**Requirements Document for *listPrice***

*Abstract:*

The user of this program is assumed to have a list of a manufacturer’s pricing, knowledge of sales taxes, and percentage discount that dealers are willing to give. The purpose of this simple C program is to help expedite the process of finding the best deal on a car. It will ask the user to provide the manufacturer’s cost, dealer’s mark-ups, sales tax, and pre-tax discount; from which the program will calculate the list price for that car.

*Introduction:*

This is a simple C calculation program. It is built around values that a user provides, and once the values have all been collected, it will calculate a new and meaningful output.

*Inputs:*

Manufacturer’s Price — Float — decimal number — The base price that the manufacturer will charge for their cars.

Dealer’s Mark Up: — Float — percentage — The increase in price the local dealers place on the cars they sell.

Sales Tax: — Float — percentage — The amount of tax paid on each vehicle

Pre-Tax Discount: — Float — decimal number — The amount dealers are willing to take off before taxes.

*Outputs:*

List Price: — Float — decimal number — The final cost that the buyer will have to pay for the car in question.

*Major Functions:*

Input Scanner: a function that will prompt the user for data and save that data in variables as it comes in.

Calculator: a function that will take all the data provided by the user and manipulate it to figure out the final value.

Display: a function that will print back the value the user is interested in.

**Design Specification for *listPrice***

*Abstract:*

*Introduction:*

*Inputs:*

*Outputs:*

*Major Functions:*