Program Instruction (Project 2 Phase 3)

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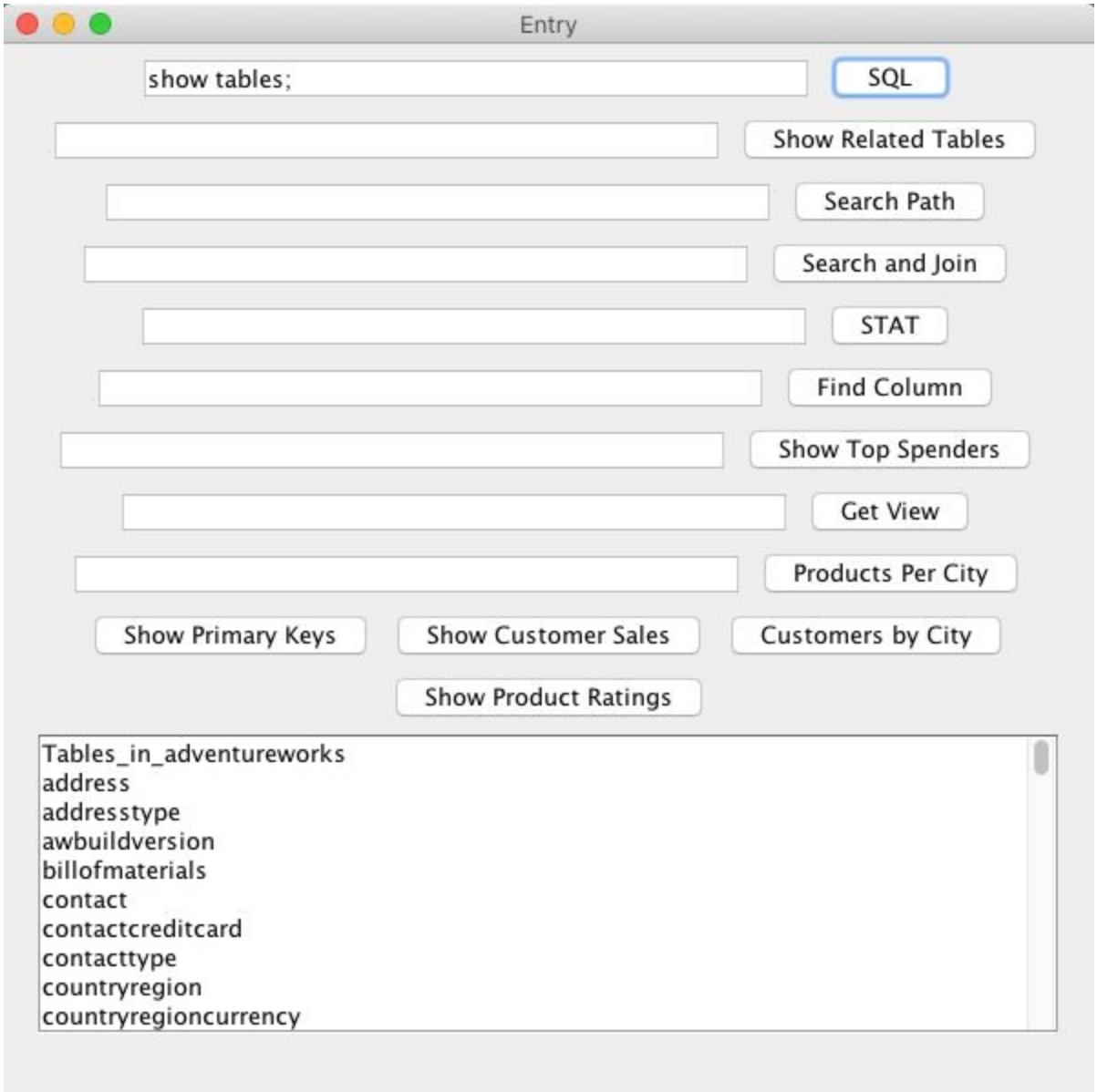
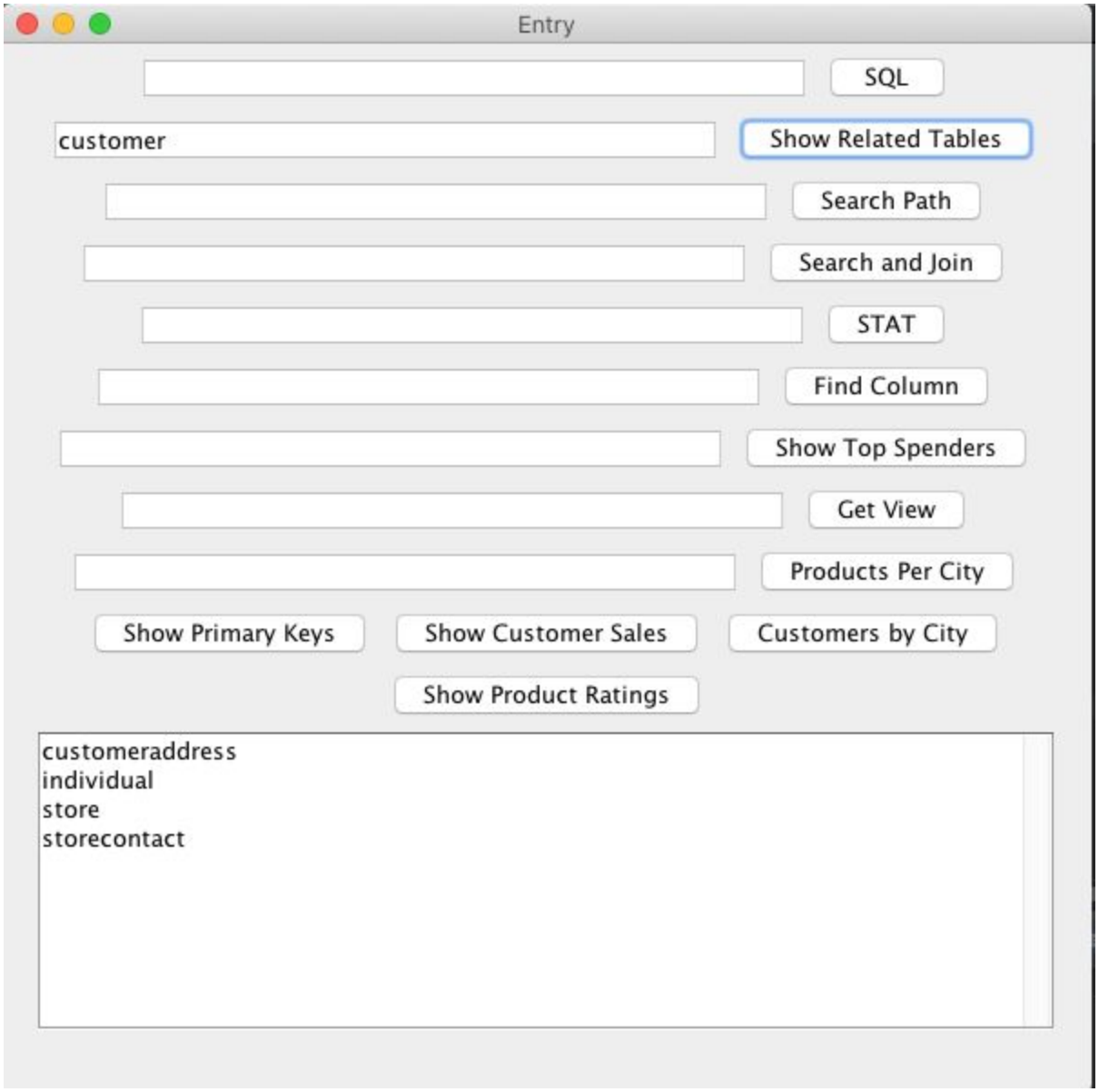
1. Using the Eclipse IDE, press play button to run the GUI.java program.
    a. If not using Eclipse, edit all instances of "com.mysql.cj.jdbc.Driver" to be “com.mysql.jdbc.Driver” in the JDBCCmdLine.java file.
2. You will see the following interface:
3. To run a command, enter the parameters in the text field box if there are parameters, and press the button next to the textbox to run the corresponding command.
4. Here is how to run each command and how to enter the parameters:
    a. SQL
        i. <command>;



