | | | |

##### <Staff> Update Product

**Use case diagram**



Figure: <Staff> Update Product

**Use case Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** |  |
| **Use Case Name** | Update Product | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | Normal |
| **Actor:**   * Staff.   **Summary:**   * This use case allows staff to update product information.   **Goal:**   * New information will be updated to selected product.   **Triggers:**   * Staff wants to change product information. * To change product information, staff must do the following steps:   + Choose “Quản lý sản phẩm” in sidebar menu.   + Click “Danh sách sản phẩm” sub-menu.   + Click at product.   + Change information.   + Click “Cập nhật” button to save new data to database.   **Preconditions:**   * User must log in the system with staff role. * There is at least one product in the database.   **Post Conditions:**   * **Success**: New information will be updated to selected product. * **Fail:** Product is not updated. Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click “Danh sách sản phẩm” sub-menu. | Navigate to “Danh sách sản phẩm” page which contains:   * A table has 6 columns:   + Số thứ tự.   + Mã Sản phẩm   + Tên sản phẩm.   + Tên Hãng.   + Chi tiết   + Trạng Thái * A drop down list:   + Tìm kiếm bằng tên  + Tìm kiếm bằng hang   * Search: text box. * Tìm kiếm: button | | 2 | Click at any product name. | Navigate to “Thông tin sản phẩm” page which contains:   * Tên sản phẩm: textbox, min length: 5, max length: 50, required. * Tên Hãng: drop down box. * Chi Tiết: rich textbox. * Cập nhật: button. | | 3 | Update new data. Click “Cập nhật” button. | Save new data to the database. Redirect to “Quản lý sản phẩm” page.[Exception 1, 2] |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | “Tên sản phẩm” is not in range [5, 50]. | Display error message: “Tên sản phẩm phải từ 5 đến 50 ký tự”. | | 2 | “Tên sản phẩm” is a blank. | Display error message: “Vui lòng nhập tên sản phẩm”. |   **Relationships:** Manage Product.  **Business Rules:** When staff clicks “cập nhật” button. This product will be update information in database. | | | |

1. **<Staff> Deactivate Product**

Use Case Diagram



Figure … : <Staff> Deactivate Product

Use Case Specification

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Deactivate Product | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | Normal |
| **Actor:**   * Staff.   **Summary:**   * This use case allows staff to deactivate product.   **Goal:**   * Selected product will be deactivated.   **Triggers:**   * Staff wants to deactivate a product in the system. * To deactivate a product, staff must do the following steps:   + Choose “Quản lý sản phẩm” in sidebar menu.   + Click “Danh sách sản phẩm” sub-menu.   + Uncheck any activated product.   **Preconditions:**   * User must log in the system with staff role. * There are least one product activated in database.   **Post Conditions:**   * **Success**: Selected product will be deactivated. * **Fail:** Status of product is not change to Deactivate. Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click “Danh sách sản phẩm” sub-menu. | Navigate to “Danh sách sản phẩm” page which contains:   * A table has 6 columns:   + Số thứ tự.   + Mã Sản phẩm   + Tên sản phẩm.   + Tên Hãng.   + Chi tiết   + Trạng thái * A drop down list:   + Tìm kiếm bằng tên  + Tìm kiếm bằng hang   * Search: textbox * Tìm kiếm: button. | | 2 | Uncheck any active product. | Deactivate selected product. Show success message.  [Exception 1] |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Cannot deactivate product due to database connection problem | Show error message: “Thao tác thất bại. Vui lòng thử lại sau!” |   **Relationships:** Manage Product.  **Business Rules:** When staff clicks “Deactivate” status of this product will be changed Activate to Deactivate at column “Trạng thái”. | | | |

##### <Staff> Activate Product

Use Case Diagram



Figure … : <Staff> Activate Product

Use Case Specification

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Activate Product | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | Normal |
| **Actor:**   * Staff.   **Summary:**   * This use case allows staff to activate product.   **Goal:**   * Selected product will be activated.   **Triggers:**   * Staff wants to activate a product in the system. * To deactivate a product, staff must do the following steps:   + Choose “Quản lý sản phẩm” in sidebar menu.   + Click “Danh sách sản phẩm” sub-menu.   + Check any deactivated product.   **Preconditions:**   * User must log in the system with staff role. * There are least product deactivated in database.   **Post Conditions:**   * **Success**: Selected product will be activated. * **Fail:** Status of product is not changed to Activate. Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click “Danh sách sản phẩm” sub-menu. | Navigate to “Danh sách sản phẩm” page which contains:   * A table has 6 columns:   + Số thứ tự.   + Mã Sản phẩm   + Tên sản phẩm.   + Tên Hãng.   + Chi tiết   + Trạng thái * A drop down list:   + Tìm kiếm bằng tên.  + Tìm kiếm bằng hang.   * Search: textbox * Tìm kiếm: button | | 2 | Check any deactived product. | Activate selected product. Show success message.  [Exception 1] |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Cannot activate product due to database connection problem | Show error message: “Thao tác thất bại. Vui lòng thử lại sau!” |   **Relationships:** Manage Product.  **Business Rules:** When staff clicks “Activate”, status of this product will be changed Deactive to Activate at column “Trạng thái”. | | | |

