

DOCUMENTATION

5.1 TECHNICAL DOCUMENTATION

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5.1.1 Table Structures

Buyer Information Table

	Field Name	Data Type	
1	BID	AutoNumber	Buyer's ID - Is the primary key of the Buyer table. (The
	title	Short Text	Title of the company
	city	Short Text	City
	add	Short Text	Address of Buyer
	cperson	Short Text	Contact Person
	cnumber	Short Text	Contact Number of Contact Person
	email	Short Text	Email Address
	bnkname	Short Text	Bank Name
	bnkbranch	Short Text	Bank Branch
	accno	Short Text	Account Number

Dimensions Information Table

	Field Name	Data Type	
1	DID	AutoNumber	Dimensions ID - Is the primary key of the Dimensions
	ext	Long Text	Exterior Dimensions (Length x Width x Height) of the v
	int	Long Text	Interior Dimensions (Length x Width x Height) of the v
	wheelbase	Short Text	Wheel base of the vehicle
	minradius	Short Text	Minimum Turn Radius of the vehicle
	VID	Number	Vehicle ID - It is the primary key of the vehicle table a

Engine Information Table

	Field Name	Data Type	
1	EID	AutoNumber	Engine ID - Is the primary key of the Engine table.
	type	Short Text	Type of Engine used in vehicle.
	cc	Short Text	CC
	fuelsystem	Short Text	Fuel System
	maxoutput	Short Text	Max output of engine
	maxtorque	Short Text	Max torque of engine
	VID	Number	Vehicle ID - It is the primary key of the vehicle table a
	cycles	Short Text	Cycles
	valvemechanism	Short Text	Valve Mechanism
	qty	Number	Indicates quantity of the package which is ordered.
	Price	Number	Price of the package.
	reorderlevel	Number	Indicates quantity of the package which is required to be restocked.

Exterior Information Table

Field Name	Data Type	Description
extID	AutoNumber	Exterior ID- Is the primary key of the Exterior table. (The unique identifier)
DID	Number	Dimensions ID - It is the primary key of the Dimensions table.
antenna	Long Text	Antenna
doormirrors	Long Text	Door Mirrors
Fheadlamp	Long Text	Front Head Lamp
mudguard	Long Text	Mud guard
reargarnish	Long Text	Rear Garnish
rearlamps	Long Text	Rear Lamps
impactbars	Long Text	Impact Bars
sideskirts	Long Text	Side Skirts
windshield	Long Text	Wind Shield
wswipers	Long Text	Wind Swipers
wheelcaps	Long Text	Wheel caps
fgrill	Short Text	Front Grill
dhandles	Short Text	Door Handles
qty	Number	Indicates quantity of the package which is in stock.
price	Number	Price of the package.
reorderlevel	Number	Indicates quantity of the package which is required.

Interior Information Table

Field Name	Data Type	Description
IID	AutoNumber	Interior ID - Is the primary key of the Interior table. (The unique identifier)
SID	Number	Safety ID - It is the primary key of the Safety table and is used as the foreign key.
ac	Long Text	Air Conditioner
heater	Long Text	Heater
cdplayer/ am-fm/ mp3	Long Text	CD player/ AM-FM/ MP3
Cconsolebox	Long Text	Central Console Box
Cdoorlocking	Long Text	Central Door Locking
digclock	Long Text	Digital Clock
frest	Long Text	Front Rest
gearlever	Long Text	Gear Lever
intcolorscheme	Long Text	Interior Color Scheme
powerwindows	Long Text	Power Windows
seats	Long Text	Seats
speakers	Number	Speakers
speedometer	Long Text	Speedometer
sunvisor	Short Text	Sunvisor
tachometer	Short Text	Tachometer
woodgrain	Short Text	Woodgrain
qty	Number	Indicates quantity of the package which is in stock.
Price	Number	Price of the package.
reorderlevel	Number	Indicates quantity of the package which is required.

Order Information Table

Field Name	Data Type	Description
OID	AutoNumber	Order ID - Is the primary key of the Order table. (The unique identifier)
ono	Short Text	Order Number
odate	Date/Time	Order Date
BID	Number	Buyer ID - It is the primary key of the Buyer table and is used as the foreign key.
VID	Number	Vehicle ID - It is the primary key of the Vehicle table and is used as the foreign key.
extID	Number	Exterior ID - It is the primary key of the Exterior table and is used as the foreign key.
IID	Number	Interior ID - It is the primary key of the Interior table and is used as the foreign key.
PID	Number	Performance ID - It is the primary key of the Performance table and is used as the foreign key.
EID	Number	Engine ID - It is the primary key of the Engine table and is used as the foreign key.
SID	Number	Safety ID - It is the primary key of the Safety table and is used as the foreign key.

Safety Information Table

Field Name	Data Type	Description
SID	AutoNumber	Safety ID - Is the primary key of the Safety table. (The unique identification number for each safety feature.)
keywarn	Short Text	Key Reminder Warning
lightswarn	Short Text	Lights Warning
reversegearwarn	Short Text	Reverse Gear Warning
fseatbelt	Long Text	Front Seat Belt
rseatbelt	Long Text	Rear Seat Belt
VID	Number	Vehicle ID - It is the primary key of the Vehicle table and is used as the foreign key in the Safety table.
airbags	Short Text	Air bags
collisionsafety	Short Text	Collision Safety
stabilitycontrol	Short Text	Stability Control
qty	Number	Indicates quantity of the package which is in stock.
price	Number	Price of the package.
reorderlevel	Number	Indicates quantity of the package which is required.

Vehicle Information Table

Field Name	Data Type	Description
VID	AutoNumber	Vehicle ID - Is the primary key of the Vehicle table. (The unique identification number for each vehicle model.)
vname	Short Text	Vehicle Name
class	Short Text	Vehicle Class
make	Short Text	Make
variant	Short Text	Variant
year	Short Text	Year of production
ttype	Short Text	Transmission Type
doors	Number	Number of Doors
wheels	Number	Number of Wheels
mcode	Long Text	Model Code of the Vehicle.
extID	Number	Exterior ID - It is the primary key of the Exterior table and is used as the foreign key in the Safety table.
SID	Number	Safety ID - It is the primary key of the Safety table and is used as the foreign key in the Vehicle table.

5.1.2 Option Tree

5.1.3 Program Tree

The technical documentation will describe handling, functionality and architecture of the program in detail.

5.1.4 Forms:

All forms are accessed from mdiToyota.

Forms	Purpose
frmSplash	To authorize user login.
mdiToyota	To provide an interface to access all forms, reports and queries.
frmOrder	Storage data base containing information of orders that the company receives. New Orders, Editing of Old orders and printing of orders is possible in this form.
frmBuyer	Storage data base containing information of buyers that the company has. New Buyers' details, Editing of Old details and printing of Buyer's details is possible in this form.
frmVehicle	Storage data base containing information of Vehicles that the company has. New Vehicles, Editing of Old Vehicles' details and printing of Vehicle records is possible in this form.
frmEngine	Storage data base containing information of Engine Details that the company has. New Engine Details, Editing of Old Engine Details and printing of Engine records is possible in this form.
frmPerformance	Storage data base containing information of Performance Details that the company has. New Performance Details, Editing of Old Performance Details and printing of Performance Details is possible in this form.
frmExterior	Storage data base containing information of Exterior Details that the company has. New Exterior Details, Editing of Old Exterior Details and printing of Exterior Details is possible in this form.
frmInterior	Storage data base containing information of Interior Details that the company has. New Interior Details, Editing of Old Interior Details and printing of Interior Details is possible in this form.
frmDimensions	Storage data base containing information of Dimensions Details that the company has. New Dimensions Details, Editing of Old Dimensions Details and printing of Dimensions Details is possible in this form.
frmSafety	Storage data base containing information of Safety Details that the company has. New Safety Details, Editing of Old Safety Details and printing of Safety Details is possible in this form.

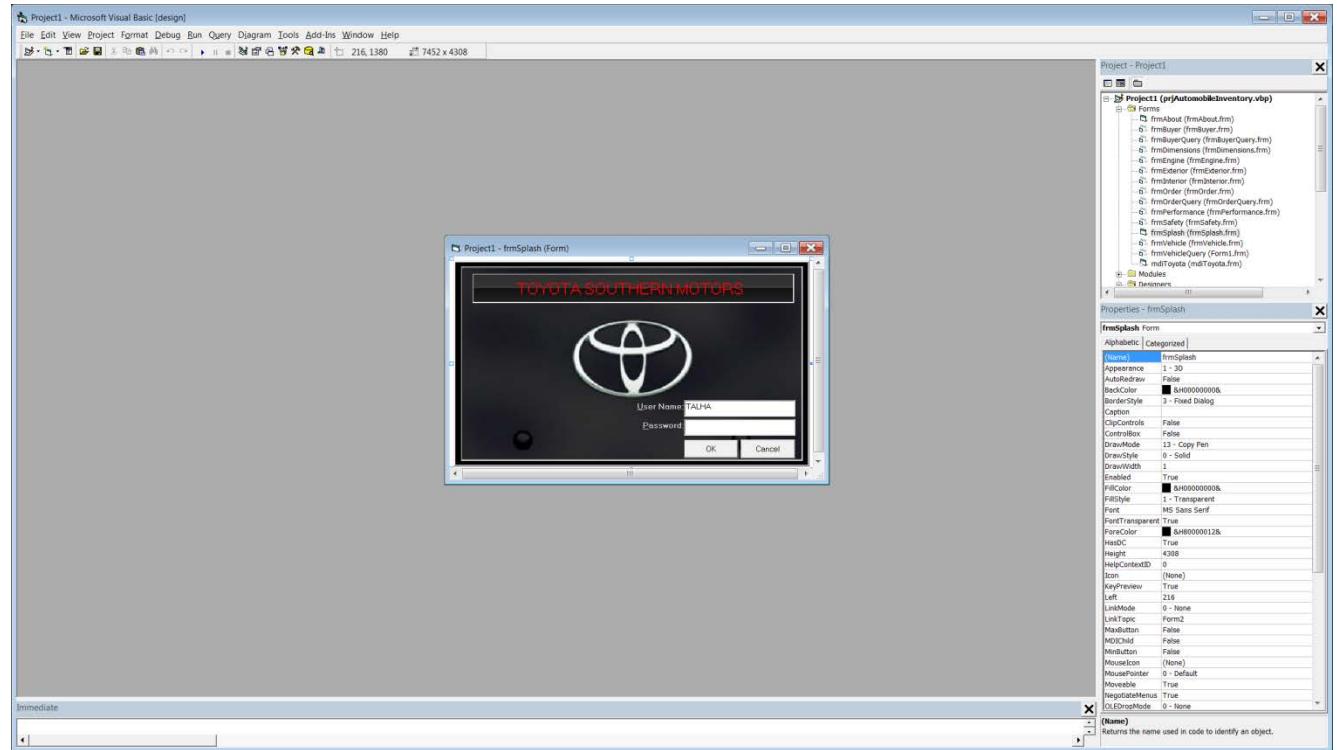
5.1.5 Reports:

All reports are accessed from mdiToyota.