b. Show Related Tables
    i. <table name>



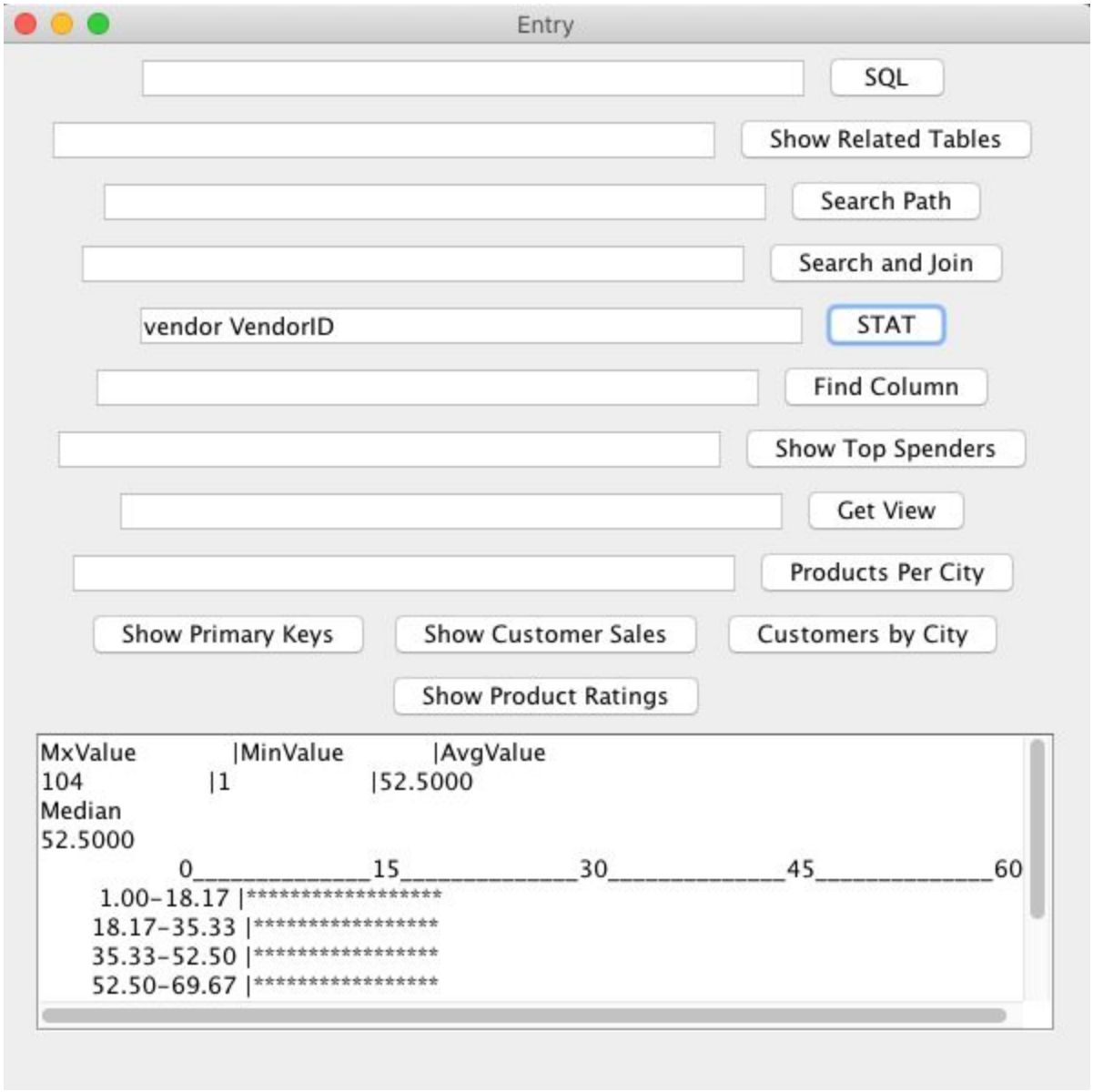
c. Search Path
    i. <table1> <table2>

The output will be printed to the text field.

