**Upload Data**

**Program Flow**

1. Data to be input by users are:

|  |  |  |
| --- | --- | --- |
| Data | Control | Remarks |
| School | Dropdownlist | Populate content from data from Parameter table:  select \* from parameter where paracode1 = 'SCHOOLDEPT' and paracode3 = 'Y' order by Desc1  Datavaluefield is “Paracode2”, Datatextfield is “Desc1” |
| Upload File | FileUpload |  |
| Total Number of request from Companies | Textbox |  |
|  |  |  |

1. Validation:
   1. All must be input
   2. “Total Number of request from Companies” must be >= 0
   3. Upload File
      1. Must be Excel file
      2. Cannot exceed 5MB
2. Process

Upload

* Copy the file to \Document\File
* Move data from excel file to database and match company to that in system and update “Total Number of request from companies”.

See Database Update #1 below.  
Validation:

* + All columns cannot be empty
  + StartDate & EndDate must be a valid date format
* Display “Total Number of records uploaded are XX, number of record not uploaded are YY.” Display list of records not uploaded.

Update

* If user click “Proceed to Update”, find matching company record and update database. See Database Update #2 below.
* If user does not want to proceed, cancel this batch (i.e. set Status to ‘C’ (cancel))
* Display “YY records don’t have matching company record. Please select the company from suggested list.”

Select

* Display list of records with no match but with suggested list.  
  User will select company from list. Once selection is complete, system updates database.

Search/Create

* For record that have no match and suggested list, system provides a way for user to search or create new record. Update database at the end of selection. (Database Update #2).

**User can choose to run “Update”, “Select” & “Search/Create” again to process un-process records.**

1. Database Update #1:

* Create a record in UploadBatch.
  + BatchID – system-generated
  + UserId – login ID
  + ProcessDate – date/time
  + UploadType – ‘ITP’
  + Status - ‘A’ (Active)
* Add a record for every row in the Excel Spreadsheet to UploadData. Keep a counter of number of record uploaded
  + UploadITPId
  + BatchID
  + AcadYear
  + Semester
  + AdminNo
  + CompanyName
  + StartDate
  + EndDate
  + Status – set to “UPLOAD”
* If there is a missing or empty column, do not copy the record over. Create record in UploadITPError.

1. Database Update #2:

* For each un-process record (of the same batch) in UploadData (i.e. Status = “UPLOAD”)
  + Get CompanyID from Company database table using the uploaded company name.
    - Convert both to Uppercase before comparing.
  + If can’t find matching record:
    - Check company name used in previous upload:

UploadHistory

* + - Criteria is School + name
  + If can’t find matching record:
    - Match against Company database table. (codes will be given)
    - Outcome will be a match is found, not found or a suggested list.
  + For record that has a match, update record in UploadData:
    - IESCompanyID
    - Status = “MATCH”

Create temporary table

DataTable dtStaff = new DataTable();

dtStaff.Columns.Add("Name", typeof(string));

dtStaff.Columns.Add("StaffID", typeof(string));

Add record to this temporary table:

DataRow dr1 = dtStaff.NewRow();

dr1["Name"] = "Me";

dr1["StaffID"] = Session["UserID"].ToString();

dtStaff.Rows.Add(dr1);