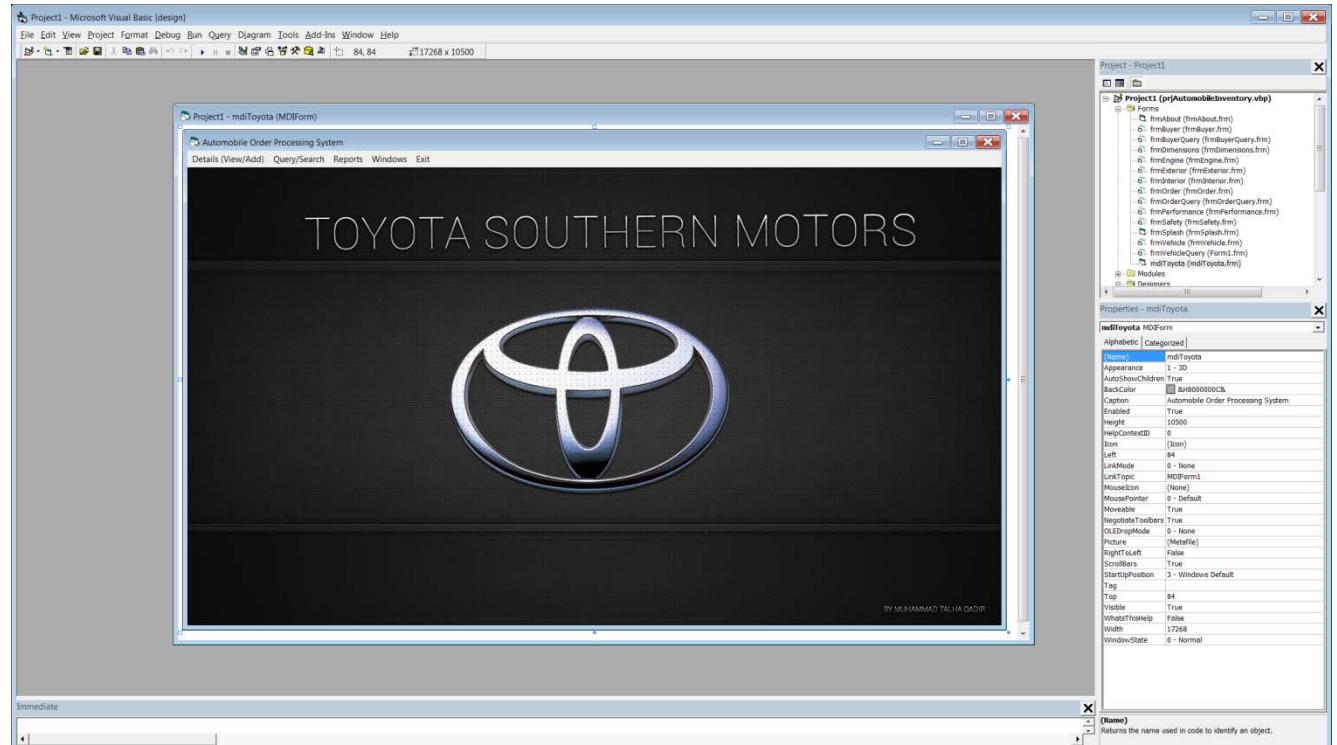
Reports	Purpose
rptBuyer	To display records of Buyer by BID
rptDimensions	To display records of Dimensions Details by DID
rptEngine	To display records of Engine Details by EID
rptExterior	To display records of Exterior Details by extID
rptInterior	To display records of Interior Details by IID
rptOrder	To display records of Order Details by OID
rptOrderList	To display records of Orders by Date
rptPerformance	To display records of Performance Details by PID
rptReorderStatusEngine	To display records of Engine packages which need to be Re-Ordered. Also shows Re-Order Quantity.
rptReorderStatusExterior	To display records of Exterior packages which need to be Re-Ordered. Also shows Re-Order Quantity.
rptReorderStatusInterior	To display records of Interior packages which need to be Re-Ordered. Also shows Re-Order Quantity.
rptReorderStatusPerformance	To display records of Performance packages which need to be Re-Ordered. Also shows Re-Order Quantity.
rptReorderStatusSafety	To display records of Safety packages which need to be Re-Ordered. Also shows Re-Order Quantity.
rptSafety	To display records of Safety Details by SID
rptVehicle	To display records of Vehicle Details by VID

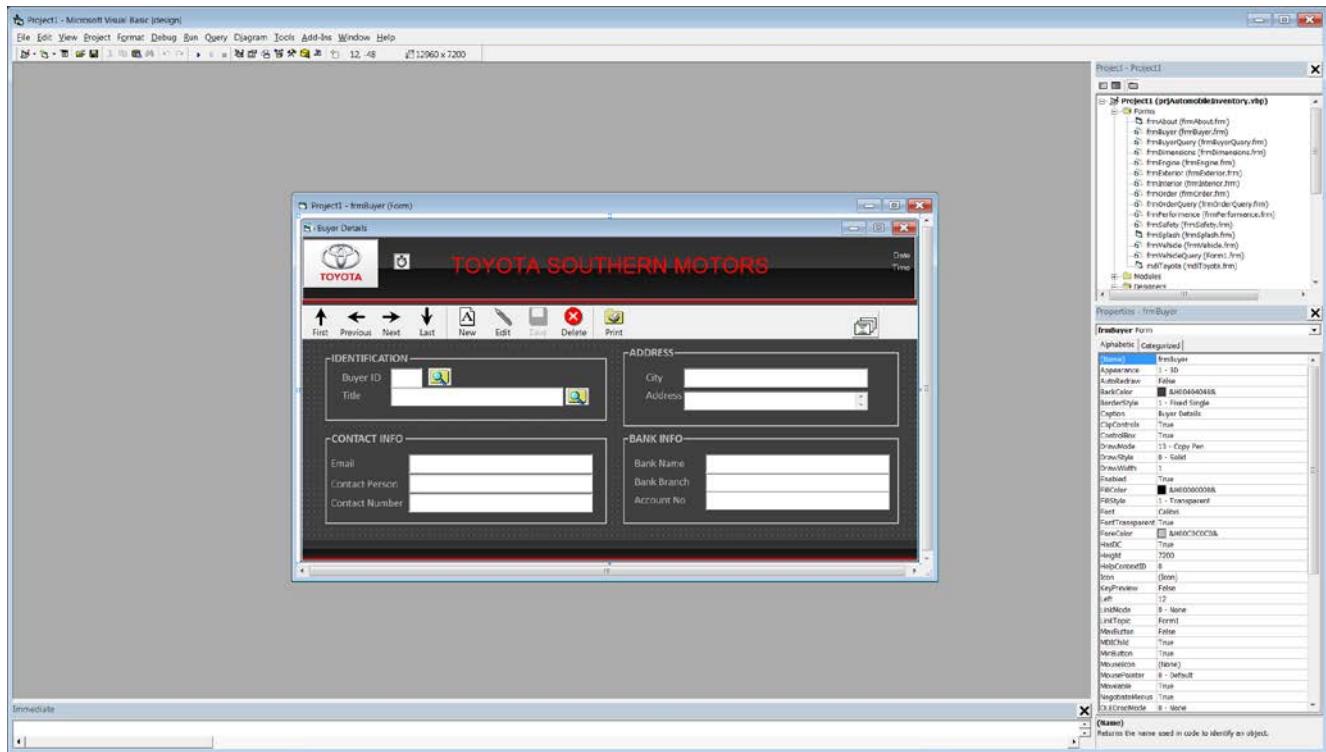
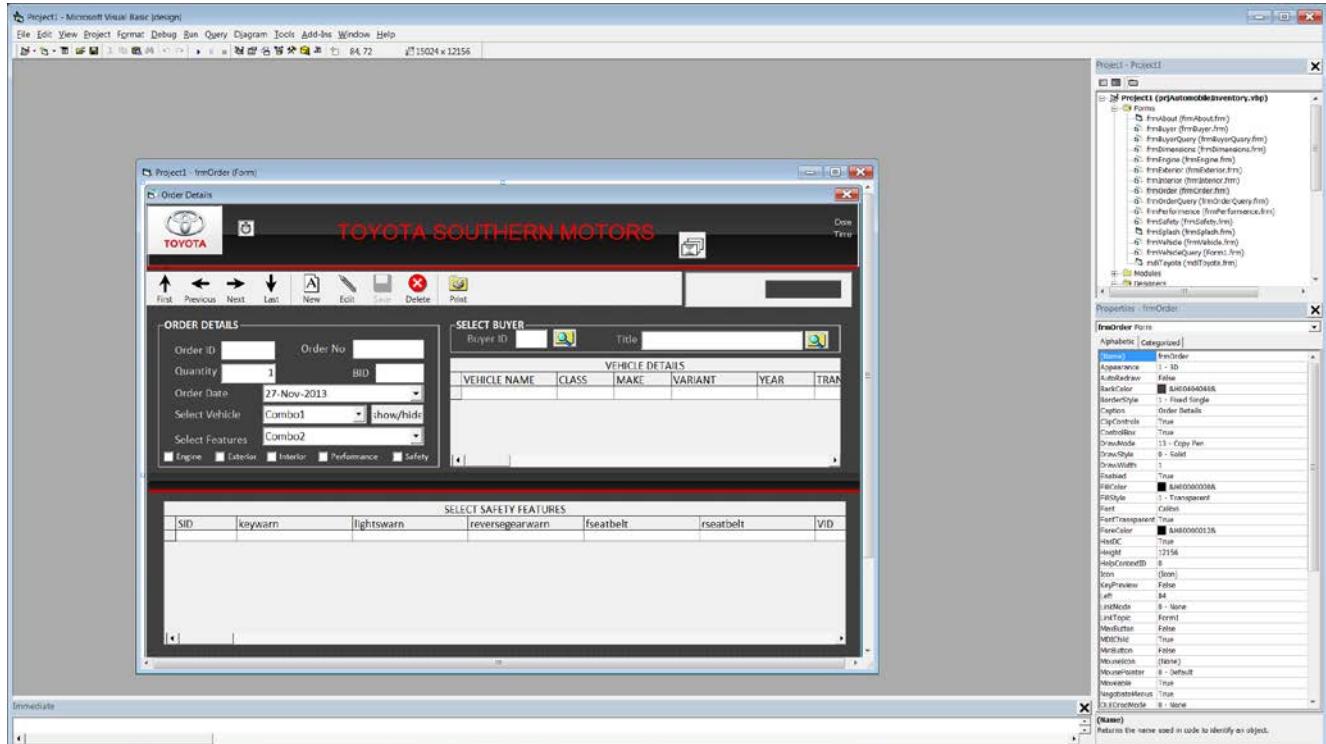
5.1.6 Form structures in Visual Basic