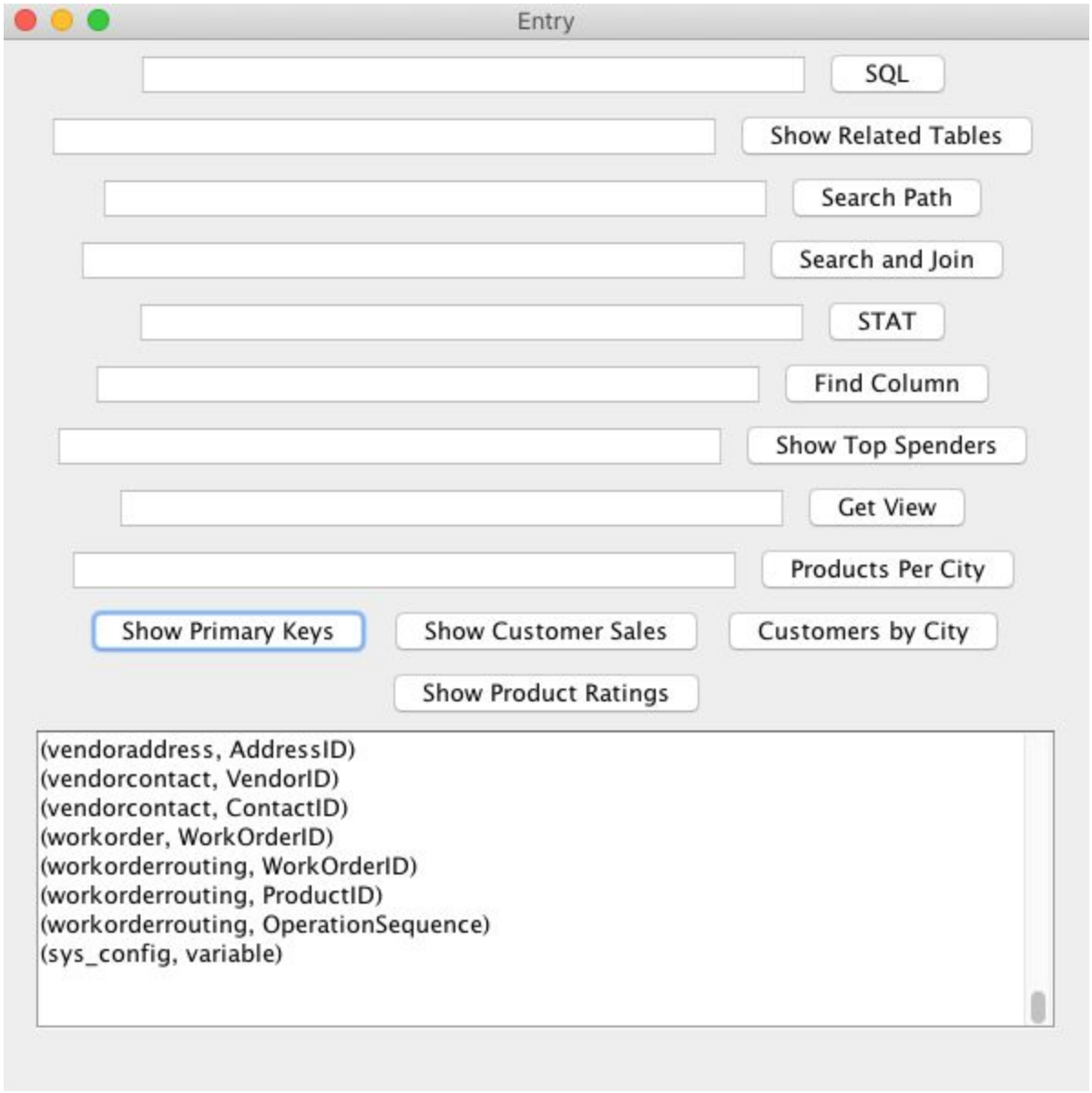
d. Search and Join
    i. <table1> <table2>

The output will be printed to the text field.