1. **<Admin> Notify**

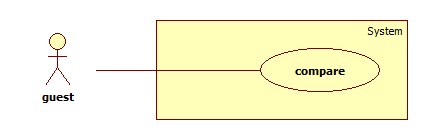
**Use case Diagram**

**Use case Diagram Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Notify | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | High |
| **Actor:**   * Admin.   **Summary:**   * This use case allows admin to confirm to send notify to user.   **Goal:**   * Notify is sent to user successfully.   **Triggers:**   * Product which has trained, will require to send to user. * To Send notify, admin must do the following step:   + Choose “Thông báo” in slide bar menu.  + Choose a notify that admin want to send to user.   * + Click “Xác nhận” button.   **Preconditions:**   * User must log in the system with admin role.   **Post Conditions:**   * **Success**: Notify will be sent to user. * **Fail:** Notify sent fail. Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click “Thông báo” menu. | Navigate to “Thông báo” page which contains:   * A table with 3 columns :   +Tên tài khoản.  + Nội dung.  + Trạng thái | |  | Click notify to send to user. | Show alert with contains:   * Xác nhận: button * Hủy: button | | 2 | Click “Xác nhận” button to finish. [Alternative 1] | Notify will be sent to user. Then, redirect to notify page. [Exception 1] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Hủy” button to finish. | Notify will be not sent. System will return back to notify page. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Cannot send notify due to database connection. | Notify will be not sent to user. |     **Relationships:** Train machine.  **Business Rules:**   * When admin send notify, it will show as message to user. Then user can check that product again. | | | |

1. **<Guest> Compare Product**

**Use case Diagram**

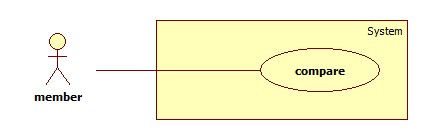
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**Use case Diagram Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Compare product | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | Normal |
| **Actor:**   * **Guest**   **Summary:**   * This use case allows guest to compare products on website.   **Goal:**   * Guest compare products in cart successfully.   **Triggers:**   * When cart has least 1 product, Guest clicks “so sánh” button.   **Preconditions:**   * In cart must has least 1 product.   **Post Conditions:**   * **Success**: Show table compare least 2 products. * **Fail:** Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | - Guest adds 1 product to cart.  - Guest clicks “So Sánh” button. | Negative to “So sánh” page with contains:   * Comparison table with information:   + Product which is added to cart.  + A product in database has same weight points with one in cart.  + Product which is winner, which is (are) runner-up.  [exception 1] | | 2 | -Guest adds 2 or more products to cart  -Guest clicks “So sánh” button. | Negative to “So sánh” page with contains:   * Comparison table with result: Product which is winner and which is (are) runner-up in cart.   [exception 1] |   **Alternative Scenario:**  N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Cannot compare product due to database connection. | Show error message: ”Thao tác thất bại”. |   **Relationships:** Add to cart  **Business Rules:** when guest clicks “So sánh” button, “So sánh” page will show in 2 cases:   * Case 1: Result table of 1 product in guest’s cart and 1 product in database. * Case 2: Result table of products in guest’s cart | | | |

1. **<Member> Compare Product**

**Use case Diagram**

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**Use case Diagram Specification**

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| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Compare product | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | Normal |
| **Actor:**   * Member.   **Summary:**   * This use case allows member to compare products on website.   **Goal:**   * Member compare products in cart successfully.   **Triggers:**   * When cart has least 1 product, member clicks “so sánh” button.   **Preconditions:**   * In cart must has least 1 product.   **Post Conditions:**   * **Success**: Show table compare least two products. * **Fail:** Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | * Member adds 1 product to cart * Member clicks “So sánh” button. | Negative to “So sánh” page with contains:   * Comparison table with information:   + Product which is added to cart.  + A product in database has same weight points with one in cart.  + Product which is winner, which is (are) runner-up.  + Show Point of products.  + Show recommend as list of product(s).  [Exception 1] | | 2 | * Member adds 2 or more products to cart * Member clicks “So sánh” button. | Negative to “So sánh” page with contains:   * Comparison table with information:   + Product which is winner and which is (are) runner-up in cart.  + Show Point of products.  + Show recommend as list of product(s).  [Exception 1] |   **Alternative Scenario:**  N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Cannot compare product due to database connection. | Show error message: ”Thao tác thất bại”. |   **Relationships:** Add to cart  **Business Rules:** when member clicks “So sánh” button, “So sánh” page will show in 2 cases:   * Case 1: Result table of 1 product in member’s cart and 1 product in database, points of products and show recommend as list of product(s) that similar with product in member’s cart. * Case 2: Result table of products in member’s cart, points of products and show recommend as list of product(s) that similar with product(s) in member’s cart. | | | |