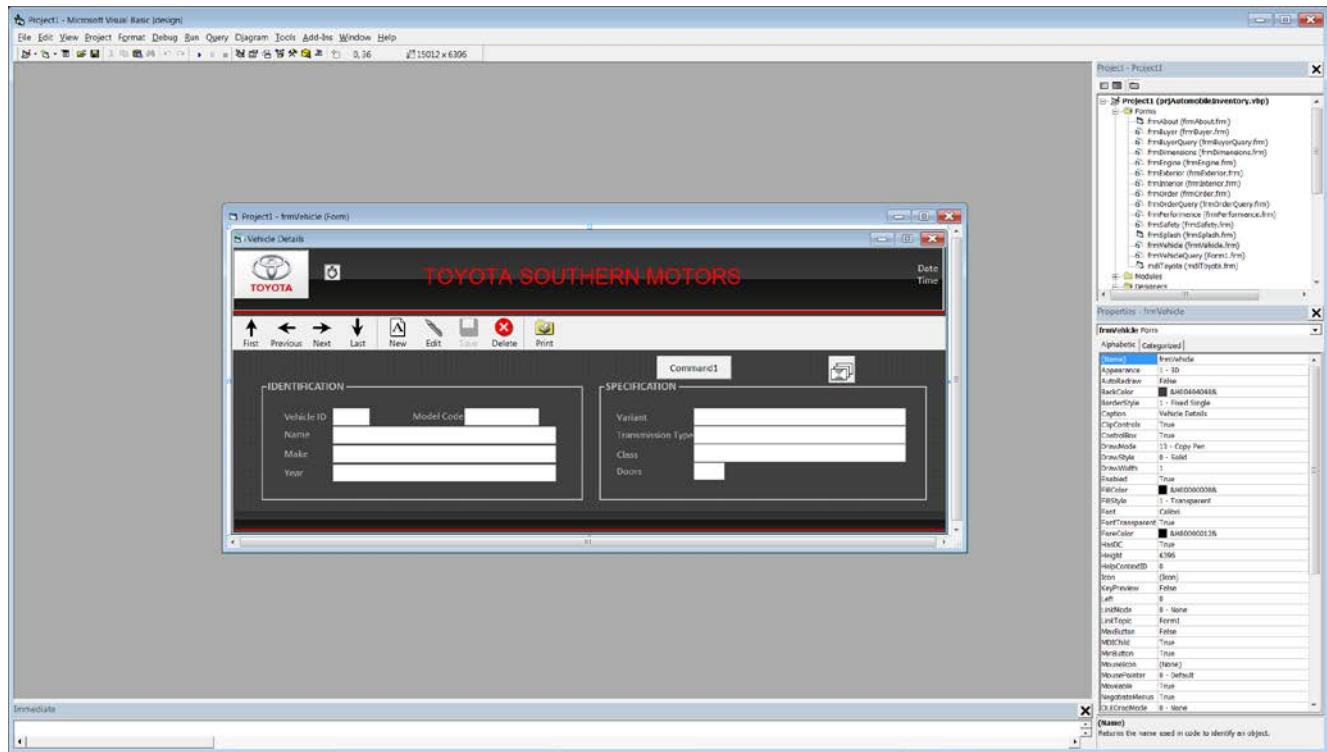
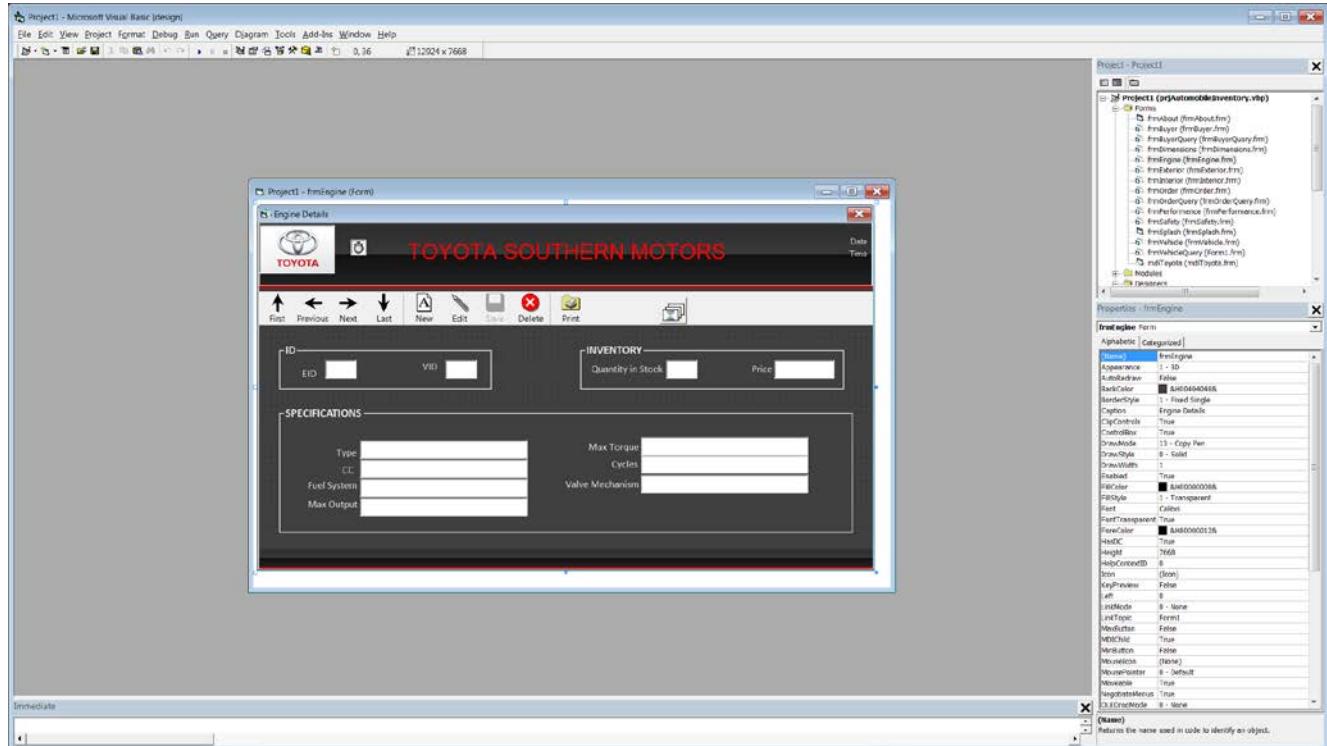
frmSplash

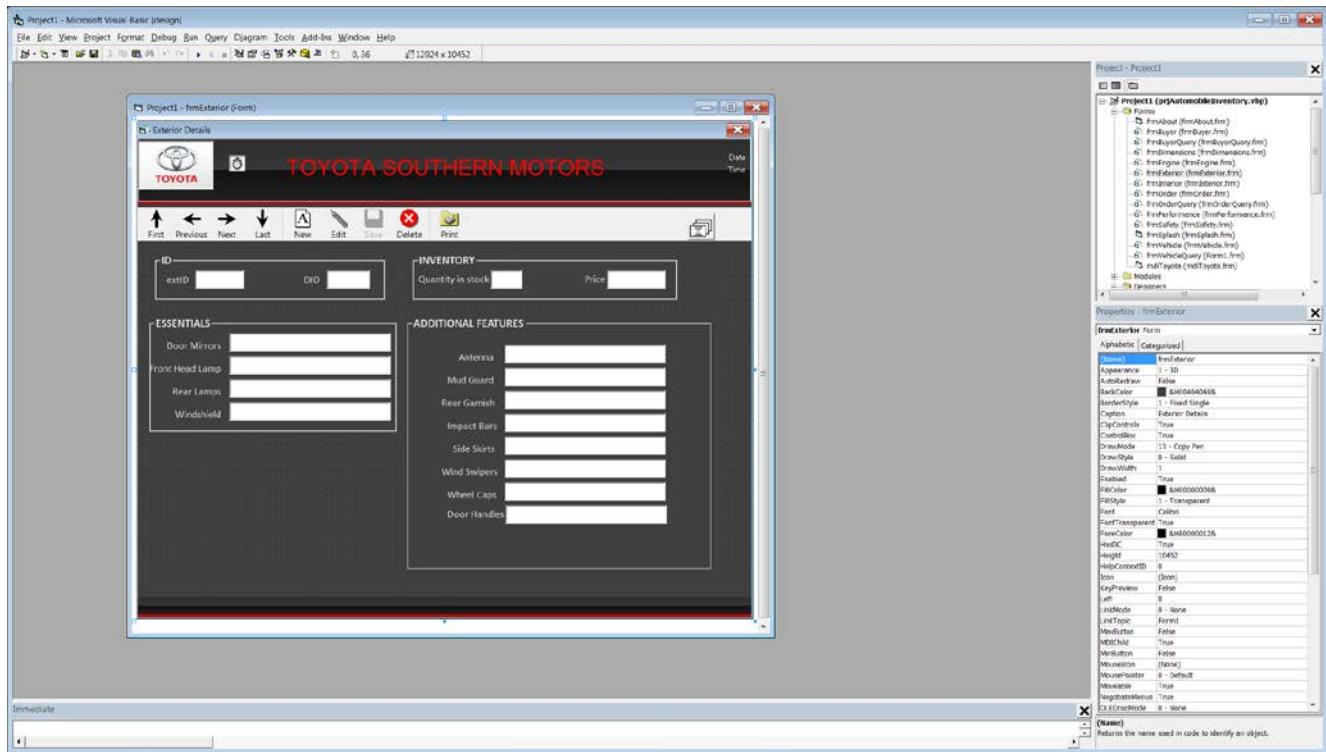
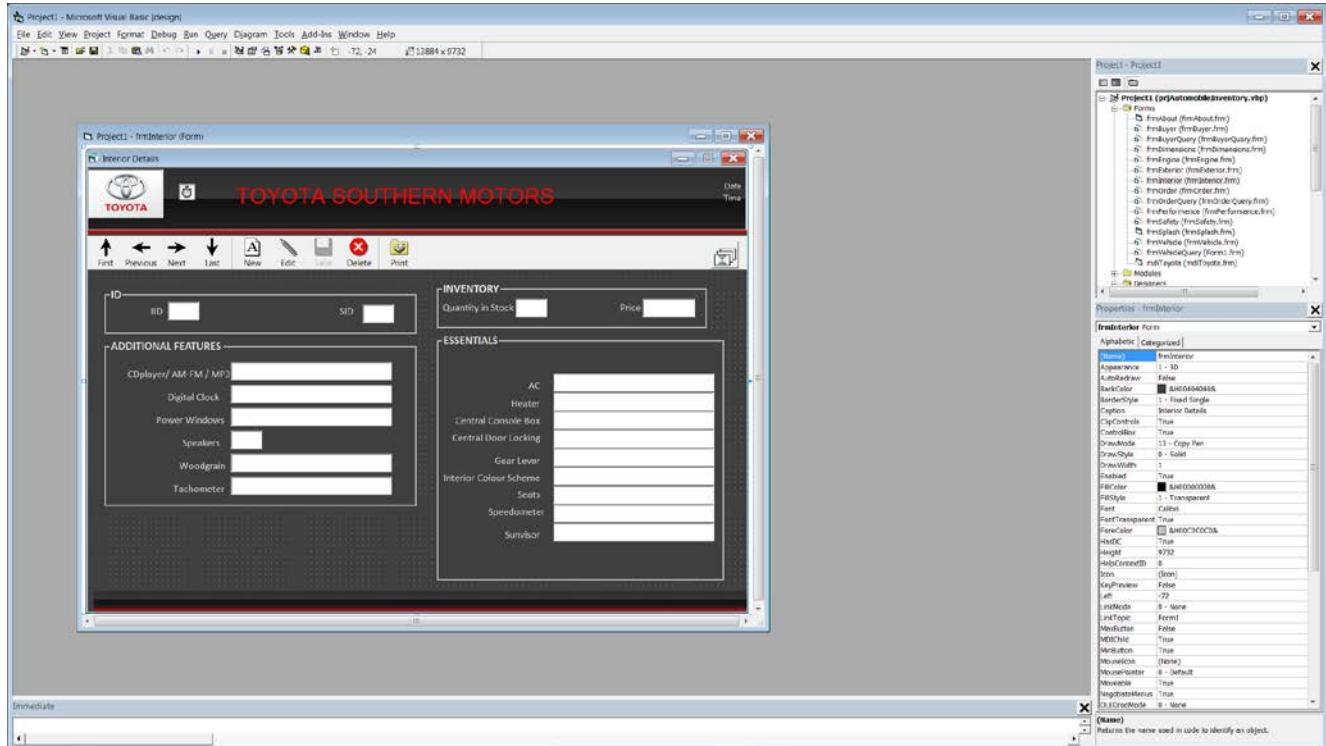