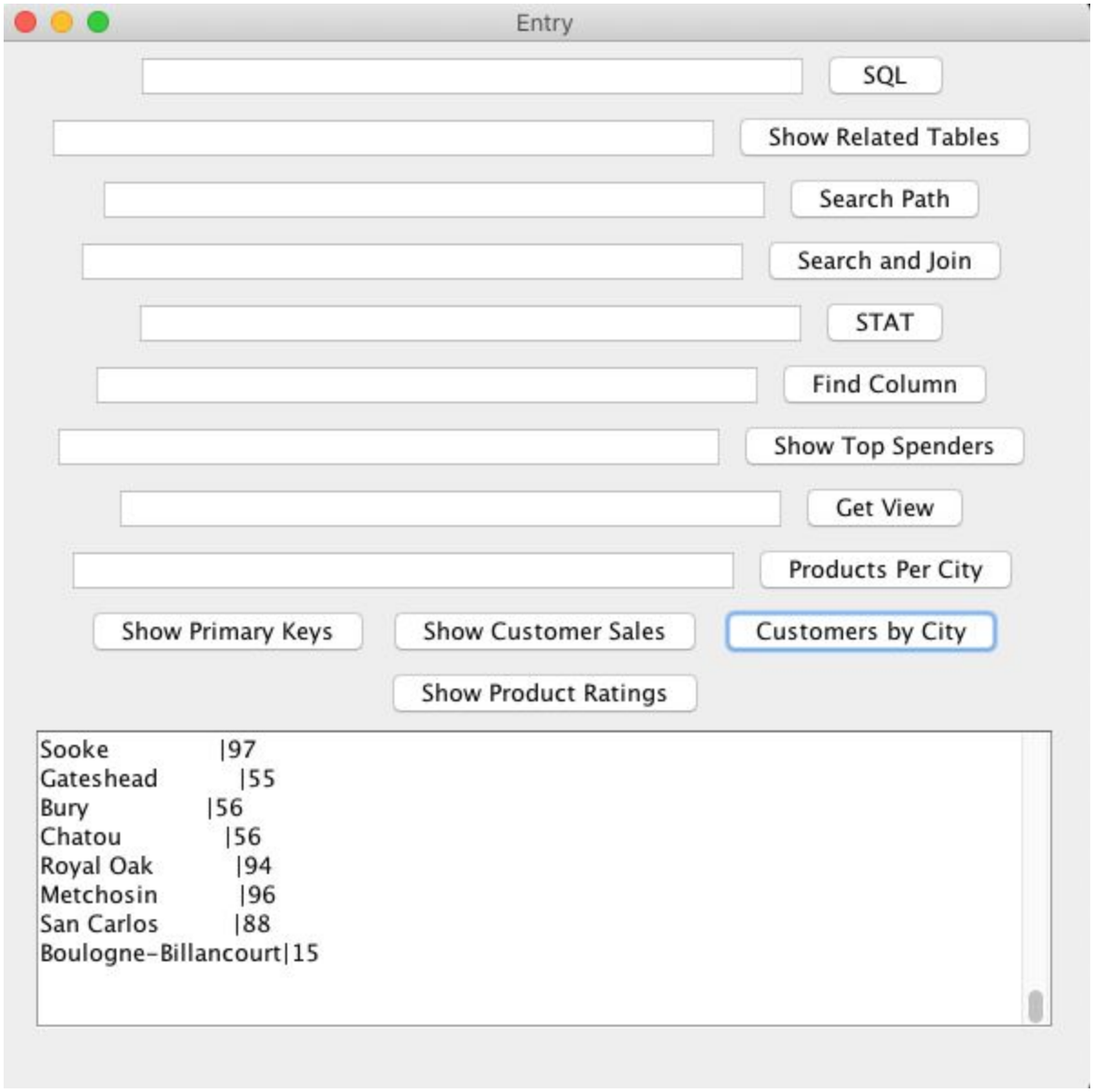
e. STAT
   i. <table> <column name>



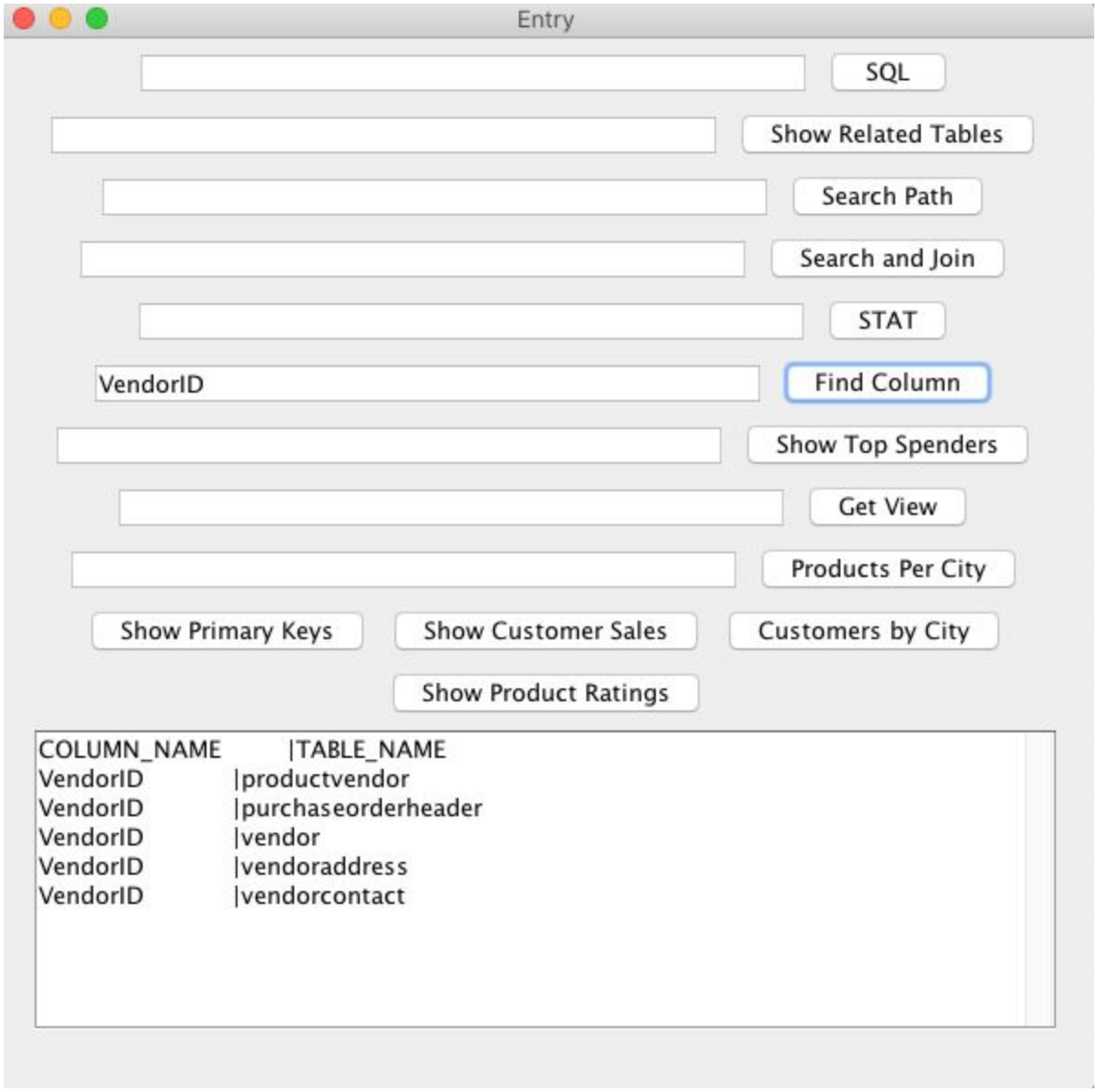
f. Show primary keys
    i. There are no parameters; Click the button “ Show Primary Keys” to run.



