**Project Test Requirements**This project requires you to create a C++ console program using visual studio and MySQL. The attached two files contain customer information and customer transaction data.

**Part 1**  
Create a database schema and table(s) for the data and import the data into your database.  
NOTE: The data may need to be cleaned for processing.  
  
**Part 2**  
Create two rules for analyzing customer transactions and identify customers with possible fraudulent spending.  
  
Rule 1: Identify abnormally high transactions in a customers’ spending. For example, if a customer has spending at Kroger’s Grocery Store of $55.39, $74.42, $2300, $42.51, and $15.75, the transaction for $2300 should be flagged. You should print the customer’s name, account number, transaction number, merchant, and transaction amount to both the screen and a file.

For example:  
  
Fraud Rule 1:  
Name Account Number Transaction Number Merchant Transaction Amount  
Michael Smith 11111 25 Krogers $2300  
John Doe 22222 10 Best Buy $10000  
Jane Doe 33333 5 McDonalds $525

Rule 2: Identify customer spending different from the customers’ primary state. For example, if a customer’s transactions have all been in Texas, but there is a transaction in California, the customer should be flagged. You should print the customer’s name, account number transaction number, expected transaction location, actual transaction location to both the screen and a file.

For example:  
  
Fraud Rule 2:  
Name Account Number Transaction Number Expected Transaction Location Actual Transaction Location  
Michael Smith 11111 25 Texas Florida  
John Doe 22222 10 California New York  
Jane Doe 33333 2 New York New Jersey

**Deliverables**  
You should provide the following deliverables by creating and providing access to a GitHub repository:  
1. The Visual Studio solution, project, and source code  
2. An export/dump of the MySQL database schema and data