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| **USE CASE – LRA006** | | | |
| **Use Case No.** | **LRA006** | **Use Case Version** | 1.0 |
| **Use Case Name** | Import Excel File | | |
| **Author** | Nguyen Manh Khuong | | |
| **Date** | 3/06/2015 | **Priority** | High |
| **Actor:**   * Staff.   **Summary:**   * This use case allows staff to import new words into dictionary database by using excel file.   **Goal:**   * New words will be insert into dictionary database.   **Triggers:**   * Staff wants to import lot of new words in an excel file. * From the sidebar:   + Choose “Manage Dictionary” tag.   + Choose “Import Excel File” tag from dropdown list.   **Preconditions:**   * User must log in the system with Staff role.   **Post Conditions:**   * **Success:** new words will be saved to dictionary database. * **Fail:** Nothing is saved to dictionary database.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click at “Import Excel File” tag. | Show “Import Excel File” page which contains:   * “Choose file”: button. * “Submit”: button. | | 2 | Click on “Choose file” button. | Show “Open” dialog box. | | 3 | Staff select a file and click “Open” button or double-click on that file. | Show “Import Excel File” page which contains that filename next to “Choose file”: button. | | 4 | Click on “Submit” button.  [Alternative 1],  [Alternative 2],  [Alternative 3] | Read excel file, add words are contained in file to a list, check spelling each words.  Show list of new words in table with 3 columns:   * + Select: checkbox.   + “Word”: textbox.   + “Type”: dropdown list. * “Save to Database”: button.   Words already existed in database will be removed from list.  Misspelled words will be indicated by red colour in textbox.  Correct spelling words will be unchangeable and checked “Select” checkbox. | | 5 | Click “Save to Database” button. | Save selected word to database. Find synonyms and antonyms of each word.  [Exception 2] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | No file is chosen | Show message: “Please upload a file!” | | 2 | File upload is not an excel extension. | Show message: “Please upload an excel file! (.xls or xlsx)” | | 3 | Excel file is not correct structure. | Show message: “Error occur when open file!” |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Connection to database error. | Show error message: “Cannot save to database! Please try again later.” |   **Relationships:** N/A  **Business Rules:**   * Excel file structure must be properly. * Excel file must have at least 1 row data. | | | |

Table3: < Staff > Import Excel File

### Usability

#### Graphic User Interface

* All the texts, labels and should be written in English.

#### Usability

* Admin, staff should need less than one week of training to be productive with the system.
* Guest and member can use the system easily without training.

#### Installation

* The system must be easy to deploy. Customer can deploy successfully and learn to configure, maintain the system within one day of training.
* The attached manual guide must be clear. User can read and do themselves without developer’s help.

### Reliability

* The system can analyze almost comments, classify them base on dictionary with above 80% accuracy.

### Availability

* N/A

### Security

* Privacy: Each role of user has a specific permission to interact with system.
* System always checks authorization and authenticated before doing anything.
* Only admin can grant permission to staff.

### Maintainability

* Dictionary data is easy to change and update.

### Portability

* The web application can be used anywhere, where has Internet Connection, by Smart phones or PC.

### Performance

* Server responses in 3 seconds for normal progresses, in 10 seconds for complex progresses.
* The page resources are lightly to reduce loading time.