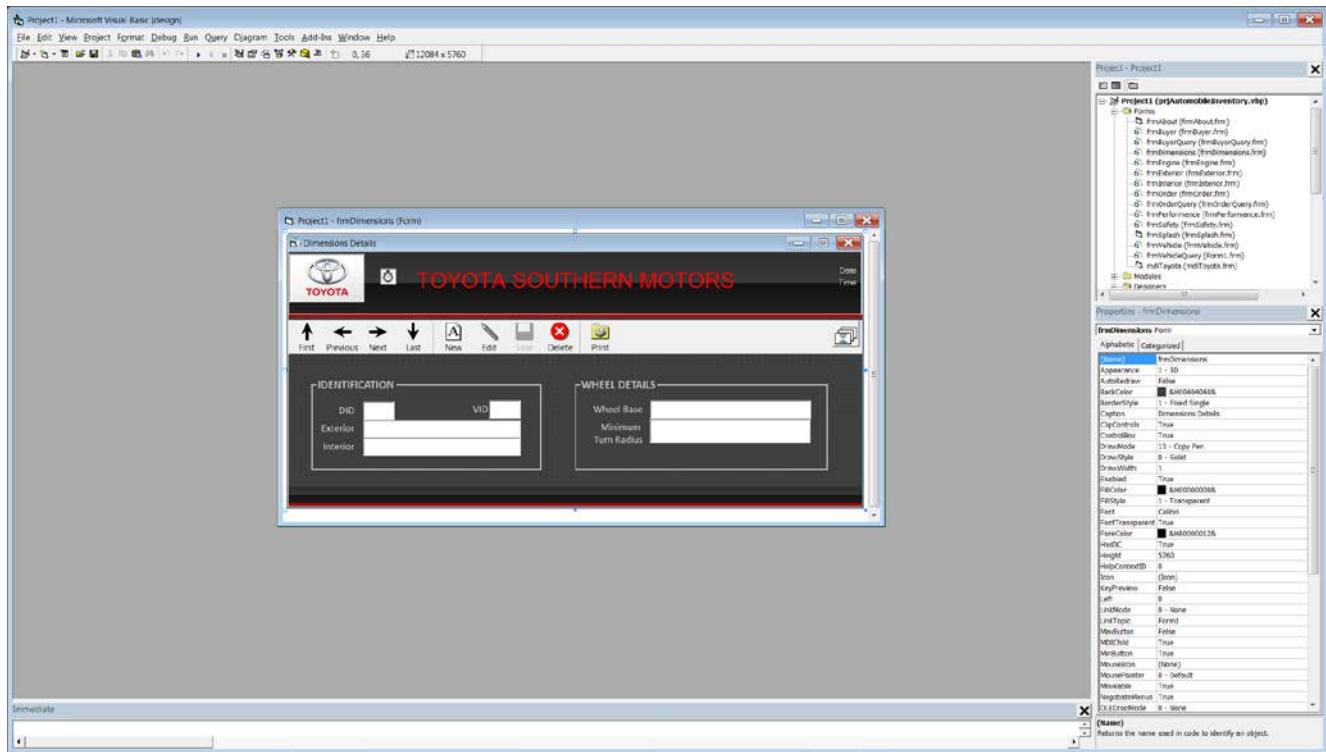
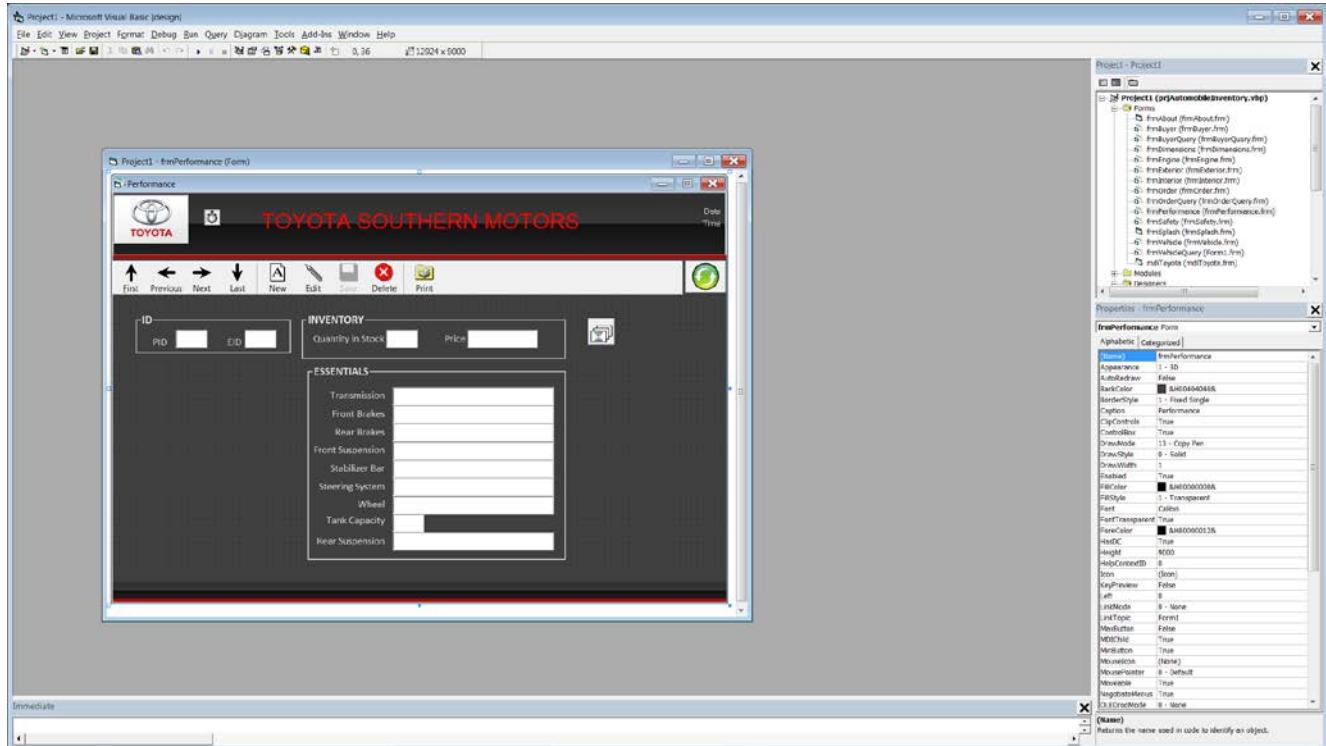
mdiToyota

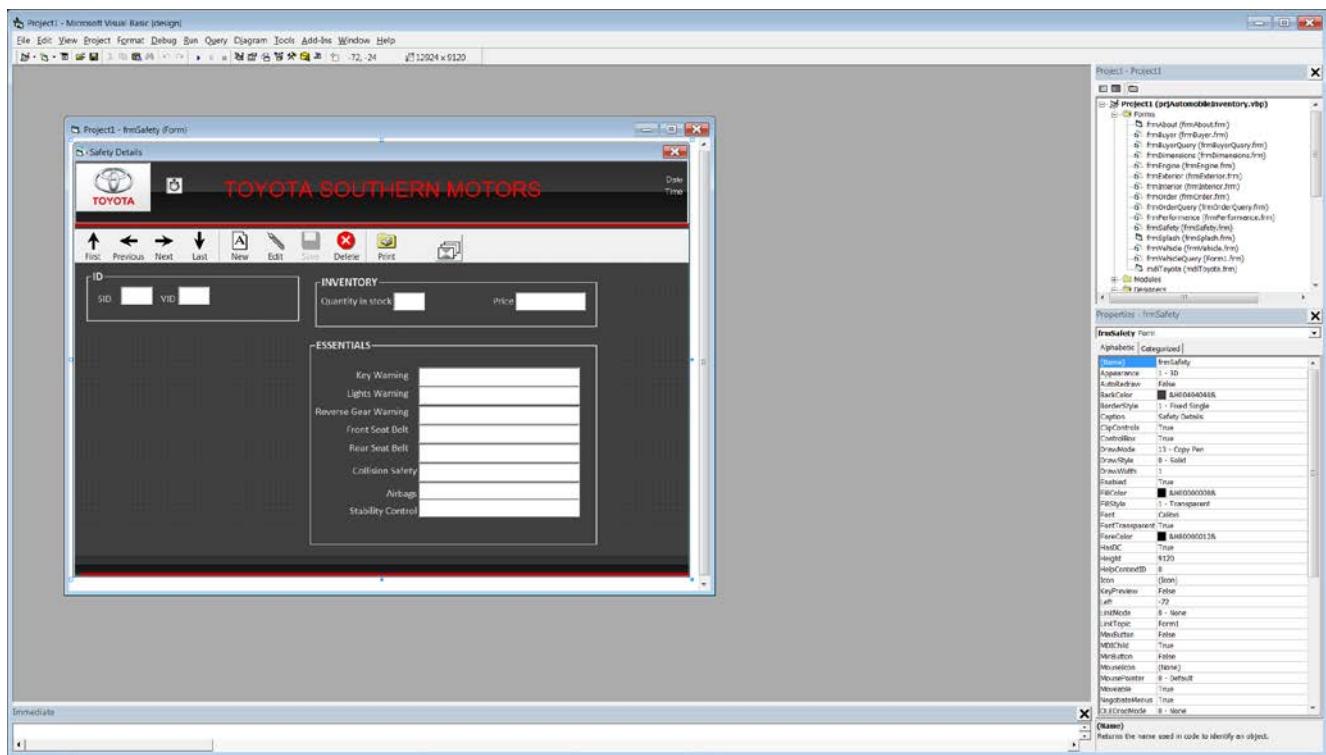
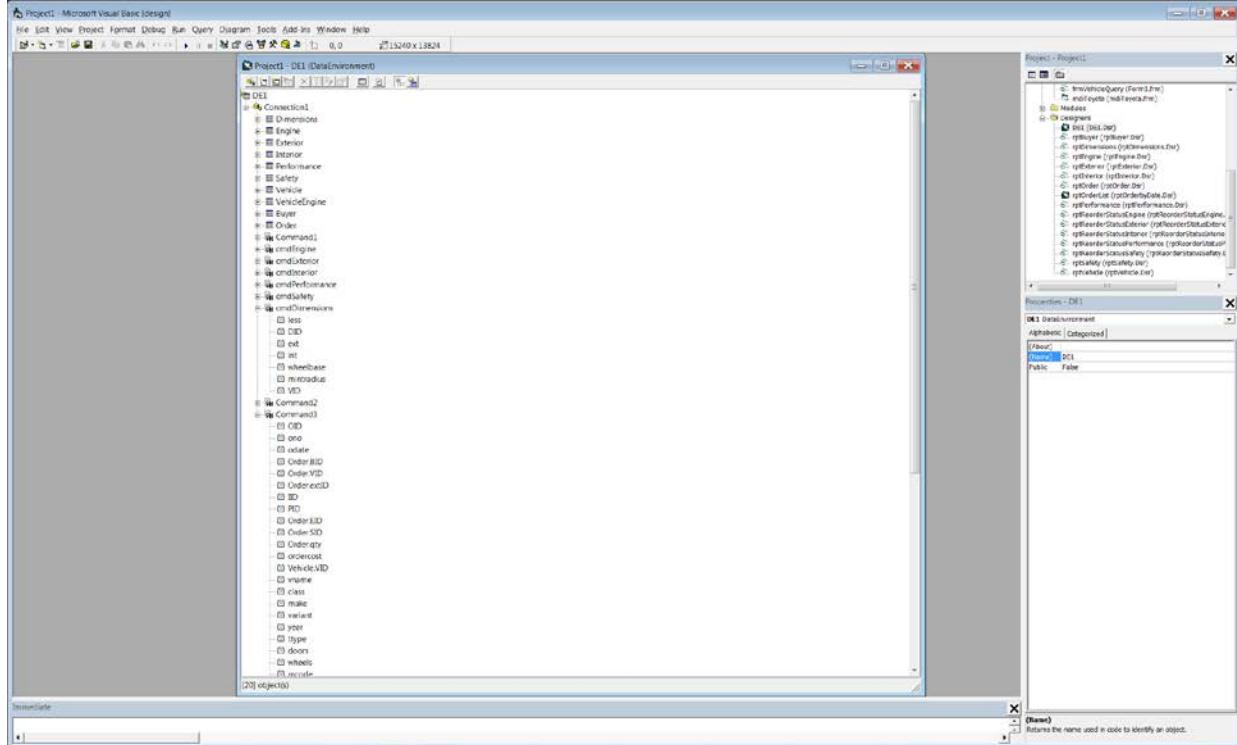