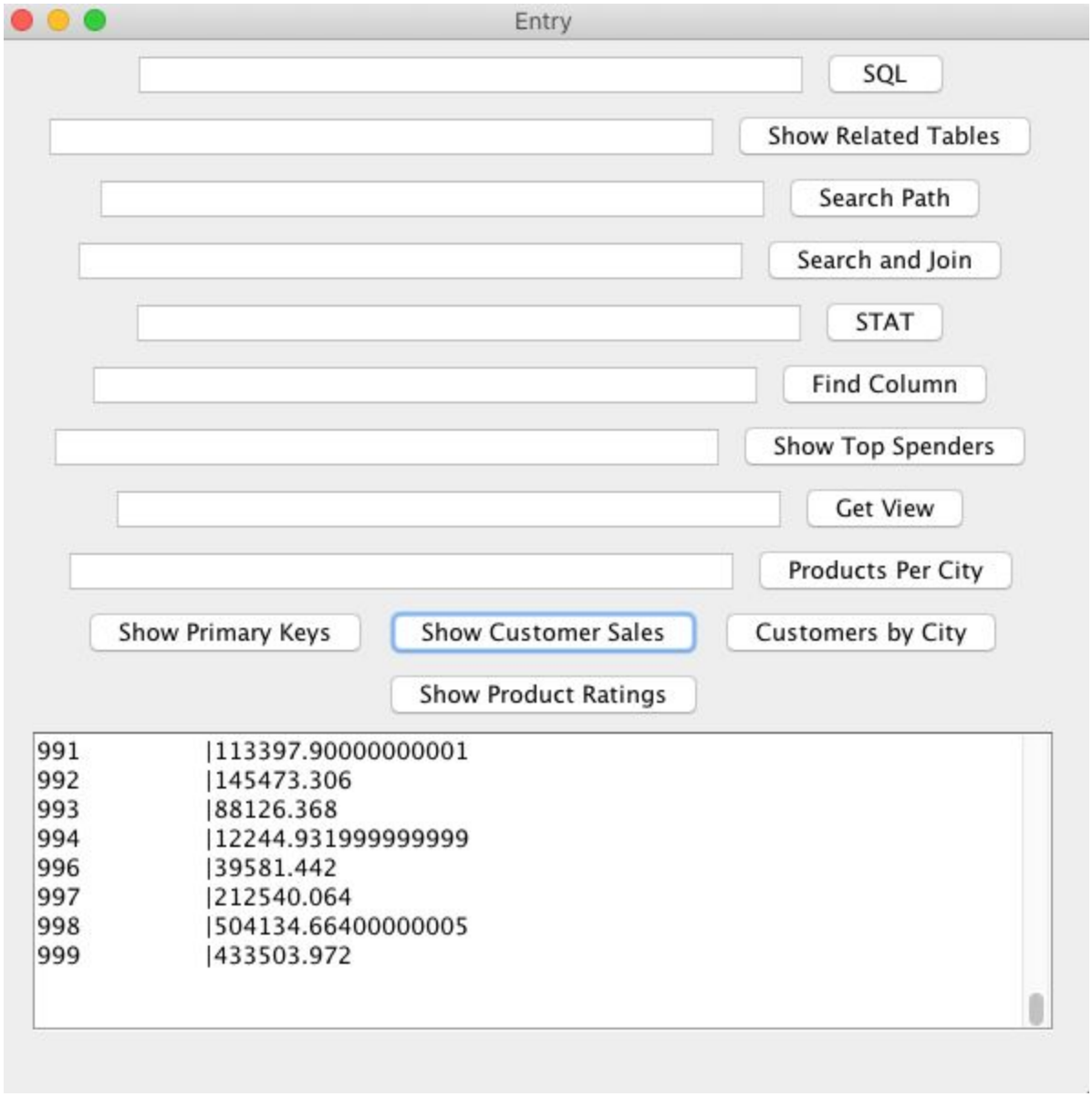
g. Customers by City
    i. There are no parameters; Click the button " Customers by City" to run.



