##### <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:** Nothing is 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:   * Mã Sản Phẩm: textbox (int, min length: 1, max length: 5), required. * Tên sản phẩm: textbox (min length: 5, max length: 20), required. * Tên Hãng: textbox (min length: 5, max length: 20), required. * Chi tiết: rich textbox, required. * “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, 3] |   **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, 20]. | Display error message: “Tên sản phẩm phải từ 5 đến 20 ký tự”. | | 2 | “Tên Hãng” is not in range [5, 20]. | Display error message: : “Tên hãng phải từ 5 đến 20 ký tự”. | | 3 | “Chi tiết” is empty. | Display error message: “Vui lòng nhập Chi tiết”. |   **Relationships:** Manage Product.  **Business Rules:**   * When staff enters product name, system will search all product name in the database. * Staff can choose existed product and update the price of this product. | | | |

##### <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 name.   + 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:** Nothing is 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 hãng   * A text box * A button Search | |  | Click at any product name. | Navigate to “Thông tin sản phẩm” page which contains:   * Tên sản phẩm: textbox, min length: 5, max length: 20, required. * Tên Hãng: textbox, min length: 5, max length: 20, required. * Chi Tiết: rich textbox, required. * Cập nhật: button. | | 3 | Update new data. Click “Cập nhật” button. | Save new data to the database. Redirect to “Quản lý sản phẩm” page. |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | “Tên sản phẩm” is not in range [5, 20]. | Display error message: “Tên sản phẩm phải từ 5 đến 20 ký tự”. | | 2 | “Tên Hãng” is not in range [5, 20]. | Display error message: “Tên Hãng phải từ 5 đến 20 ký tự”. | | 3 | “Chi tiết” is not input. | Display error message: “Vui lòng nhập Chi tiết sản phẩm”. |   **Relationships:** Manage Product.  **Business Rules:** N/A | | | |

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 active product.   **Preconditions:**   * User must log in the system with staff role.   **Post Conditions:**   * **Success**: Selected product will be deactivated. * **Fail:** Nothing is changed. 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 hãng   * A text box * A button Search | | 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:** N/A | | | |

##### <Staff> Activate Product

Use Case Diagram



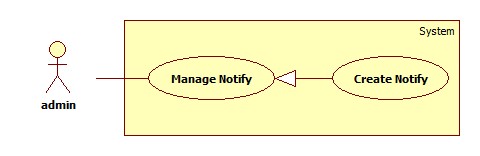
Figure … : <Staff> Activate Product

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 deactived product.   **Preconditions:**   * User must log in the system with staff role.   **Post Conditions:**   * **Success**: Selected product will be activated. * **Fail:** Nothing is changed. 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 SP  + Tìm kiếm bằng hang SP   * A text box * A button Search | | 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:** N/A | | | |

1. **<Admin> Create Notify**

**Use case Diagram**

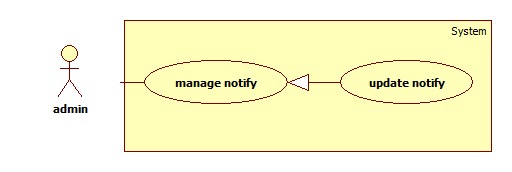
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**Use case Diagram Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Create Notify | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | High |
| **Actor:**   * Admin.   **Summary:**   * This use case allows admin to input notify manually.   **Goal:**   * New Notify will be added to the database.   **Triggers:**   * Admin wants to input new notify manually. * To input notify manually, admin must do the following steps:   + Click “Quản lý Thông Báo” in the menu.   + Click “Tạo Thông Báo” button.   **Preconditions:**   * User must log in the system with admin role.   **Post Conditions:**   * **Success**: New notify will be added to the database. * **Fail:** Nothing is added to the database. Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click “Tạo thông báo” button. | Navigate to “Tạo thông báo” page which contains:   * Tên người dùng: textbox (min length: 5, max length: 20), required. * Chi tiết: rich textbox, required. * “Thêm thông báo” button. * “Hủy” button. | | 2 | Enter information into text fields.  Click “Thêm thông báo” button to finish. [Alternative 1] | System will add notify to database.  A new notify will be displayed in list notify page. Then, redirect to list notify page. [Exception 1, 2] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “Hủy” button to finish. | No notify is added. System will return back to list notify page. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | “Tên người dùng” is not in range [5, 20]. | Display error message: “Tên người dùng phải từ 5 đến 20 ký tự”. | | 2 | “Tên người dùng” is not available. | Display error message: “Tên người dùng không có”. | | 3 | “Chi tiết” is not input. | Display error message: “Vui lòng nhập Chi tiết”. |   **Relationships:** Manage Notify.  **Business Rules:**   * When admin enters user name, system will search all notify in the database. * Admin can choose existed notify and update the content of this notify. | | | |

