## <Guest/Member> Add to cart



Figure 1: <User> Add to cart

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| --- | --- | --- | --- |
| **USE CASE – 001** | | | |
| **Use Case No.** | 001 | **Use Case Version** | 2.0 |
| **Use Case Name** | Add to Cart | | |
| **Author** | Pham Hong Sang | | |
| **Date** | 28/05/2014 | **Priority** | High |
| **Actor:**   * Guest/Member.   **Summary:**   * This use case allows guest/member to add product to cart.   **Goal:**   * A product will be added to guest/member’s cart.   **Triggers:**   * Guest/Member can add product to cart after search product or add to cart from homepage. * Guest/Member clicks on cart icon button on each result row.   **Preconditions:**   * N/A   **Post Conditions:**   * **Success**: The product will be added to cart. * **Fail:** Product will not be added to cart. Redirect to error page.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click cart icon button on result row. | * Check for the existence of the cart object in session [Exception 1]. * Add clicked product to cart [Alternative 1]. * Notify user. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | The product has existed in cart. | Disable that product, don’t allow user add to cart again. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Session time out. | * Create new cart object in session. * Add clicked product to cart. * Notify user. |   **Relationships:** N/A  **Business Rules:**   * Maximum size of cart is 3. | | | |

Table 1: <User> Add to cart

## 2. <Staff> Use case

### 2 .1 <Staff> Create parser

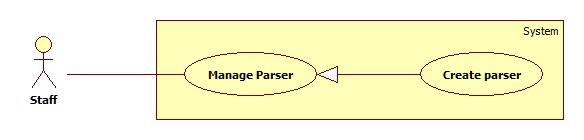


Figure 2: <Staff> Create Parser

Use Case Specification

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| --- | --- | --- | --- |
| **USE CASE – 002** | | | |
| **Use Case No.** | 002 | **Use Case Version** | 2.0 |
| **Use Case Name** | Create Parser | | |
| **Author** | Pham Hong Sang | | |
| **Date** | 02/06/2014 | **Priority** | High |
| **Actor:**   * Staff.   **Summary:**   * This use case allows staff to create new parser.   **Goal:**   * New parser will be created.   **Triggers:**   * Staffs want to create a new parser to get data from a website. * Staff clicks “Tạo parser” sub menu.   **Preconditions:**   * User has logged in with staff role.   **Post Conditions:**   * **Success**: New parser is added to the system. Show success message. * **Fail:** Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff clicks “Quản lí parser” in menubar. | Show sub menu which includes:   * Tạo parser : submenu. * Danh sách parser: submenu. | | 2 | Staff clicks “Tạo parser” sub menu. | Show “Tạo Parser” page which includes:   * Link cần lấy: text box, min length: 1, max length: 300. * Xem: button | | 3 | Staff enters a link and click “Xem” button. | Show “Tạo Parser” page which includes:   * Link cần lấy: display entered value. * Xem: button. * Wizard to create parser. * A frame to show staff’s selected page. | | 4 | Staff follows the wizard to complete the process, then click “Hoàn thành” button. [Exception 1] | Create new parser based on inputted information. Redirect to “Danh sách parser” page. Show success message. |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Error while creating parser. | Redirect to “Danh sách parser” page, show error message. |   **Relationships:** N/A  **Business Rules:**   * The data display structure of that page should be for a specified product. System will collect all data about that product that follow the wizard to create a parser above and save it into database. | | | |