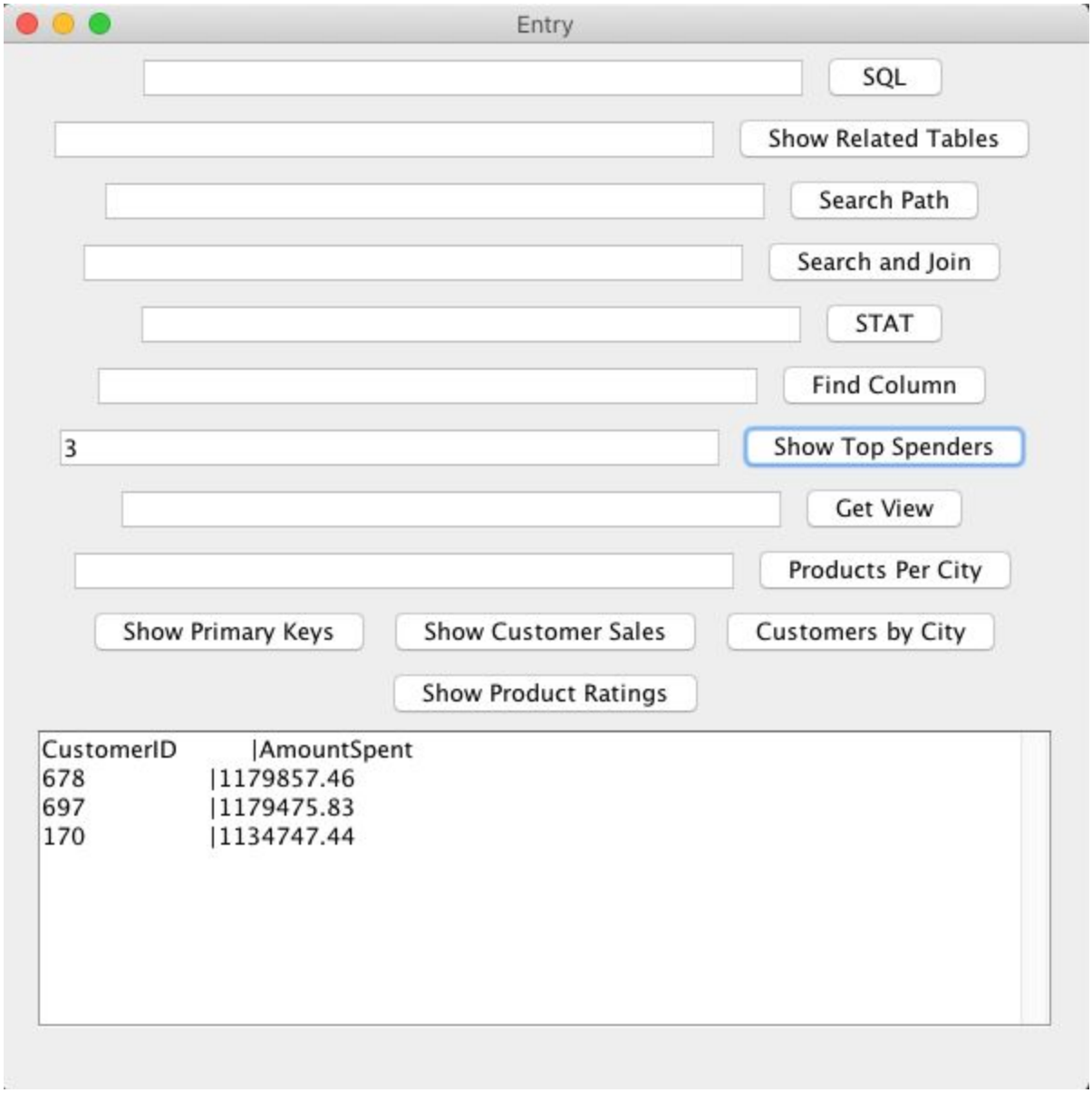
h. Find Column



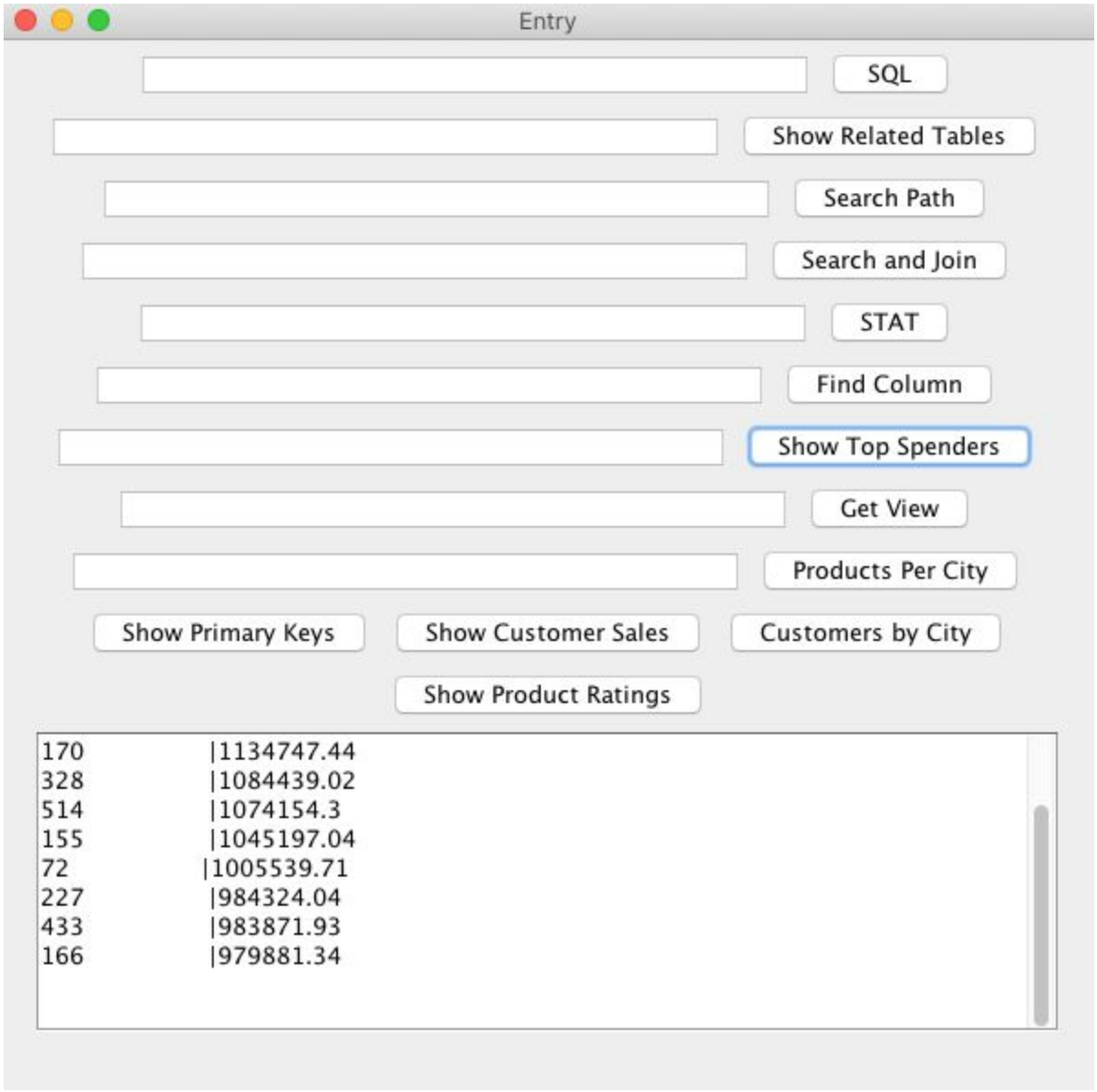
i. Show Customer Sales
    i. There are no parameters; Click the button “ Show Customer Sales” to run.