1. **<Admin>Update Notify**

**Use case diagram**

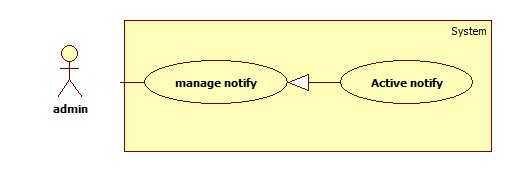
****

**Use case diagram Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** |  |
| **Use Case Name** | Update Notify | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | Normal |
| **Actor:**   * Admin.   **Summary:**   * This use case allows admin to update notify information.   **Goal:**   * New information will be updated to selected notify.   **Triggers:**   * Admin wants to change Notify information. * To change notify information, Admin must do the following steps:   + Choose “Quản lý thông báo” in sidebar menu.   + Click “Danh sách thông báo” sub-menu.   + Click at notify.   + Change information.   + Click “Cập nhật” button to save new data to database.   **Preconditions:**   * User must log in the system with admin role. * There is at least one notify in the database.   **Post Conditions:**   * **Success**: New information will be updated to selected notify. * **Fail:** Nothing is updated. Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click “Danh sách thông báo” sub-menu. | Navigate to “Danh sách thông báo” page which contains:   * A table has 6 columns:   + Số thứ tự.   + Tên người dùng.   + Nội dung   + Thời gian   + Trạng Thái * A text box * A button Search | |  | Click at any notify. | Navigate to “Thông tin thông báo” page which contains:   * Tên người dùng: textbox, min length: 5, max length: 20, required. * Nội dung: rich textbox, required. * Cập nhật: button. | | 3 | Update new data. Click “Cập nhật” button. | Save new data to the database. Redirect to “Quản lý thông báo” page. |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | “Tên người dùng” is not in range [5, 20]. | Display error message: “Tên người dung phải từ 5 đến 20 ký tự”. | | 3 | “Chi tiết” is not input. | Display error message: “Vui lòng nhập Chi tiết thông báo”. |   **Relationships:** Manage Notify.  **Business Rules:** N/A | | | |

1. **<Admin>Active Notify**

**Use case Diagram**

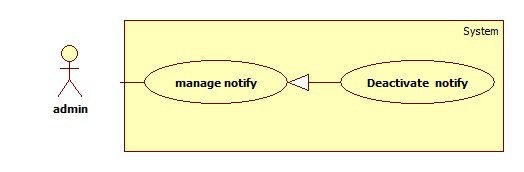
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**Use case Diagram Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Activate Notify | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | Normal |
| **Actor:**   * Admin.   **Summary:**   * This use case allows Amin to activate notify.   **Goal:**   * Selected notify will be activated.   **Triggers:**   * Admin wants to activate notify in the system. * To deactivate a notify, admin must do the following steps:   + Choose “Quản lý thông báo” in sidebar menu.   + Click “Danh sách thông báo” sub-menu.   + Check any deactived notify.   **Preconditions:**   * User must log in the system with admin role.   **Post Conditions:**   * **Success**: Selected notify will be activated. * **Fail:** Nothing is changed. Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click “Danh sách thông báo” sub-menu. | Navigate to “Danh sách thông báo” page which contains:   * A table has 6 columns:   + Số thứ tự.   + Tên người dùng.   + Nội dung   + Thời gian   + Trạng Thái * A text box * A button Search | | 2 | Check any deactivated notify. | Activate selected notify. Show success message.  [Exception 1] |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Cannot activate notify due to database connection problem | Show error message: “Thao tác thất bại. Vui lòng thử lại sau!” |   **Relationships:** Manage Notify.  **Business Rules:** N/A | | | |

1. **<Amin> Deactivate Notify**

**Use case Diagram**

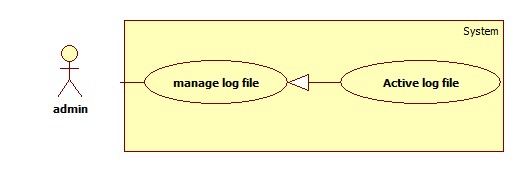
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**Use case Diagram Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Deactivate notify | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | Normal |
| **Actor:**   * Admin.   **Summary:**   * This use case allows admin to deactivate notify.   **Goal:**   * Selected notify will be deactivated.   **Triggers:**   * Admin wants to deactivate notify in the system. * To deactivate a notify, admin must do the following steps:   + Choose “Quản lý thông báo” in sidebar menu.   + Click “Danh sách thông báo” sub-menu.   + Uncheck any active notify.   **Preconditions:**   * User must log in the system with admin role.   **Post Conditions:**   * **Success**: Selected notify will be deactivated. * **Fail:** Nothing is changed. Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click “Danh sách thông báo” sub-menu. | Navigate to “Danh sách thông báo” page which contains:   * A table has 5 columns:   + Số thứ tự.   + Tên người dùng.   + Nội dung   + Thời gian   + Trạng Thái * A text box * A button Search | | 2 | Uncheck any active notify. | Deactivate selected notify. Show success message.  [Exception 1] |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Cannot deactivate notify due to database connection problem | Show error message: “Thao tác thất bại. Vui lòng thử lại sau!” |   **Relationships:** Manage notify.  **Business Rules:** N/A | | | |