Table 2: <Staff> Create Parser

### <Staff> Update Parser

Use Case Diagram

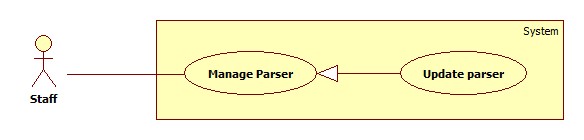


Figure 3: <Staff> Update Parser

Use Case Specification

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE – 003** | | | |
| **Use Case No.** | 003 | **Use Case Version** | 2.0 |
| **Use Case Name** | Update Parser | | |
| **Author** | Pham Hong Sang | | |
| **Date** | 02/06/2014 | **Priority** | High |
| **Actor:**   * Staff.   **Summary:**   * This use case allows staff to update a parser   **Goal:**   * Selected parser will be updated.   **Triggers:**   * Staff wants to update a parser in the system. * Staff clicks “Chỉnh sửa” link.   **Preconditions:**   * User has logged in with staff role. * There is at least 1 parser which is created before.   **Post Conditions:**   * **Success**: Selected parser will be updated. Show success message. * **Fail:** Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff clicks “Quản lí parser” in menubar. | Show sub menu which includes:   * Tạo parser : submenu. * Danh sách parser: submenu. | | 2 | Staff clicks “Danh sách parser” sub menu. | Show “Danh sách parser” page which includes:   * A table with 4 columns:   + STT  + Link cần lấy  + Trạng thái  + Hành động | | 3 | Staff clicks “Chỉnh sửa” link. | Show “Sửa Parser” page which includes:   * Link cần lấy: display entered value. * Xem: button. * Wizard to create parser. * A frame to show staff’s selected page. | | 4 | Staff updates some information, then click “Hoàn thành” button. [Exception 1] | Update selected parser based on inputted information. Redirect to “Quản lý parser” page. Show success message. |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Error while updating parser. | Redirect to “Quản lý parser” page, show error message. |   **Relationships:** N/A  **Business Rules:**   * The data display structure of that page should be for a specified product. System will collect all data about that product that follow the wizard to create a parser above and update it into database. | | | |

Table 3: <Staff> Update Parser

### 2.3 <Staff> Deactivate Parser

User Case Diagram

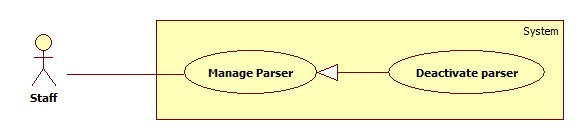


Figure 4: <Staff> Deactivate Parser

Use Case Specification

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| --- | --- | --- | --- |
| **USE CASE – 005** | | | |
| **Use Case No.** | 004 | **Use Case Version** | 2.0 |
| **Use Case Name** | Deactivate Parser | | |
| **Author** | Pham Hong Sang | | |
| **Date** | 30/05/2014 | **Priority** | High |
| **Actor:**   * Staff.   **Summary:**   * This use case allows staff to deactivate a parser   **Goal:**   * Selected parser will be deactivated.   **Triggers:**   * Staff wants to deactivate a parser in the system. * Staff clicks “Quản lý parser” menu, clicks “Danh sách parser” then clicks “Hoạt động” button.   **Preconditions:**   * User has logged in with staff role.   **Post Conditions:**   * **Success**: Selected parser is deactivated. Show success message. * **Fail:** Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff clicks “Danh sách parser” sub menu. | Show “Danh sách parser” page which includes:   * A table with 4 columns:   + STT   + Link cần lấy   + Trạng thái   + Hành động | | 2 | Staff clicks “Hoạt động” button. [Exception 1] | That parser is deactivated. The button text is changed into “Không hoạt động”. Show success message. |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Error while deactivating parser. | Show error message. |   **Relationships:** N/A  **Business Rules:** Only parsers which have “Hoạt động” status will be deactivated. | | | |