1. **<Authorized user>Log out**

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Figure: <Authorized user> Logout

Use Case Specification

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| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Logout | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | Normal |
| **Actor:**   * Authorized user.   **Summary:**   * This use case allows Authorized user to log out of the system.   **Goal:**   * Authorized user logs out of the system. Authorized user’s current session is destroyed.   **Triggers:**   * Authorized user wants to log out. * Authorized user clicks “Đăng xuất” link.   **Preconditions:**   * Authorized user has logged in to the system.   **Post Conditions:**   * **Success**: Authorized user’s current session is destroyed. Redirect to homepage. * **Fail:** Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Authorized user clicks “Thoát” link. | Show message “Bạn thực sự muốn thoát”   * Xác nhận: button * Hủy: button | | 2 | Authorized user clicks “Xác nhận” button. [Alternative 1] | Destroy Authorized user’s session. Redirect to homepage. [Exception 1] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Authorized user clicks “Hủy” button. | Redirect to home page. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Fail to destroy Authorized user’s session | Redirect to error page. |   **Relationships:** Login  **Business Rules:** When Authorized user clicks “thoát” link, Authorized user’s role will be changed to guest. | | | |

1. **<** **Authorized user> Change Password**

**Use case Diagram**

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**Use case Diagram Specification**

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| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Change Password | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | Normal |
| **Actor:**   * Authorized user.   **Summary:**   * This use case allows Authorized user to change password.   **Goal:**   * Authorized user change password successfully.   **Triggers:**   * Authorized user login to website. * Authorized user clicks “Thay đổi mật khẩu” link.   **Preconditions:** Authorized user has register in to the system.  **Post Conditions:**   * **Success:** New password will be set into new password and save into database. * **Fail:** Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Authorized user clicks “Thay đổi mật khẩu” link. | Show “Thay đổi mật khẩu ” page with includes:   * Mật khẩu cũ: textbox, password box, min length: 6, max length: 20, required. * Mật khẩu mới: textbox, password box, min length: 6, max length: 20, required. * Xác nhận mật khẩu mới: textbox, password box, min length: 6, max length: 20, required. * Thay đổi: button. * Xóa trắng: button. | |  | Authorized user click “Thay đổi” button [Alternative 1] | Show message successful and return to home page. [Exception 1,2, 3,4,5,6] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Authorized user clicks “Xóa trắng” button. | Clear all input fields. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Length of password is not in range. | Show error message: “Độ dài mật khẩu phải từ 6-20 ký tự!” | | 2 | “Mật khẩu cũ” is wrong. | Show error message:”Sai mật khẩu.” | | 3 | “Mật khẩu cũ” is a blank. | Show error message:”Vui lòng nhập mật khẩu” | | 4 | “Mật khẩu mới” is a blank. | Show error message:”Vui lòng nhập mật khẩu mới” | | 5 | “Xác nhận mật khẩu mới” is a blank. | Show error message:”Vui lòng nhập xác nhận mật khẩu mới” | | 6 | “Mật khẩu mới” and “Xác nhận mật khẩu mới” is not similar. | Show error message: “Mật khẩu mới và Xác nhận mật khẩu mới không trùng khớp”. |   **Relationships:** Login.  **Business Rules:**   * New password will be set and save in database. | | | |

1. **<Guest>Register**



Figure: <Guest> Register

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Register | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | Normal |
| **Actor:**   * Guest.   **Summary:**   * This use case allows guest to register.   **Goal:**   * User can register new account to become a member of the system.   **Triggers:**   * Guest wants to be a member of the system. * To register, click “Đăng ký” link in menu bar.   **Preconditions:** N/A.  **Post Conditions:**   * **Success:** New member account is created. * **Fail:** Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Guest clicks “Đăng ký” link. | System show a register form which includes:   * Username: textbox, min length: 6, max length: 30, required. * Password: textbox, password box, min length: 6, max length: 20, required. * Đăng ký: button. * Xóa trắng: button. | | 2 | Guess enters required information, then clicks “Đăng ký” button. [Alternative 1] | Create new member account. Show success message.  [Exception 1,2, 3] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Guest clicks “Xóa trắng” button. | Clear all input fields. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Length of username is not in range. | Show error message: “Độ dài username phải từ 6-30 ký tự!” | | 2 | Length of password is not in range. | Show error message: “Độ dài password phải từ 6-20 ký tự!” | | 3 | Username’s existed already. | Show error message: “Trùng tên đăng nhập! Vui lòng chọn tên khác!” |   **Relationships:** N/A  **Business Rules:**   * The role of new created account is “member”. | | | |