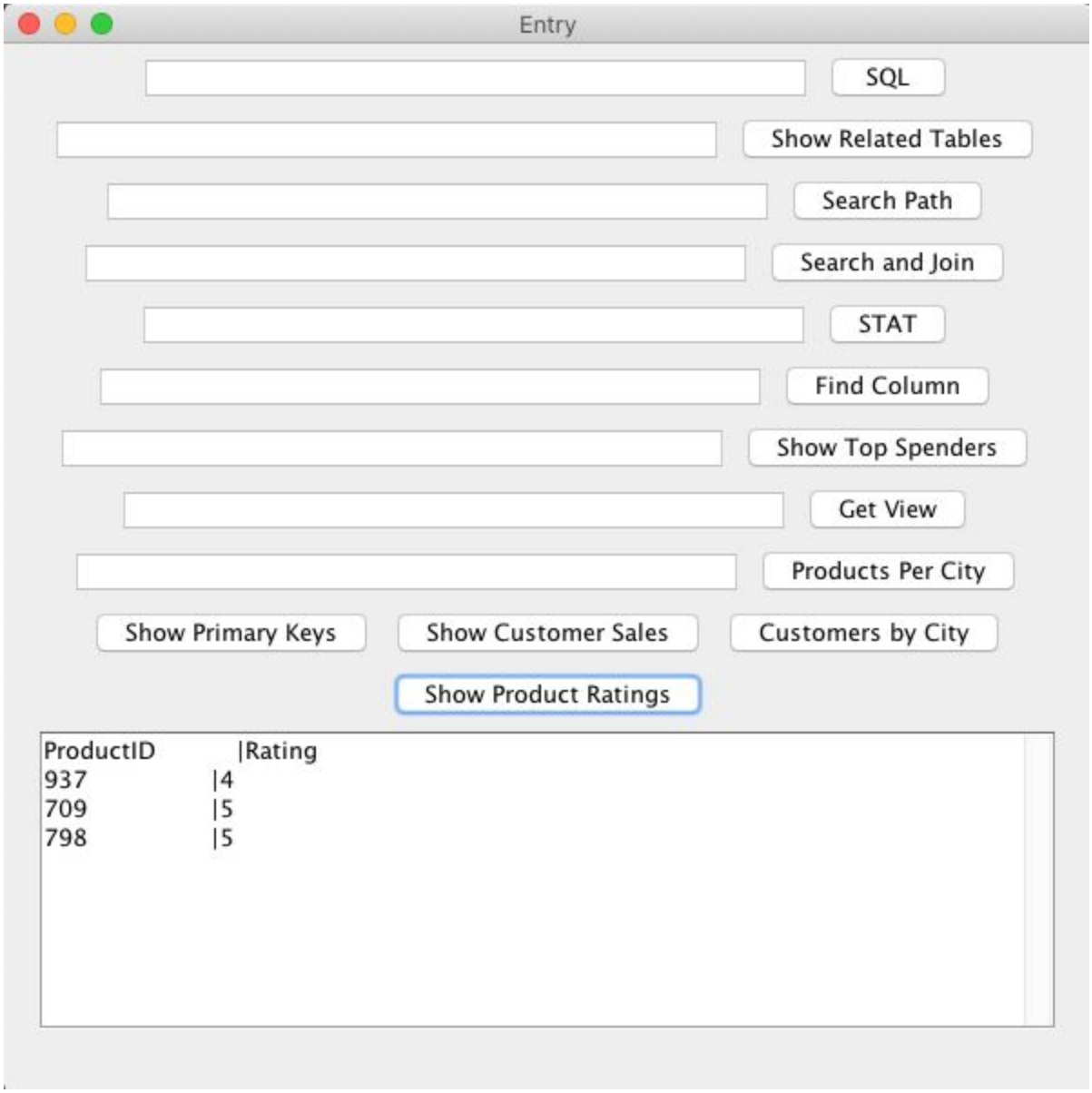
j. Show Top Spenders (customers who spend the most)
   i. Optional parameter: number of results you want to be shown. (ex: 3) → will show top 3 spenders/customers.



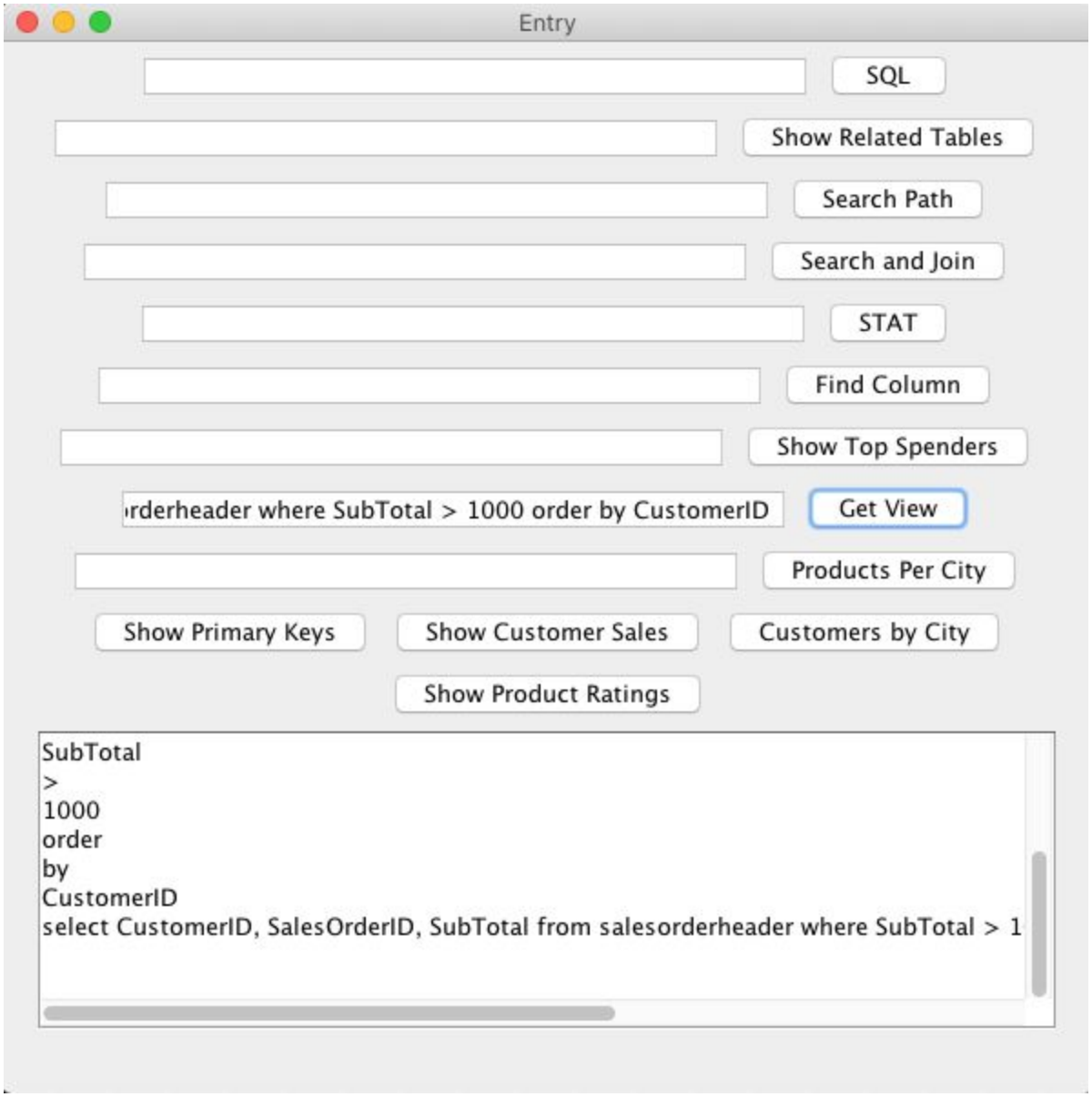
ii. No parameters: Click the button “ Show Top Spenders” to run.