Table 4: <Staff> Deactivate Parser

### 2.4 <Staff> Activate Parser

Use Case Diagram

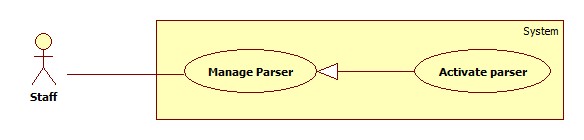


Figure 5: <Staff> Activate Parser

Use Case Specification

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| --- | --- | --- | --- |
| **USE CASE – 005** | | | |
| **Use Case No.** | **005** | **Use Case Version** | 2.0 |
| **Use Case Name** | Activate Parser | | |
| **Author** | Pham Hong Sang | | |
| **Date** | 02/06/2014 | **Priority** | High |
| **Actor:**   * Staff.   **Summary:**   * This use case allows staff to activate a parser   **Goal:**   * Selected parser will be activated.   **Triggers:**   * Staff wants to activate a parser in the system. * Staff clicks “Quản lý parser” menu, clicks “Danh sách parser” then clicks “Không hoạt động” button.   **Preconditions:**   * User has logged in with staff role.   **Post Conditions:**   * **Success**: Selected parser is activated. Show success message. * **Fail:** Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff clicks “Danh sách parser” menu. | Show “Danh sách parser” page which includes:   * A table with 4 columns:   + STT   + Link cần lấy   + Trạng thái   + Hành động | | 2 | Staff clicks “Không hoạt động” button. [Exception 1] | That parser is activated. The button text is changed into “Hoạt động”. Show success message. |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Error while activating parser. | Show error message. |   **Relationships:** N/A  **Business Rules:** Only parsers which have “Không hoạt động” status will be activated. | | | |

Table 5: <Staff> Activate Parser

## 3. <Staff> Configure System

Use Case Diagram

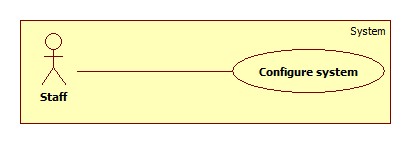


Figure 11: <Staff> Configure System

Use Case Specification

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| --- | --- | --- | --- |
| **USE CASE – 006** | | | |
| **Use Case No.** | 006 | **Use Case Version** | 2.0 |
| **Use Case Name** | Configure system | | |
| **Author** | Pham Hong Sang | | |
| **Date** | 02/06/2014 | **Priority** | High |
| **Actor:**   * Staff.   **Summary:**   * This use case allows staff to configure the system.   **Goal:**   * System parameters will be configured by admin.   **Triggers:**   * Staff wants to change system parameter, such as epsilon number , ” Số lần được đề cử của mỗi sản phẩm chờ duyệt” or “Số lần được đề cử của một người dùng trên một sản phẩm”. * From the sidebar:   + Choose “Hệ thống” menu.   + Choose “Cấu hình hệ thống” sub-menu.   **Preconditions:**   * User must log in the system with Staff role.   **Post Conditions:**   * **Success:** New parameter will be saved to configuration file. * **Fail:** Nothing is saved to configuration file.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click at “Cấu hình hệ thống” link in sub-menu. | Show “Cấu hình hệ thống” page which contains:   * Epsilon: textbox, min length: 1, max length: 3, type: integer number, min value: 1, max value: 100, decimal number only, required. * Số lần được đề cử của mỗi sản phẩm chờ duyệt: textbox, min length: 1, max length: 2, type: integer number, min value: 1, max value: 20, decimal number only, required. * Số lần được đề cử của một người dùng trên một sản phẩm: textbox, min length: 1, max length: 2, type: integer number, min value: 1, max value: 10, decimal number only, required. * Lưu: button. | | 2 | Admin changes system parameters. |  | | 3 | Click on “Lưu” button.  [Exception 1, 2, 3,4,5,6] | * Save data to configuration file. * Show success message. |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Epsilon value is out of range. | Show error message: “Epsilon phải lớn hơn 0 và nhỏ hơn hoặc bằng 100!” | | 2 | Epsilon is not a number. | Show error message: “Epsilon phải là số!” | | 3 | “Số lần được đề cử của mỗi sản phẩm chờ duyệt” is not a number. | Show error message: “Số lần được đề cử của mỗi sản phẩm chờ duyệt phải là số.” | | 4 | “Số lần được đề cử của mỗi sản phẩm chờ duyệt” is out of range | Show error message: “Số lần được đề cử của mỗi sản phẩm chờ duyệt phải lớn hơn 1 và bé hơn 20.” | | 5 | “Số lần được đề cử của một người dùng trên mỗi sản phẩm” is not a number. | Show error message: “Số lần được đề cử của một người dùng trên mỗi sản phẩm xăng phải là số!” | | 6 | “Số lần được đề cử của một người dùng trên mỗi sản phẩm” is out of range. | Show error message: “Số lần được đề cử của một người dùng trên một sản phẩm phải lớn hơn 1 và bé hơn 10.” |   **Relationships:** N/A  **Business Rules:** Epsilon is a total point of 1 best product which is have high weight criteria points. | | | |

Table 16: <Staff> Configure System