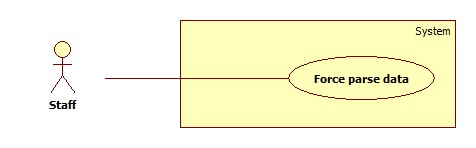
**Use case 01: Force parse data**



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| **USE CASE – CPS001** | | | |
| **Use Case No.** | CPS001 | **Use Case Version** | 2.0 |
| **Use Case Name** | Force Parse Data | | |
| **Author** | Huynh Thanh Viet | | |
| **Date** | 19/05/2014 | **Priority** | High |
| **Actor:**   * Staff.   **Summary:**   * Staff can force system to parse data at any time.   **Goal:**   * Get data from the url which user suggested.   **Triggers:**   * Staff wants to run the parser at that time. * Staff inputs the url which user suggested to “Đường dẫn sản phẩm” textbox.   **Preconditions:**   * User logged in with “Staff” role.   **Post Conditions:**   * **Success:** New data is inserted to database. Success log file is generated. * **Fail:** Show error message, fail log file is generated.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | At parse data page, staff input an url of product into textbox in “Đường dẫn sản phẩm” panel, then click “Xem trước” button. | * Show “Các bước parse dữ liệu” panel includes a wizard to create a parser with 8 steps. * Show “Xem trước” panel include a frame preview the page of the url which staff inputted. | | 2 | At step 1: “Loại parser” of the wizard, staff select “Dạng lưới” or “Dạng bảng” radio button, then click “Tiếp theo” button. | * Show step 2 of the wizard: “Khung thông tin” includes “Xpath tới khung thông tin” textbox. * Show “Xem trước” panel include a frame preview the page of the url which staff inputted. | | 3 | At step 2: “Khung thông tin”, staff click the mouse at the area which include all of the information of product in “Xem trước” panel, then click “Tiếp theo” button. | * Textbox “Xpath tới khung thông tin” filled with the xpath string. * Show step 3 of the wizard: “Tên sản phẩm” includes “Xpath tới tên sản phẩm” textbox. * Show “Xem trước” panel includes a frame preview the page of the url which staff inputted. | | 4 | At step 3: “Tên sản phẩm”, staff click the mouse at the area which include product’s name in “Xem trước” panel, then click “Tiếp theo” button. | * Textbox “Xpath tới tên sản phẩm” filled with the xpath string. * Show step 4 of the wizard: “CPU” includes “Xpath tới CPU” textbox. * Show “Xem trước” panel includes a frame preview the page of the url which staff inputted. | | 5 | At step 4: “CPU”, staff click the mouse at the area which include CPU information in “Xem trước” panel, then click “Tiếp theo” button. | * Textbox “Xpath tới CPU” filled with the xpath string. * Show step 5 of the wizard: “RAM” includes “Xpath tới RAM” textbox. * Show “Xem trước” panel includes a frame preview the page of the url which staff inputted. | | 6 | At step 5: “RAM”, staff click the mouse at the area which include RAM information in “Xem trước” panel, then click “Tiếp theo” button. | * Textbox “Xpath tới RAM” filled with the xpath string. * Show step 6 of the wizard: “Card màn hình” includes “Xpath tới Card màn hình” textbox. * Show “Xem trước” panel includes a frame preview the page of the url which staff inputted. | | 7 | At step 6: ”Card màn hình”, staff click the mouse at the area which include VGA information in “Xem trước” panel, then click “Tiếp theo” button. | * Textbox “Xpath tới card màn hình” filled with the xpath string. * Show step 7 of the wizard: “Độ phân giải màn hình” includes “Xpath tới độ phân giải màn hình” textbox. * Show “Xem trước” panel includes a frame preview the page of the url which staff inputted. | | 8 | At step 7: ”Độ phân giải màn hình”, staff click the mouse at the area which include screen resolution information in “Xem trước” panel, then click “Tiếp theo” button. [Alternative 1] | * Textbox “Xpath tới độ phân giải màn hình” filled with the xpath string. * Show step 8 of the wizard: “Giá sản phẩm” includes “Xpath tới giá sản phẩm” textbox. * Show “Xem trước” panel includes a frame preview the page of the url which staff inputted. | | 9 | At step 8: ”Giá sản phẩm”, staff click the mouse at the area which include product’s price information in “Xem trước” panel, then click “Tiếp theo” button. [Alternative 2] | * Textbox “Xpath tới giá sản phẩm” filled with the xpath string. * Show “Hoàn thành” button. * Show “Xem trước” panel includes a frame preview the page of the url which staff inputted. | | 10 | Staff click “Hoàn thành” button. | * Send request to the parsed link. * Fetch data from the response based on the inputted XPaths. * Validate data [Exception 1]. * If data is valid, insert to database [Alternative 2]. * Generate success log file. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | At step 7: ”Độ phân giải màn hình”, staff click “Tiếp theo” button. [Alternative 1] | * Show step 8 of the wizard: “Giá sản phẩm” includes “Xpath tới giá sản phẩm” textbox. * Show “Xem trước” panel includes a frame preview the page of the url which staff inputted. | | 2 | At step 8: ”Giá sản phẩm”, staff click “Tiếp theo” button. [Alternative 2] | * Show “Hoàn thành” button. * Show “Xem trước” panel includes a frame preview the page of the url which staff inputted. | | 3 | Staff follow the wizard to complete the process, then click “Hoàn thành” button. | * If data is valid, insert to database [Alternative 3]. * If fetched product is already in the database, update its information. * Generate success log file. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Data is not valid. | * Don’t insert to database. * Generate fail log file. |   **Relationships:** Login  **Business Rules:**   * If the value of RAM, product’s price is negative or not a number, consider invalid. * Success log file structure:   CPS Success Log File  ======================  - Parsing time:[start\_time]  - Staff: [staff\_username]  ======================  [Parsing link]  - Total items: [total\_item]  - Amount of new item: [new\_item]  - Amout of update item: [update\_item]  - Time elapsed: [time\_elapsed]  ======================   * Fail log file structure:   CPS Fail Log File  ======================  - Parsing time:[start\_time]  - Staff: [staff\_username]  ======================  [Parsing link]  - Total items: [total\_item]  - Parsing status:  + Ten san pham: [prodname\_status]  + CPU: [cpu\_status]  + RAM: [ram\_status]  + VGA: [vga\_status]  + Do phan giai: [display\_status]  + Gia san pham: [price\_status]  - Time elapsed: [time\_elapsed]  ====================== | | | |