

\*\*\*\*\*

Write a C++ program to help a local restaurant automate its breakfast billing system. The program should do the following at a minimum.

1. Read the menu data from the file menu.txt provided to you.
2. Show customer the different breakfast items offered by the restaurant.
3. Allow customer to select more than one item from the menu.
4. Do not allow customer to select an item more than once.
5. When done selecting items, prompt user to enter filename and save the receipt in the output file as shown in the given guest1.check sample file.
6. **Bonus 10 points.** Make the program to continue to run, until the user wants to quit.

**Lab instructions and other requirements:**

1. Create lab1.cpp source file and use the provided partial code as a head start.
2. Fix all the FIXMEs.
3. Create menu.txt resource file and copy the given breakfast data items to test your program.
4. Follow the best programming practices.
  - a) Must write program and programmer information at the top.
  - b) Write adequate comments.
  - c) Use whitespaces and indentations to format source code and output data.
  - d) Write algorithm steps as comments when necessary.
  - e) Use proper self-describing identifiers – variable, function names, etc.
  - f) Do NOT use global variables (global constants are ok) – pass data to functions using parameters.
5. You may turn in partial work for partial credit before the due date.
6. No late submission will be accepted unless prior approval.
7. **Upload the source file lab1.cpp into D2L Lab1 dropbox before due date.**