This document will list the steps a candidate for the Programmer I position will perform to evaluate skill level, proficiency, and ability to deliver a solution meeting the requirements in a timely manner.

Tasks:

* Download and install Microsoft SQL Server 2012 Express (if not already installed)
* Unzip the “DemoGolfDatabase.7z” file
* Attach the MDF & LDF files as database “DEMOGOLF”
* Create a trigger on the AR\_CUST table to add an entry in the AR\_CUST\_NOTE table whenever an existing entry in the AR\_CUST table is modified. The content of the note should include the date/time of the change and a brief, appropriate note.
* Create a stored procedure to accept inputs of @START\_DATE and @END\_DATE and output select, pertinent details from the PS\_TKT\_HIST and PS\_TKT\_HIST\_LIN tables to show sales, quantity sold, taxable sales, non-taxable sales, cost, and regular price. The data should be grouped by date and store, showing one row for each date/store.
* Create a .exe program (using C# in the IDE of your choice) that executes the stored procedure from the previous step, serializes the output into JSON, and stores the output into a file. The file should include a fields added that shows the profit for each row. If you do not have an IDE of choice, our recommendation is Visual Studio trial edition.
* The deliverable to return is:
  + A full backup of the database, archived with 7-zip (.7z extension)
  + Name of the trigger created
  + Names of the stored procedure created
  + Packaged .exe code
  + Result file