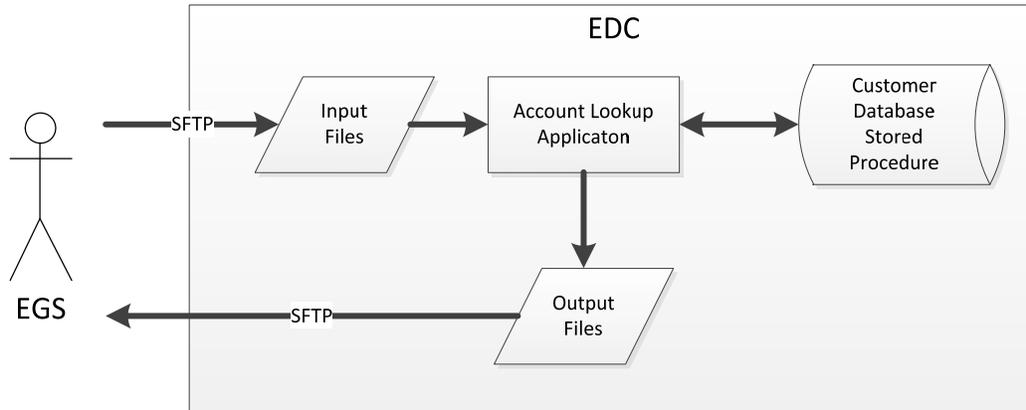# Account Number Lookup Conceptual Design and Task List

Input File Format

Fields delimited by 3 Tildes (~~~)

> Name 1
> Name 2 (optional)
> Address 1
> Zip

Examples:

John Doe~~~Mary Doe~~300 Main St.~~78701
Steven Smith~~~~~~100 Elm St~~~78620

High Level Tasks

Task 1: Create stored procedure to perform account number lookup query

Parameters (String Type)
> Name1
> Name2 (Optional)
> Address1
> Zip

Return Codes (String Type)
> MULTIPLE
> NO HIT
> [ACCT NUMBER]

Basic Query Structure (Simplified)

> Select account number where match on address line 1, zip, and either of the passed names

> Case Multiple Rows Returned
> > Return 'MULTIPLE'
> Case No Rows Returned
> > Return 'NO HIT'
> Else Return a.acct_num

Task 2: Create Parser/Lookup Application

Create an application to perform the following pseudo logic:

For Each EGS Home Directory

Check FTP folder \in for files

For each file found

Open file for reading
Create output file for writing in \out folder

For each line in the file
Read the input line
Tokenize the parameters by "splitting" on delimiter
Call the stored procedure with the parameters
Write out the input file line, followed by the stored procedure result
Next Line

Close Files
Move input file to processed folder
If exception is thrown parsing the file, move it to the \error folder and log error
Next file

Next Folder

Task 3: Internal Testing

Unit Test the application and query

Task 4: Setup FTP Access

Create FTP accounts for users
Deploy application and point to user folder root
Configure firewall ACL to allow customer IP as applicable
Send EGS login credentials

Task 5: End User Testing

Perform connectivity test with EGS
Perform sample file submission

Level of Effort Estimate	
Task	**Hours**
Create stored procedure	2
Develop application	16
Internal Testing	4
Setup FTP Accounts	2
End User Testing	4
Total	28