FrmBuyerfrmOrder

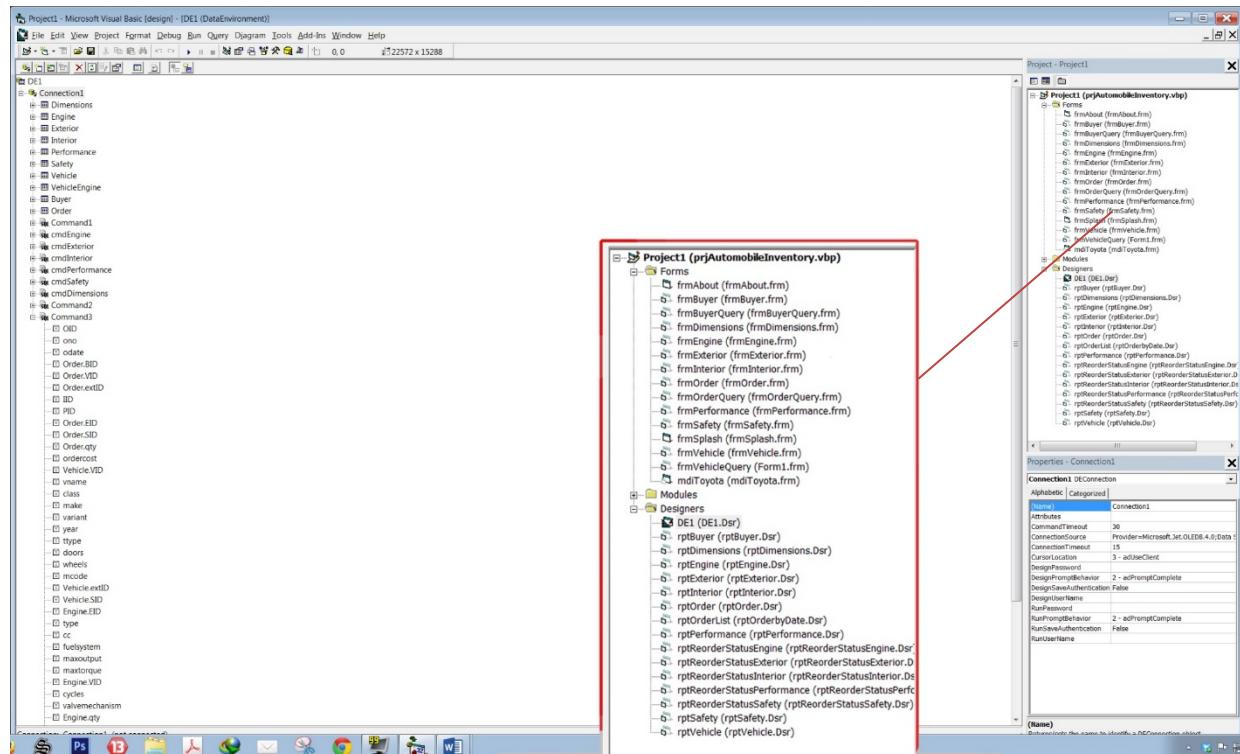
frmVehiclefrmEngine

frmExteriorfrmInterior

frmDimensionsfrmPerformance

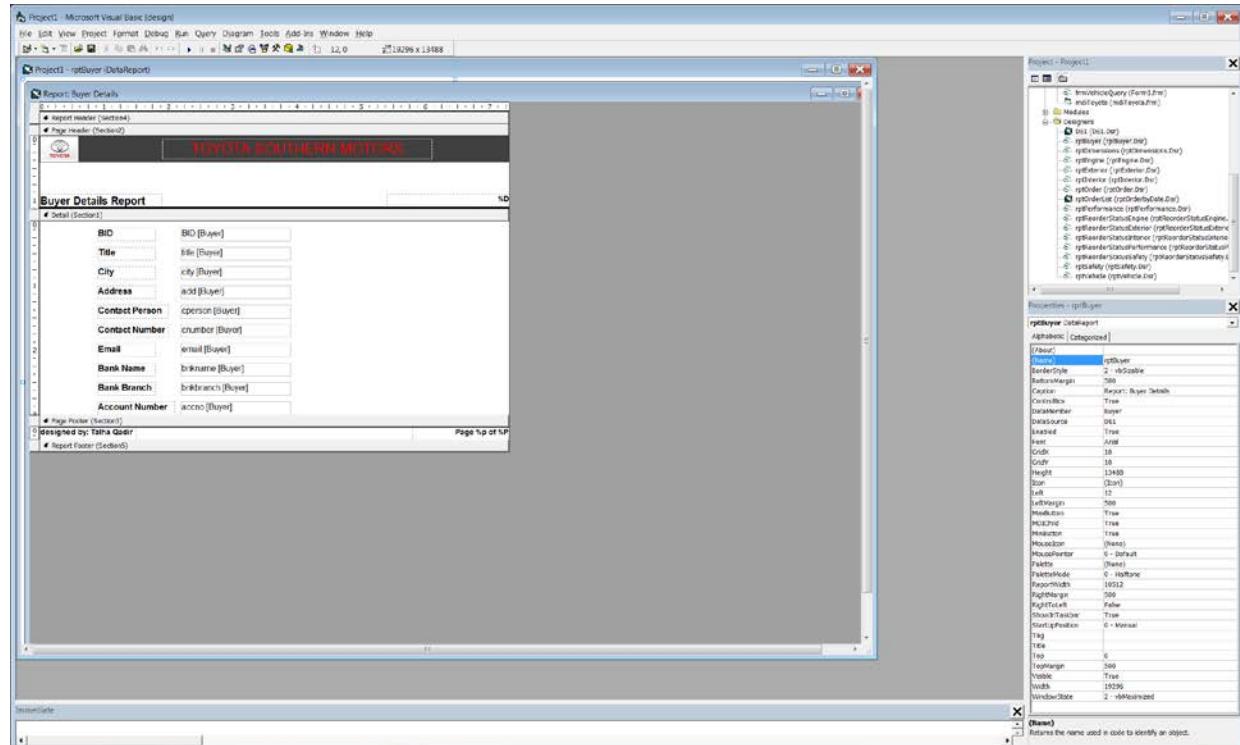
frmSafety5.1.7 Data environment in Design Mode