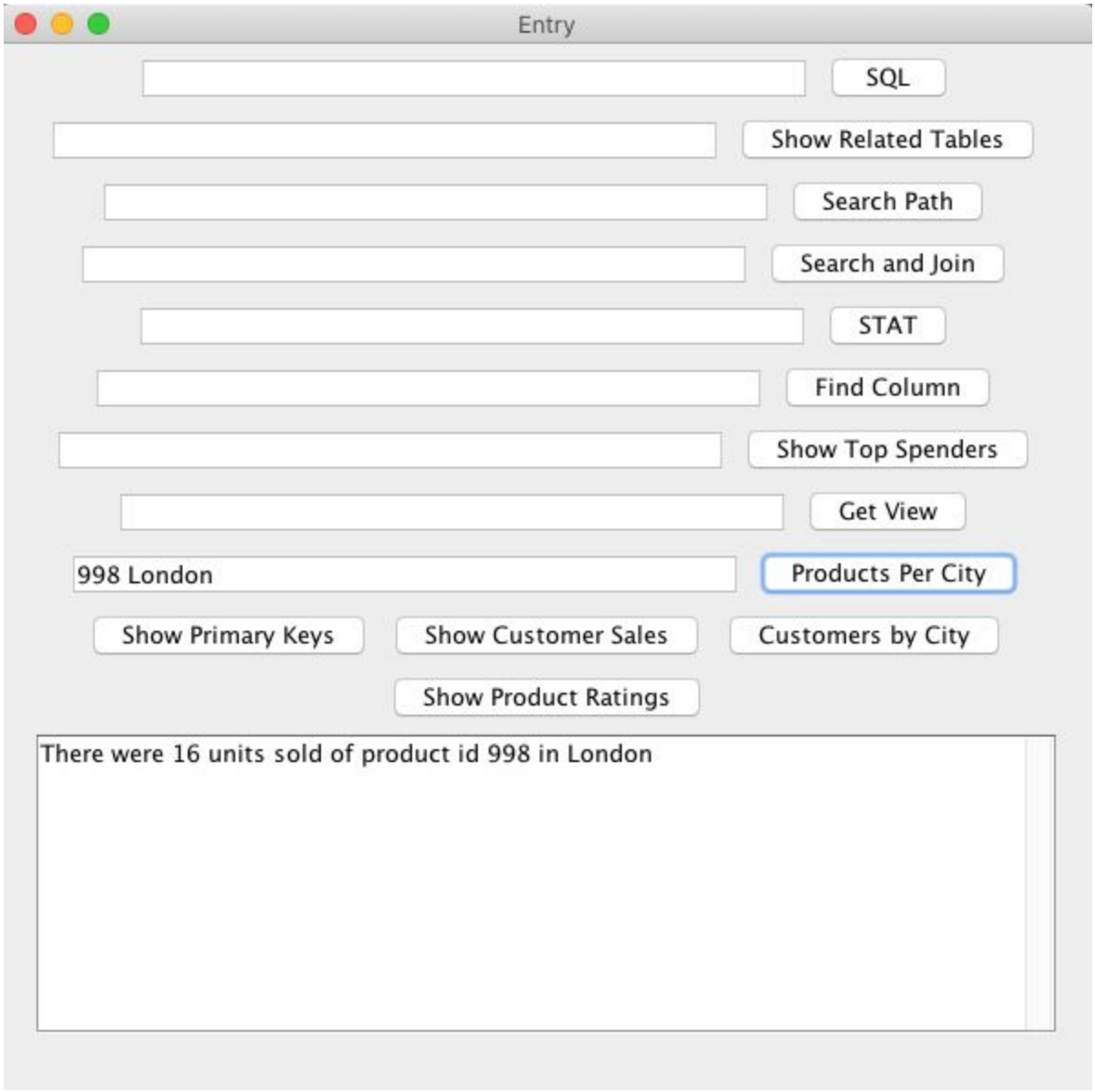
k. Show Product Ratings



l. Get View
    i. <view-name> <sql query>
    ii. Example entry: view_test select CustomerID, SalesOrderID, SubTotal from salesorderheader where SubTotal > 1000 order by CustomerID



m. Products Per City
    i. <ProductID> <City>



5. After the button is clicked the output of the command will show up in the text area. Use the scroll bars to navigate through the output.

N. Get DbSchema

1. Ensure that your dot file for the database schema is in the same folder as your Java Gui code. This dot file will then be given to the Graphviz api to generate the corresponding pdf.

2. To do this in the GUI, click the GetDbSchema button. This will generate the schema.pdf in the same folder as your dot file.

Error Handling

- The error handling for invalid error input is that a message is printed to the terminal.