1. **<Admin> Active Log File**

**Use case Diagram**

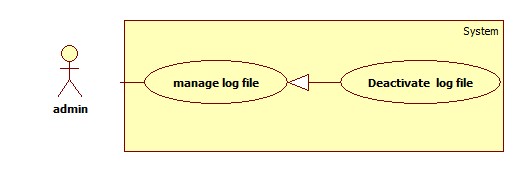
****

**Use case Diagram Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Activate Log File | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | Normal |
| **Actor:**   * Admin.   **Summary:**   * This use case allows Amin to activate Log file.   **Goal:**   * Selected Log file will be activated.   **Triggers:**   * Admin wants to activate Log file in the system. * To deactivate a Log file, admin must do the following steps:   + Choose “Quản lý Log file” in sidebar menu.   + Click “Danh sách Log file” sub-menu.   + Check any deactivated Log file.   **Preconditions:**   * User must log in the system with admin role.   **Post Conditions:**   * **Success**: Selected Log file will be activated. * **Fail:** Nothing is changed. Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click “Danh sách Log file” sub-menu. | Navigate to “Danh sách Log file” page which contains:   * A table has 5 columns:   + Số thứ tự.   + Tên người dùng.   + Nội dung   + Thời gian   + Trạng Thái * A text box * A button Search | | 2 | Check any deactivated Log file. | Activate selected Log file. Show success message.  [Exception 1] |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Cannot activate Log file due to database connection problem | Show error message: “Thao tác thất bại. Vui lòng thử lại sau!” |   **Relationships:** Manage Log file.  **Business Rules:** N/A | | | |

1. **<Admin> Deactivate Log File**

**Use case Diagram**

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**Use case Diagram Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE –** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Deactivate log file | | |
| **Author** | Ha Chi Danh | | |
| **Date** | 30/05/2014 | **Priority** | Normal |
| **Actor:**   * Admin.   **Summary:**   * This use case allows admin to deactivate log file.   **Goal:**   * Selected log file will be deactivated.   **Triggers:**   * Admin wants to deactivate log file in the system. * To deactivate a log file, admin must do the following steps:   + Choose “Quản lý Log File” in sidebar menu.   + Click “Danh sách Log File” sub-menu.   + Uncheck any active Log File.   **Preconditions:**   * User must log in the system with admin role.   **Post Conditions:**   * **Success**: Selected Log file will be deactivated. * **Fail:** Nothing is changed. Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click “Danh sách Log file” sub-menu. | Navigate to “Danh sách Log file” page which contains:   * A table has 5 columns:   + Số thứ tự.   + Tên người dùng.   + Nội dung   + Thời gian   + Trạng Thái * A text box * A button Search | | 2 | Uncheck any active Log file. | Deactivate selected Log file. Show success message.  [Exception 1] |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Cannot deactivate Log file due to database connection problem | Show error message: “Thao tác thất bại. Vui lòng thử lại sau!” |   **Relationships:** Manage Log file.  **Business Rules:** N/A | | | |

1. **<Guest> Compare Product**

**Use case Diagram**

**Use case Diagram Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **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:**   * **Guest** * Member.   **Summary:**   * This use case allows user to compare product on website.   **Goal:**   * User compare 2 or 3 products on website.   **Triggers:**   * User clicks “So Sánh” link. * User input product name or serial number into 3 textbox to compare(least 2 products). * User clicks “Xác nhận” button to confirm.   **Preconditions:**  **N/A**  **Post Conditions:**   * **Success**: Show table compare least two products. * **Fail:** Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User clicks “So Sánh” link. | Negative to “So sánh” page with contains:   * Product 1: textbox. * Product 2: textbox. * Product 3: textbox * Xác nhân: button * Hủy: button | | 2 |  |  |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | User clicks Cancel | Redirect to home page |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Product name or serial number is available | Show error message: “Sản phẩm bị nhập sai hoặc không có” | | 2 | Input least 2 products | Show error message:”Vui lòng nhập từ 2 sản phẩm trở lên” |   **Relationships:** N/A  **Business Rules:** N/A | | | |