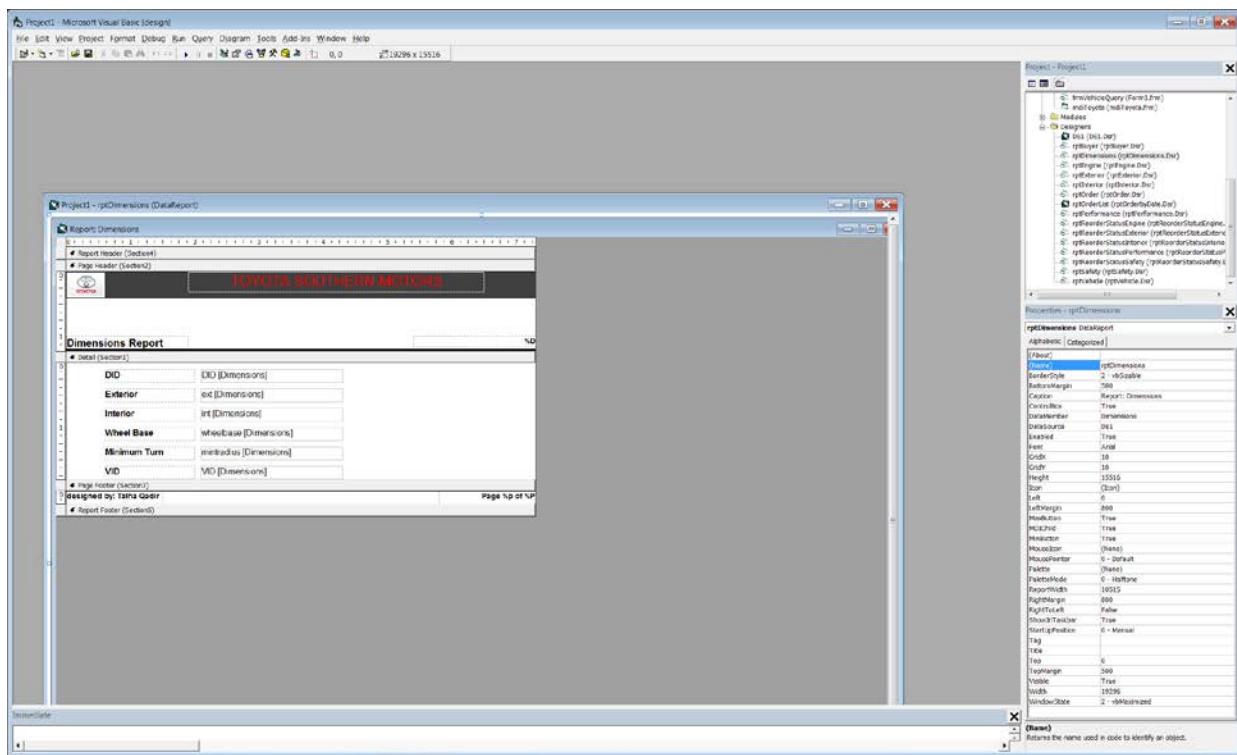
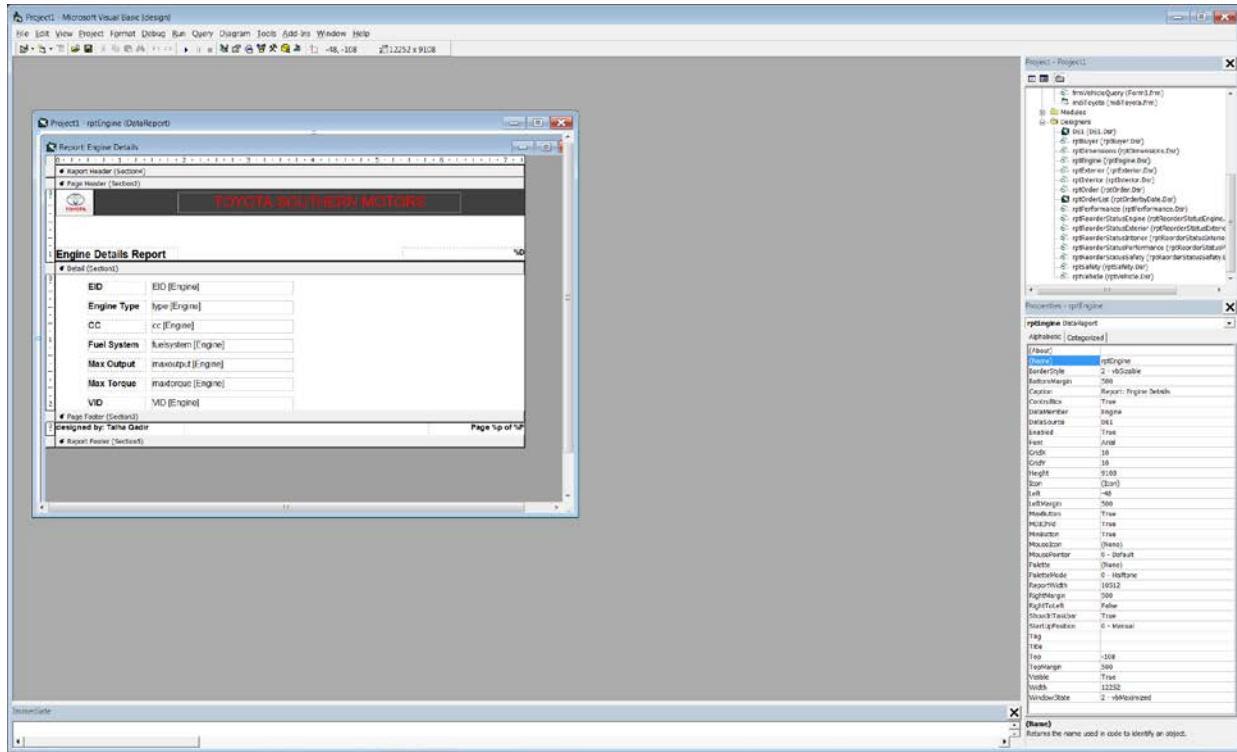
5.1.8 Program Identifiers



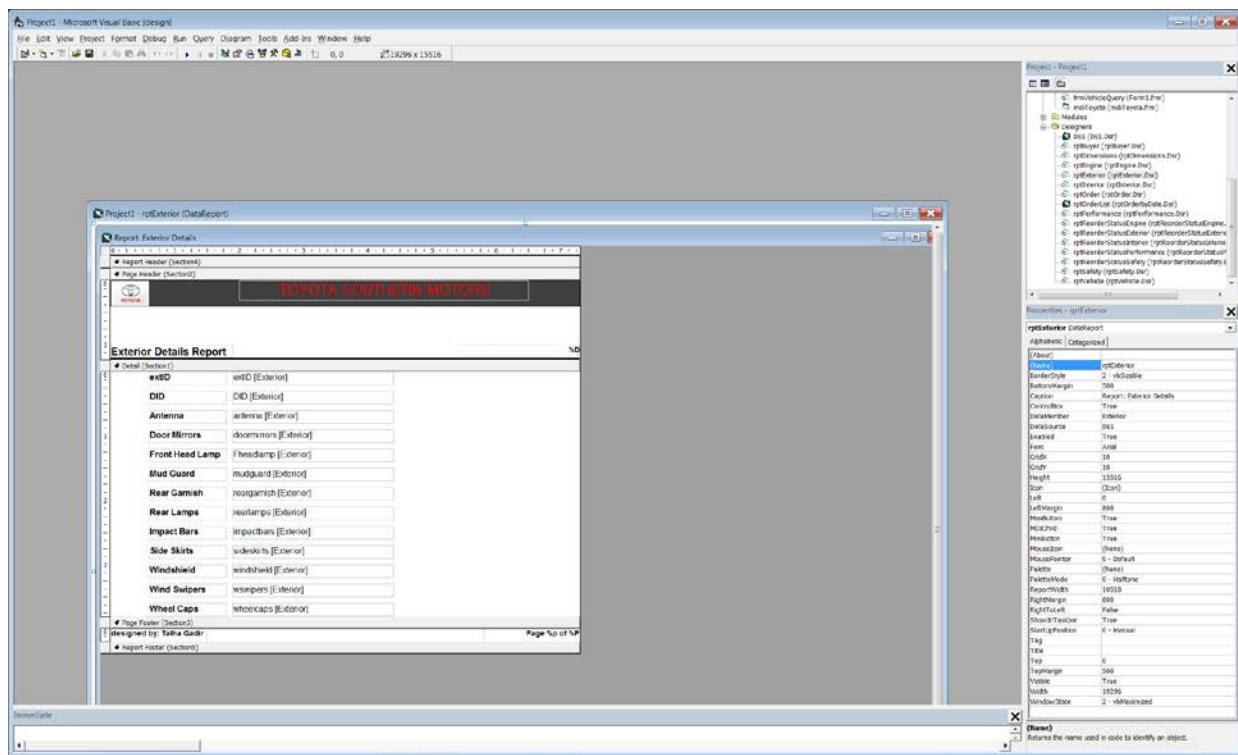
5.1.9 Reports' Structure in Visual Basic

Buyer Details Report

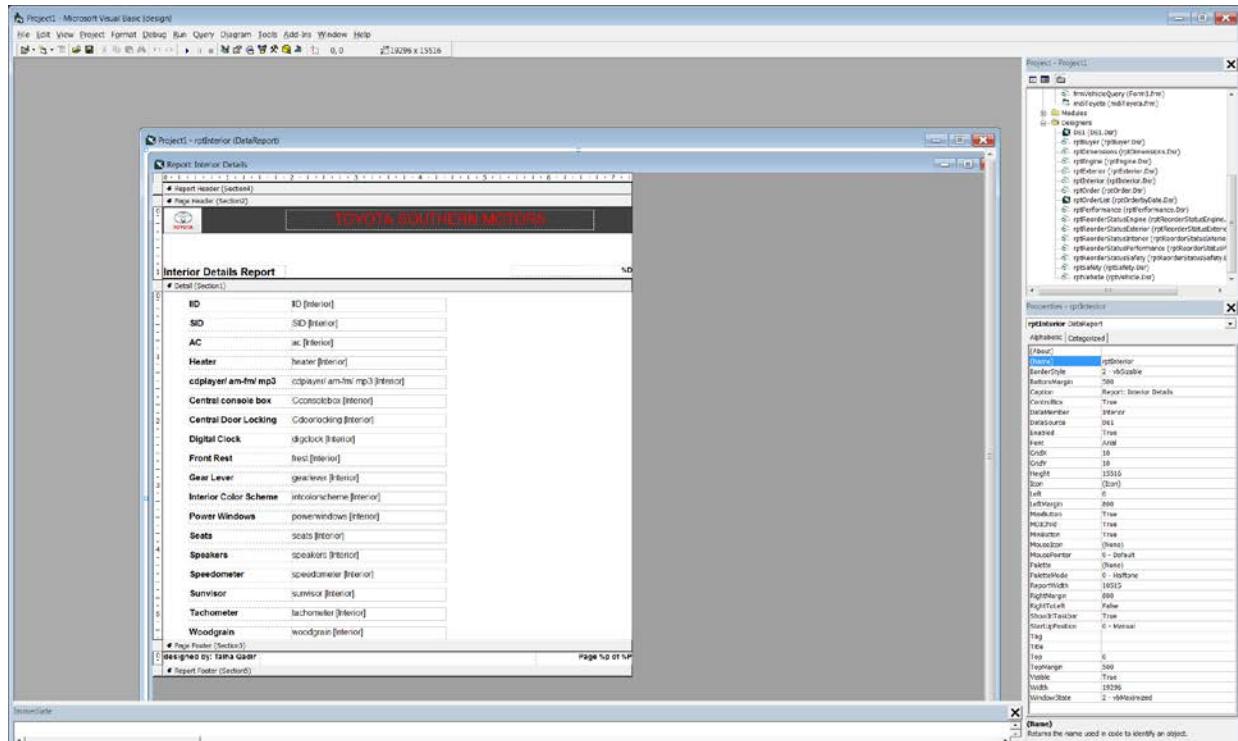


Dimensions ReportEngine Report

Exterior Details Report



Interior Details Report



Order Details Report

The screenshot shows the Microsoft Visual Studio interface with the Order Details Report (rptOrder) open in design mode. The report structure is as follows:

- SAFETY DETAILS:**

ID	Safety SID	Front Seat Belt	Rear Seat Belt	Collision Safety	Stability Control
Key warning	keywarning	Front seat belt	rearbelt	collisionsafety	stabilitycontrol
Lights warning	lightswarning	Rear Seat Belt	rearbelt	Safety VDO	stabilitycontrol
Reverse Gear Warning	reversegearwarning	VDO	safetyvdo	price	Safety.Price
Arbreg	arbreg	Arbreg	warnings		
- PERFORMANCE DETAILS:**

ID	Performance SID	Front	Suspension	Tank capacity	Bank capacity
Transmission	transmission	Front	suspension	Front Suspension	Front Suspension
Front Brakes	brakes	Stabilizer Bar	steering	BID	Performance EID
Rear Brakes	brakes	Steering System	steering		price
		Wheel	wheel		Performance.Price
- INTERIOR DETAILS:**

ID	Interior SID	Digital Clock	Front Seats	Speedometer	Speedometer
AC	AC [Command]	digital clock	front seats	sensor	sensor
Heater	Heater	AC [Command]	grainseats	tachometer	tachometer
Accessories	accessories	interior color	interiorsheets	Woodgrain	woodgrain
Central Console	central console	Power Windows	powerseats		price
Central Door Locking	central door locking	Seats	seats		Interior.Price
		Speakers	speakers		
- EXTERIOR DETAILS:**

ID	Exterior SID	Rear Garnish	Front Grill	Wheel caps	Wheel caps
CID	CID [Command]	rear garnish	Front Grill	wheel caps	wheel caps
Antenna	antenna	Rear Lamps	grill [Command]	Door Handles	handles
Side Mirrors	side mirrors	Impact Bars	impactbars		
Front Head	front head	Side Mirrors	sidemirrors		
Mud Guard	mud guard	Windshield	windshield		
		Wind Shelters	windshelters		
- ENGINE DETAILS:**