1. **<Guest> Log in**



Figure: <Guest> Login

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Login | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | Normal |
| **Actor:**   * Guest.   **Summary:**   * This use case allows guest to login to the system.   **Goal:**   * Allow authentication and authorization of the system.   **Triggers:**   * Guest want to login into system. * To login: Guests go to the login link, enter username and password, and click “Đăng nhập” button to login.   **Preconditions:**   * Database has an account registered   **Post Conditions:**   * **Success:** Guest is authorized, redirect to corresponding page. * **Fail:** System will show error on current page.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Guest goes to login page. | System show a login form, includes:   * Username: textbox, min length: 6, max length: 30, required. * Password: textbox, password box, min length: 6, max length: 20, required. * Đăng nhập: button. * Hủy: button * Create new account. | | 2 | Guess enter username and password into textboxes.  Press “Đăng nhập” button.[Alternative 1] | * Show message successful * “Ghi nhớ tài khoản”: check box   [Exception 1,2,3,4] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Press “Cancel” button. | Negative to home page. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | “Tên tài khoản” is a blank | Show error message: “Vui lòng điền đủ username và password!” | | 2 | “Mật khẩu” is a blank | Show error message: “Vui lòng điền đủ username và password!” | | 3 | Username/Password not in range [5,30] | Show error message: “Thông tin không hợp lệ. Vui lòng thử lại!” | | 4 | Input invalid “Username” and “Password” | Show error message: “Thông tin không hợp lệ. Vui lòng thử lại!” |   **Relationships:** Register use case.  **Business Rules:**   * Each member, staff, admin has an account. * Only active account can log in. | | | |

1. **<Guest> View Detail**

**Use case Diagram**

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**Use case diagram specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Search Product and View Detail Product | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | High |
| **Actor:**   * Guest.   **Summary:**   * This use case allows guest to search and view product information.   **Goal:**   * A page detail of products will be shown to guest.   **Triggers:**   * Guest inputs to a blank textbox then clicks “Tìm kiếm” button. * Guest inputs URL of product or serial number then they search all products with relative URL or serial number which they inputted. The searching results will show product detail.   **Preconditions:** N/A  **Post Conditions:**   * **Success**: Show search results as a page of product with URL or serial number that guest inputted * **Fail:** Show an error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Guest inputs the product’s URL or serial number into textbox. | Show “Search” page with includes:   * Tìm bằng đường dẫn/ tìm bằng số seri: drop down box * Search: textbox * Tìm kiếm: button | | 2 | Guest clicks “Tìm kiếm” button. | * System will show page detail product by product URL or serial number.[Exception1] |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Search not found | System will show a message: “Không tìm thấy”. |   **Relationships:** N/A  **Business Rules:**   * Search by URL or serial number of product. System will search all products in database. | | | |

1. **<Member> View Detail**

**Use case Diagram**

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**Use case diagram specification**

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| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Search Product and View Detail Product | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | High |
| **Actor:**   * Member.   **Summary:**   * This use case allows member to search and view product information.   **Goal:**   * A page detail of products will be shown to member.   **Triggers:**   * Member inputs to a blank textbox then clicks “Tìm kiếm” button. * Member inputs URL of product or serial number then they search all products with relative URL or serial number which they inputted. The searching results will show product detail.   **Preconditions:** N/A  **Post Conditions:**   * **Success**: Show search results as a page of product with URL or serial number that user inputted * **Fail:** Show an error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Member inputs the product’s URL or serial number into textbox. | Show “Search” page with includes:   * Tìm bằng đường dẫn/ tìm bằng số seri: drop down box * Search: textbox * Tìm kiếm: button | | 2 | User clicks “Tìm kiếm” button. | * System will show page detail product by product URL or serial number.[Exception1] |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Search not found | Show message “Không tìm thấy sản phẩm trong cơ sở dữ liệu, chúng tôi sẽ cập nhật sản phẩm trong thời gian tới. Xin lỗi quý khách vì sự bất tiện này, và sau đây chúng tôi sẽ gợi ý cho quý khách những sản phẩm hiện có và có thể phù hợp với nhu cầu mà quý khách đang tìm kiếm”  Redirect to Suggestion page with some products in database which are similar with product that member want to search |   **Relationships:** N/A  **Business Rules:**   * Search by URL or serial number of product. System will search all products in database. | | | |