# Project Log

**Friday, 1 February 2013**

Started development.

Recreated the Main Menu.

Decided that the List(Of T) class from the System.Collection.Generic Namespace would be best for storing the car information in this project. An Array would be more useful when working with a fixed amount of objects.

Added functions to save and load car details from text file.

**Saturday, 2 February 2013**

Finished creating all functions from the example project.

Started Redesigning the user interface.

**Sunday, 3 February 2013**

Finished Main Menu

Finished Add Car screen along with input validation.

Started Edit Car Screen

**Monday, 4 February 2013**

Finished Edit Car Screen along with input validation.

Started Car Details Screen.

Changed the data type of the base cost and mark up value to Decimal to minimize rounding errors.

Modified Add Car screen to use new input validation function.

Added Car details screen.

**Tuesday, 5 February 2013**

Added car statistics screen.

Added correct profit and income statistics.

Added remove car screen.

When an invalid car is found in the file the user is notified and asked if they want to remove it, delete the database or quit.

Added a box to the main menu that displays the amount of cars in the database.

Made the box’s top to be parallel to the options menu for when the user decides to type in an invalid command spanning across multiple lines.

Added a loop for the statistics screen to print the statistics, reducing the number of lines required from 60 to 30.

**Friday, 8 February 2013**

Decreased the time it takes to save the list to file by adding all the cars to an array and writing once to the file instead of appending.

**Saturday, 9 February 2013**

Added standard Deviation to the statistics screen.

Designed the concept of Individual Databases. The user can create separate databases with names they choose. For example they might create one named “Favourite cars” and another one named “Dad’s cars”.

**Sunday, 10 February 2013**

The instruction message is now also displayed at the bottom of a list of cars, if there are more than 22 in the list.

Created most functions for individual databases.

**Monday, 11 February 2013**

Fully Implemented individual databases.

Added assembly information and icon

Made a limit of 250 cars per database.

Finished program. There are still some code that can be optimized.

**Tuesday, 12 February 2013**

Added confirmation message when deleting a database.

The database is now completely deleted when the user chooses to do so when there is an error.

**Thursday, 14 February 2013**

The processing error screen now uses ReadKey() instead of ReadLine() for input.

Changed the line “Add a car first to view statistics” to the error colour.

Thoroughly commented the code and added function summaries for all functions/methods.

To-Do List:

User Manual.