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| USE CASE – Parse Data | | | | |
| Use-case No. | UC001 | Use-case Version | | 2.0 |
| Use-case Name | Parse Data | | | |
| Author | Doan Ho Anh Triet | | | |
| Date | 16/01/2014 | Priority | High | |
| **Actor:** System  **Summary:** System can parse data from many websites.  **Goal:** Get data from many websites.  **Triggers:** The time hits configured time.  **Pre**-**conditions**: Parse time has been configured.  **Post-conditions:**  **Success:** New data is inserted to database. Log file is generated.  **Fail:** Nothing change in the database. Log file is generated.  **Main Success Scenario**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Server checks the current time. If it hits configured time, parse process starts. | * 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 1]. * Generate log file. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Server checks the current time. If it hits configured time, parse process starts. | * If fetched product is already in the database, update its information. * Generate log file. |   **Exceptions**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Data is invalid. | * Don’t insert to database. * Generate log file. |   **Relationships:** N/A  **Business Rules**:   * If price is negative or not a number, consider it invalid. * Log file structure:   Start at: [Start time]  =====================================  [Market name]  ------------------------------------------------------------  [Parsing link]  Total items: [total]  Pass: [valid]  Failed: [failed]  ------------------------------------------------------------  [Parsing link]  Total items: [total]  Pass: [valid]  Failed: [failed]  =====================================  [Market name]  ------------------------------------------------------------  [Parsing link]  Total items: [total]  Pass: [valid]  Failed: [failed]  ------------------------------------------------------------  [Parsing link]  Total items: [total]  Pass: [valid]  Failed: [failed]  =====================================  End at: [End Time]  Time elapsed: [Elapsed] | | | | |

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| USE CASE – Force Parse Data | | | | |
| Use-case No. | UC002 | Use-case Version | | 2.0 |
| Use-case Name | Force Parse Data | | | |
| Author | Doan Ho Anh Triet | | | |
| Date | 16/01/2014 | Priority | High | |
| **Actor:** Staff  **Summary:** Staff can force system to parse data at any time.  **Goal:** Get data from many websites.  **Triggers:** Staff clicks “Parse” button.  **Pre**-**conditions**: User logged in with “Staff” role.  **Post-conditions:**  **Success:** New data is inserted to database. Log file is generated.  **Fail:** Nothing change in the database. Log file is generated.  **Main Success Scenario**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff clicks “Parse” button. | * Disable “Parse” button. Change its text into “Parsing…”. * 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 1]. * Generate log file. * Enable “Parse” button. Change its text into “Parse”. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff clicks “Parse” button. | * If fetched product is already in the database, update its information. * Generate log file. |   **Exceptions**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Data is not valid. | * Don’t insert to database. * Generate log file. |   **Relationships:** N/A  **Business Rules**: refer to “Parse Data” use case. | | | | |