

Greetings Candidate,

Below you will find the specification for what we require.

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## PERL Specification

### Summary:

This isn't going to be an overly complex job. What we require is simple we need to have a compiled executable (or bat file that will run the PERL interpreter and source code – however an executable is preferred) that will take TAB delimited file(s) and import them into a MySQL database we have hosted on a separate server.

The PERL script must then execute a MySQL query (before going on to the next file) I will supply; wait and display the result as "IMPORT FINISHED" if successful and "IMPORT FAILED" if the code fails to execute properly

### Point by Point:

- 1.) Our TAB files can be fairly small in size or quite massive depending on the data we have processed on a daily or weekly basis.
- 2.) We have **two separate MySQL tables** to handle **two separate types of tab files**. One is for white pages data and the other is data from newspapers. If the end-user chooses newspaper imports the script will only import and query newspaper related files inserting them into the newspaper imports table and vis-à-vis.
- 3.) The source code must be supplied and **MUST BE COMMENTED!**
- 4.) In the source code there **must be, a clear delineation** on, or easy access for me **to easily change the IP address and PORT connecting to the MySQL Server.**

### Example:

```
# CONFIG VARIABLES
$platform = "mysql";
$database = "store";
$host = "localhost";
$port = "3306";
$tablename = "inventory";
$user = "username";
$pw = "password";

# DATA SOURCE NAME
$dsn = "dbi:mysql:$database:localhost:3306";
```

- 5.) If you compile the code into an executable **you must specify the compiler** you used and it must be **free and or open source.**

- 6.) The script **must be able to handle multiple file imports in a batch process**, however please note that after each import **the SQL query I supply must be run BEFORE the script continues on to the next file.**
  - 7.) The script must ask upon running: **Press W to import white pages** or **Press N to import newspapers** and then make a determination on what it is processing from there.
  - 8.) There will be a main directory where the PERL bat file/EXE is stored. Inside this directory will be three subdirectories:
    - a.)newspaperimports
    - b.)whitepagesimports
    - c.)finishedimportsOnce a file is imported, and the SQL query processed for that file, the script will take the file and move it to the finishedimports directory.
  - 9.) The files for newspapers will be named (by us) pertaining to the date they were created ending with an "n" (as in 12162008n or "mmddyynn") The script must be able to import the file with the oldest date first and work up file by file until it reaches the most recent date and finishes.
  - 10.)The files for whitepages will be named (by us) pertaining to the date they were created ending with a "w" (as in 12162008w or "mmddyyyw") The script must be able to import the file with the oldest date first and work up file by file until it reaches the most recent date and finishes.
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Please specify you working experience with PERL, the hours you are available (with your timezone) and your estimation on how long you believe this will take to complete. Please note that we are looking for experience, but we are also looking for speed in coding as time is of the essence for us. (That doesn't mean sloppy code I can't read)

**\*\*\*Database table names and field(column) names will be supplied upon selection\*\*\***

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