ID	Engine SID	Max Torque	Instantaneous	Price	Engine.Price
Type	Type [Command]	V6	Engine VID	CID	CID [Command]
cc	cc [Command]	Cycles	cycles	Order Number	ccs [Command]
Fuel System	Fuel System	Valve Mechanism	valvemechanism	Order Date	ccdate [Command]
Max Output	maxoutput			BID	Order/BID

Performance Details Report

The screenshot shows the Microsoft Visual Studio interface with the Performance Details Report (rptPerformance) open in design mode. The report structure is as follows:

- TRANSMISSION:**

Transmission	transmission [Performance]
--------------	----------------------------
- FRONT BRAKES:**

Front Brakes	brakes [Performance]
--------------	----------------------
- REAR BRAKES:**

Rear Brakes	rbikes [Performance]
-------------	----------------------
- SUSPENSION:**

Front Suspension	suspension [Performance]
------------------	--------------------------
- STABILIZER BAR:**

Stabilizer Bar	stabilizerbar [Performance]
----------------	-----------------------------
- STEERING SYSTEM:**

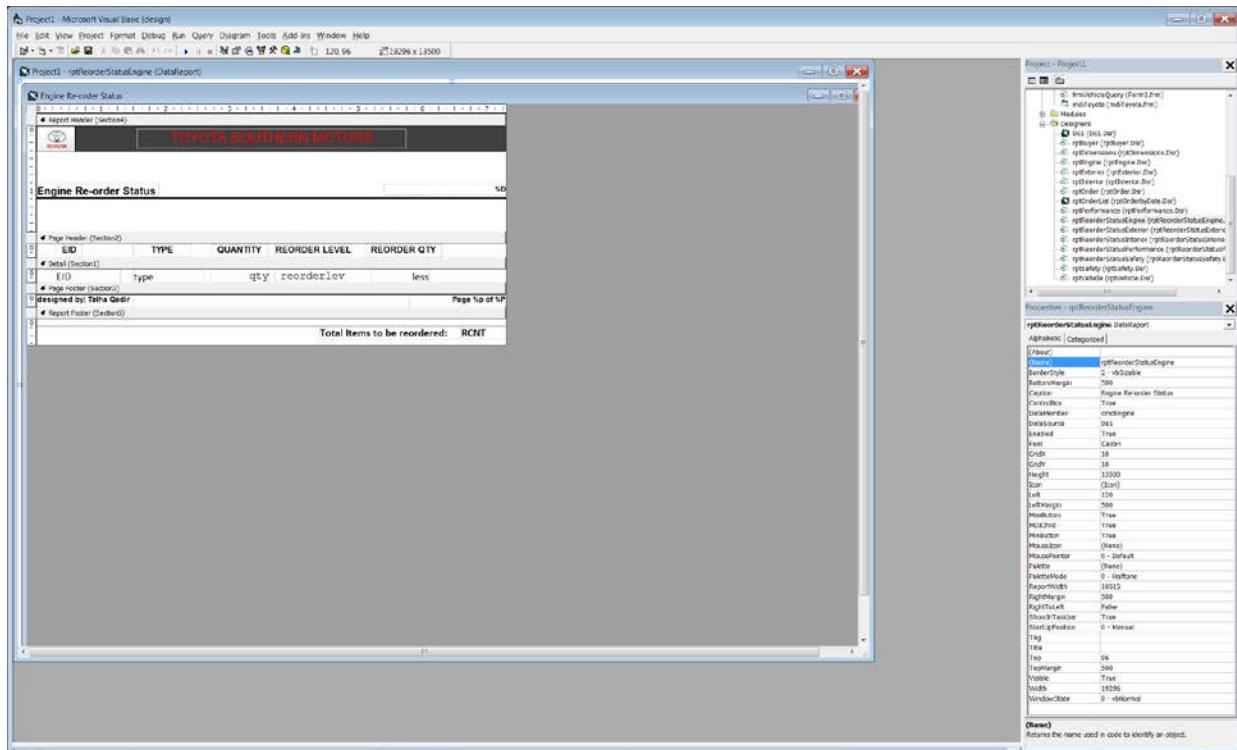
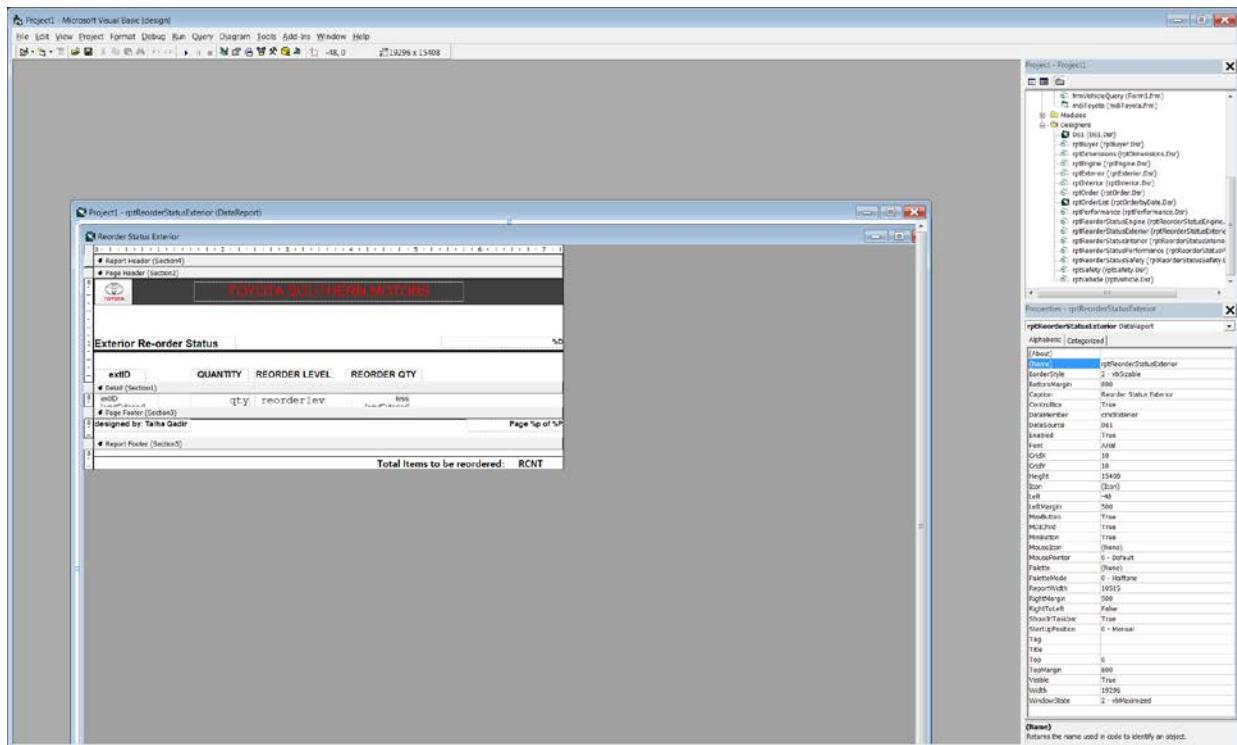
Steering System	steering system [Performance]
-----------------	-------------------------------
- WHEEL:**

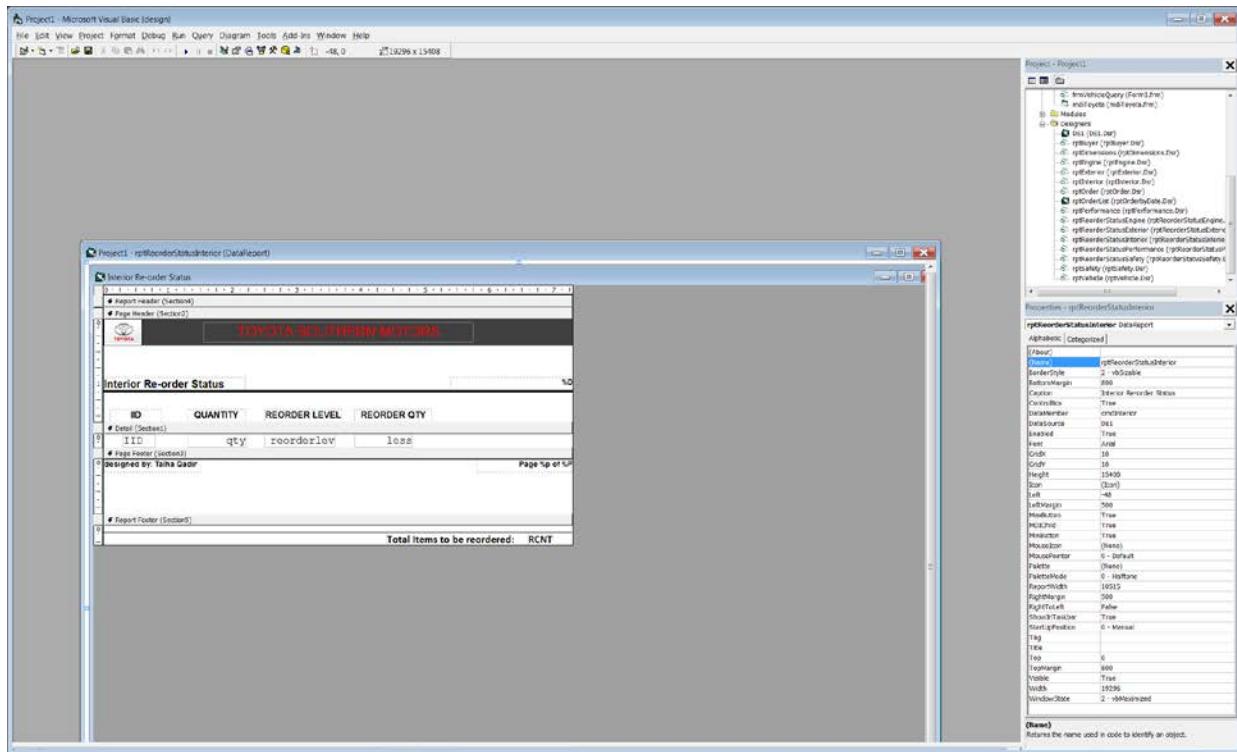
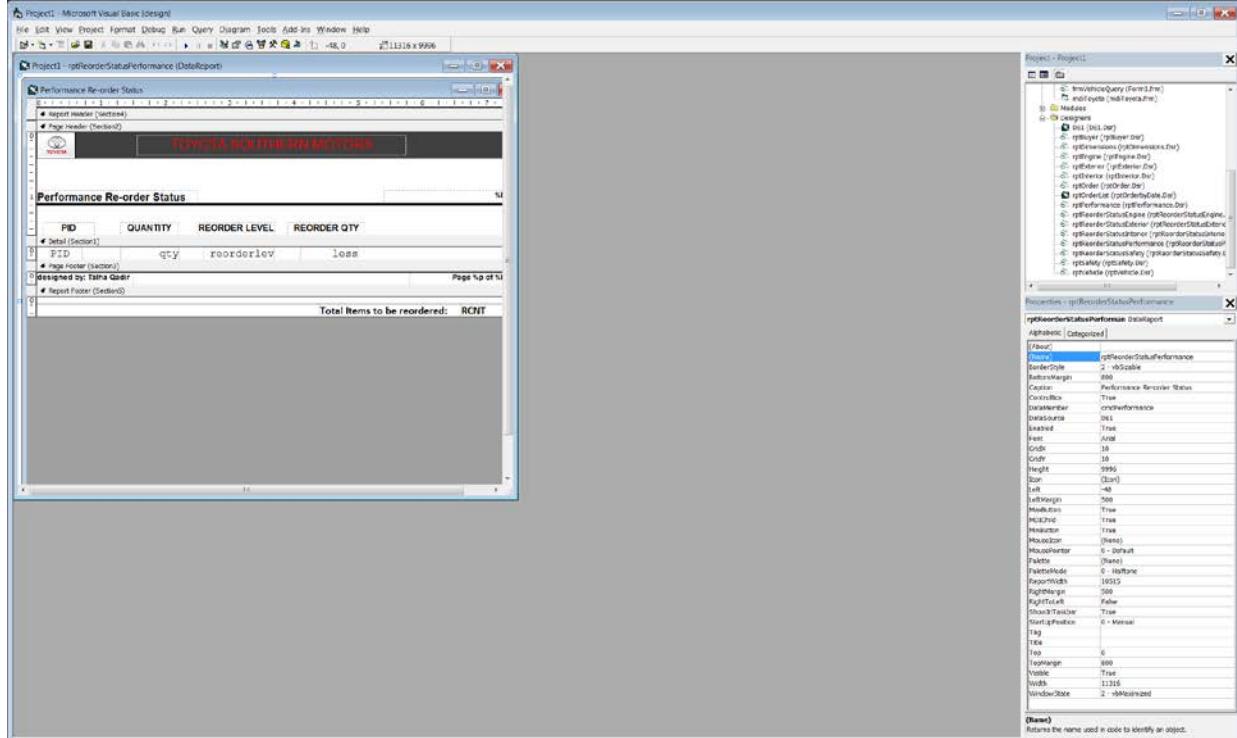
Wheel	wheel [Performance]
-------	---------------------
- TANK CAPACITY:**