1. **<Member>Log out**

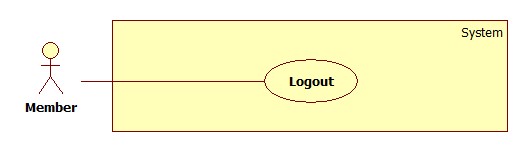


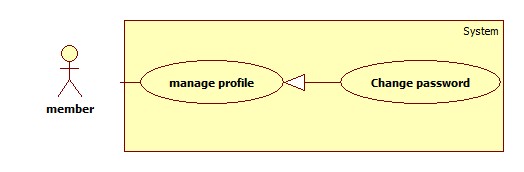
Figure: <Member> Logout

Use Case Specification

|  |  |  |  |
| --- | --- | --- | --- |
| **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:**   * Member. * Staff. * Admin.   **Summary:**   * This use case allows user to log out of the system.   **Goal:**   * User logs out of the system. User’s current session is destroyed.   **Triggers:**   * User wants to log out. * User clicks “Đăng xuất” link.   **Preconditions:**   * User has logged in to the system.   **Post Conditions:**   * **Success**: User’s current session is destroyed. Redirect to homepage. * **Fail:** Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User clicks “Thoát” link. | Destroy user’s session. Redirect to homepage. [Exception 1] |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Fail to destroy user’s session | Redirect to error page. |   **Relationships:** Login  **Business Rules:** N/A | | | |

1. **<Member>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:**   * Member.   **Summary:**   * This use case allows guest to register.   **Goal:**   * User can change password.   **Triggers:**   * User must login with member roll. * User clicks “Quản lý hồ sơ” menu. * User clicks “Thay đổi mật khẩu” sub-menu.   **Preconditions:** User has logged in to the system.  **Post Conditions:**   * **Success:** New password is changed. * **Fail:** Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User clicks “Quản lý hồ sơ” link. | Negative to “Quản lý hồ sơ” page with contains:   * Sub-menu: Thay đổi thông tin * Sub-menu: Thay đổi mật khẩu | | 2 | User clicks “Thay đổi mật khẩu” | 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.   [Exception 1,2, 3,4,5] | |  |  |  |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | 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 empty. | Show error message:”Vui lòng nhập mật khẩu” | | 4 | “Mật khẩu mới” is empty. | Show error message:”Vui lòng nhập mật khẩu mới” | | 5 | “Xác nhận mật khẩu mới” is empty. | 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:** Manage profile.  **Business Rules:**   * New password is changed and save in database. | | | |

1. **<Guest>Register**



Figure: <Guest> Register

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| **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” 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

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| **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 page, enter username and password, and click “Đăng nhập” button to login.   **Preconditions:** N/A.  **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. | | 2 | Guess enter username and password into textboxes.  Press “Đăng nhập” button. | Guest is logged into system, authorized with corresponding role. Redirect to corresponding page.  [Exception 1,2] |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | No input in “Username” or “Password” textboxes | Show error message: “Vui lòng điền đủ username và password!” | | 2 | Username/Password not in range [5,30] | Show error message: “Thông tin không hợp lệ. Vui lòng thử lại!” | | 3 | Input invalid “Username” and “Password” | Show error message: “Thông tin không hợp lệ. Vui lòng thử lại!” |   **Relationships:** N/A  **Business Rules:**   * Each member, staff, admin has an account. * Only active account can log in. * Only member’s account can login from mobile application. | | | |

1. **<Guest> 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. * Guest.   **Summary:**   * This use case allows user to search and view product information.   **Goal:**   * A page detail of products will be shown to user.   **Triggers:**   * User can search product to get product’s information. * In search screen, user inputs name of product or serial number then they search all products with relative name or serial number which they inputted. The searching results will show a list of product which is followed. * User inputs to a blank textbox then clicks “Tìm kiếm” button.   **Preconditions:** N/A  **Post Conditions:**   * **Success**: Show search results as a page of product with name or serial number that user inputted * **Fail:** Show an error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User inputs the product’s name or serial number into textbox. | Show “Search” page with includes:   * Tìm bằng tên/ 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 name or serial number. [Alternative 1] * A product will show in a table as a record with these information:   + First column is name, serial number and image of product.   + Second column is information of product.   + Buttons: “Thêm vào giỏ”. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Search not found | System will show a message: “Không tìm thấy”. |   **Exceptions:** N/A  **Relationships:** N/A  **Business Rules:**   * Search by product name or serial number, using full text search. * Result page will be ordered by matching percent. | | | |