Thank you for your interest in applying for a position with InvoiceCloud. Below are the instructions for the Technical Assessment.

1. Create a console application in C# that reads the contents of file BillFile.xml, parses its contents and writes out a file in the format specified in doc BillsOutput.txt. Please name the export file BillFile-mmddyyyy.rpt

The values for the fields in square brackets should either be populated from the file, a constant variable referenced in the table below, or be the result of a calculation from values in the file. Fields not existing in the file spec should be omitted from the output file.

The file follows the following kvp format:

FieldID~FieldValue|

|  |  |
| --- | --- |
| FieldID | Value/Reference |
| 2 | 8203ACC7-2094-43CC-8F7A-B8F19AA9BDA2 |
| 5 | Count of IH records |
| 6 | SUM of BILL\_AMOUNT values |
| JJ | 8E2FEA69-5D77-4D0F-898E-DFA25677D19E |
| OO | 5 days after the current date |
| PP | 3 days before the Due Date (MM) |

\*All dates should be in format MM/DD/YYYY

\*Number fields do not require commas

\*File Header record appears once per file

\*AA record appears once per bill

\*HH record appears once per bill

1. Create a routine in C# that reads the contents of BillFile.rpt and imports the data into the attached access database, Billing.mdb, into the corresponding tables and fields.
2. Create a routine in C# that connects to the “Billing” database, retrieves the contents of both tables and exports the records associated with an account in a CSV formatted file, outlined in the attached BillingReport.txt. File should include a header and one line per unique customer record and any bills associated to that customer.

Please submit the C# project and solution along with a BillFile-mmddyyyy.rpt file, and updated Billing.mdb and BillingReport.txt files.

Thank you,

Invoice Cloud Team