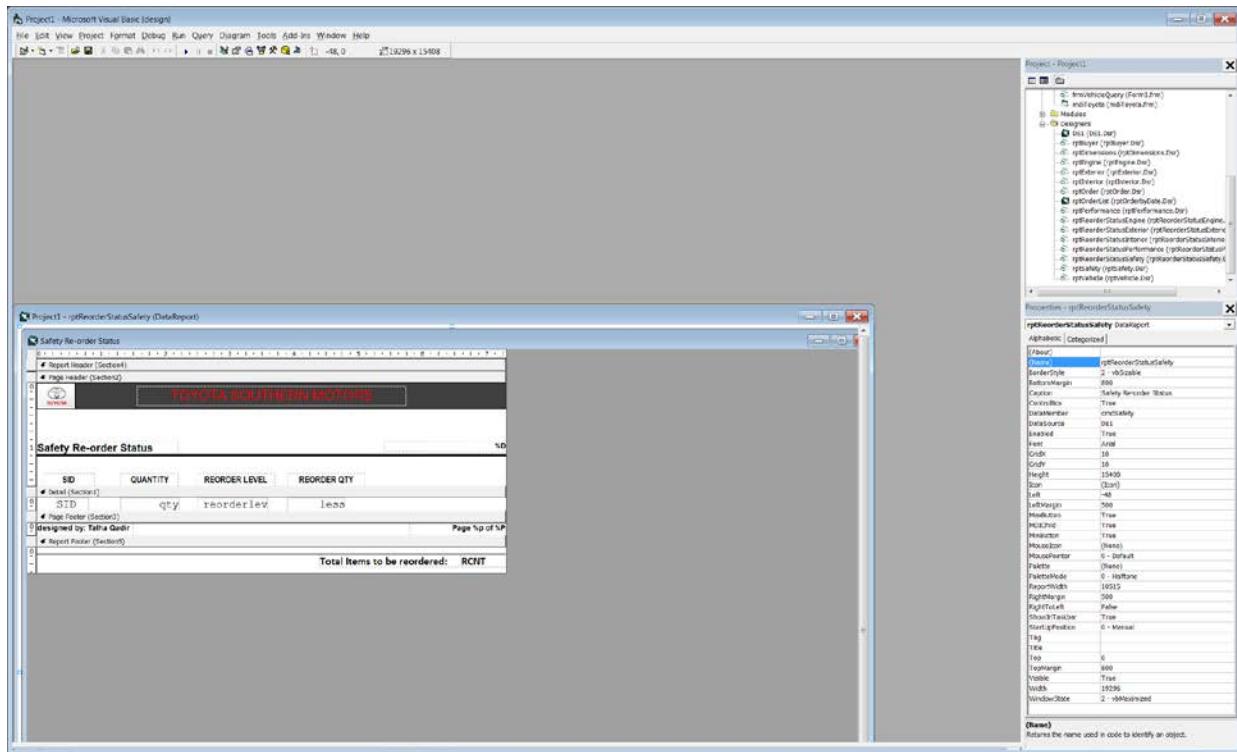
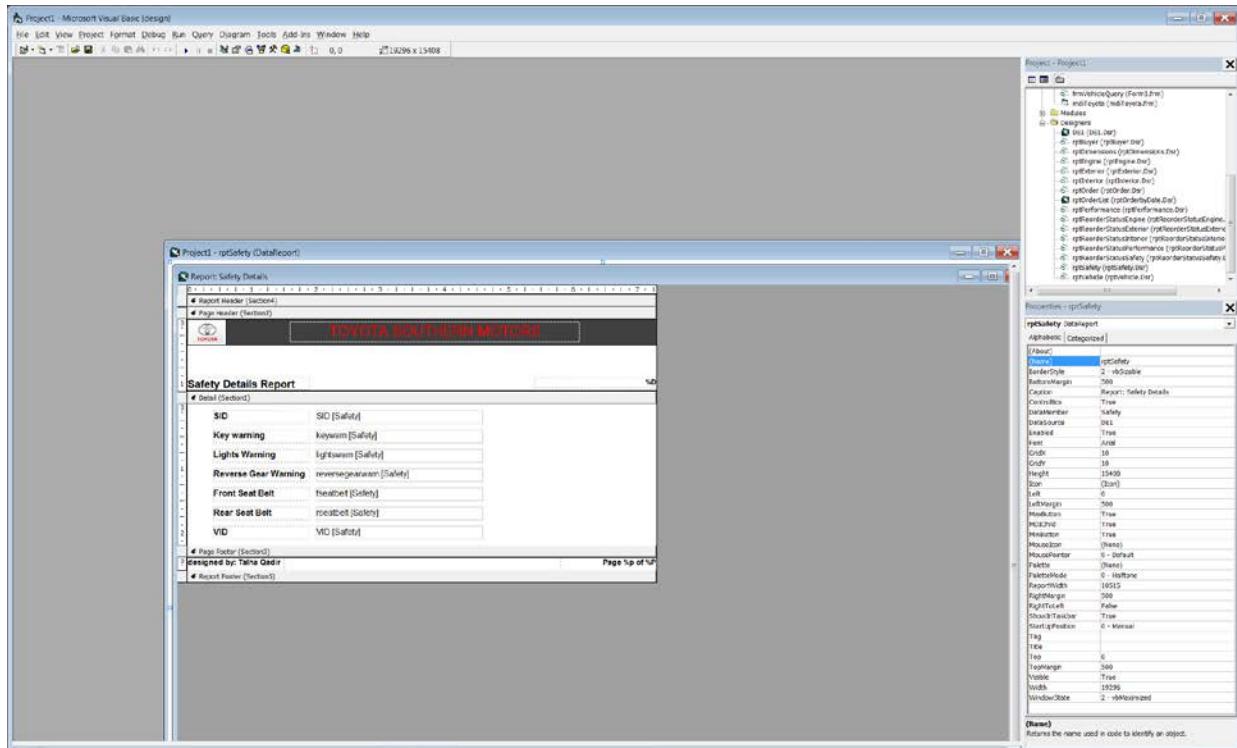
Tank Capacity	tankcapacity [Performance]
---------------	----------------------------
- REAR SUSPENSION:**

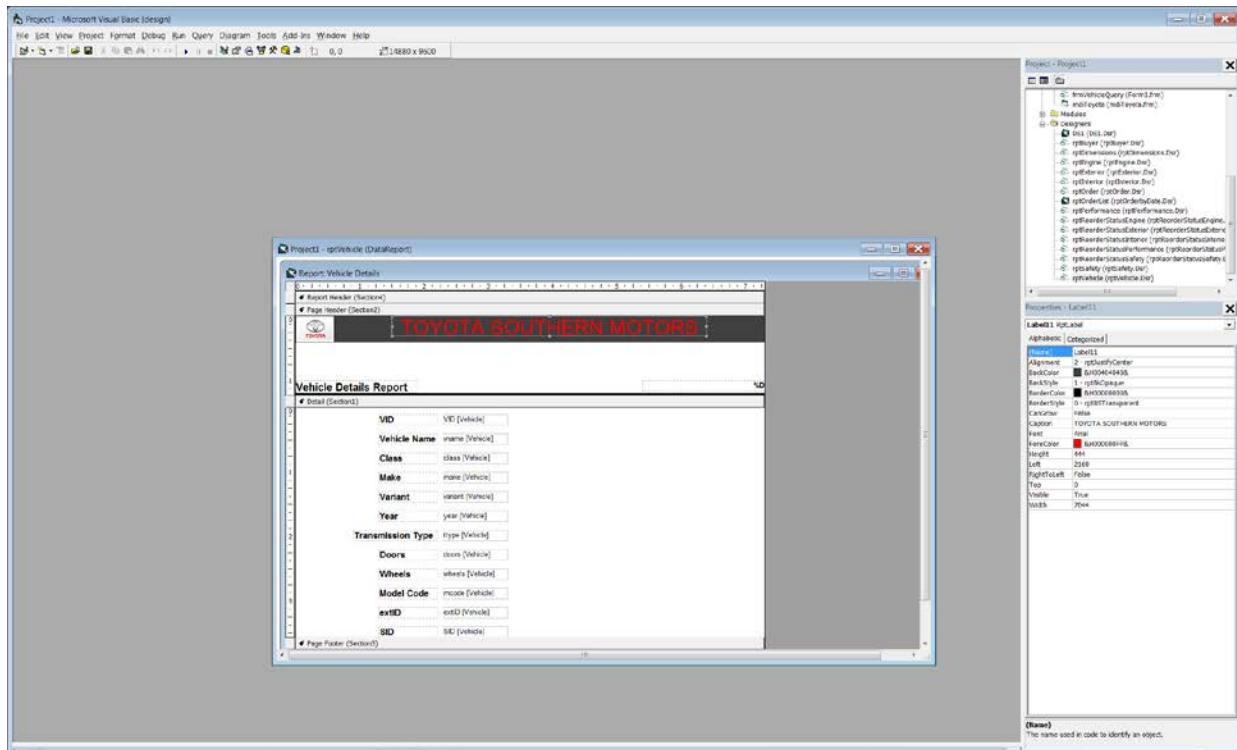
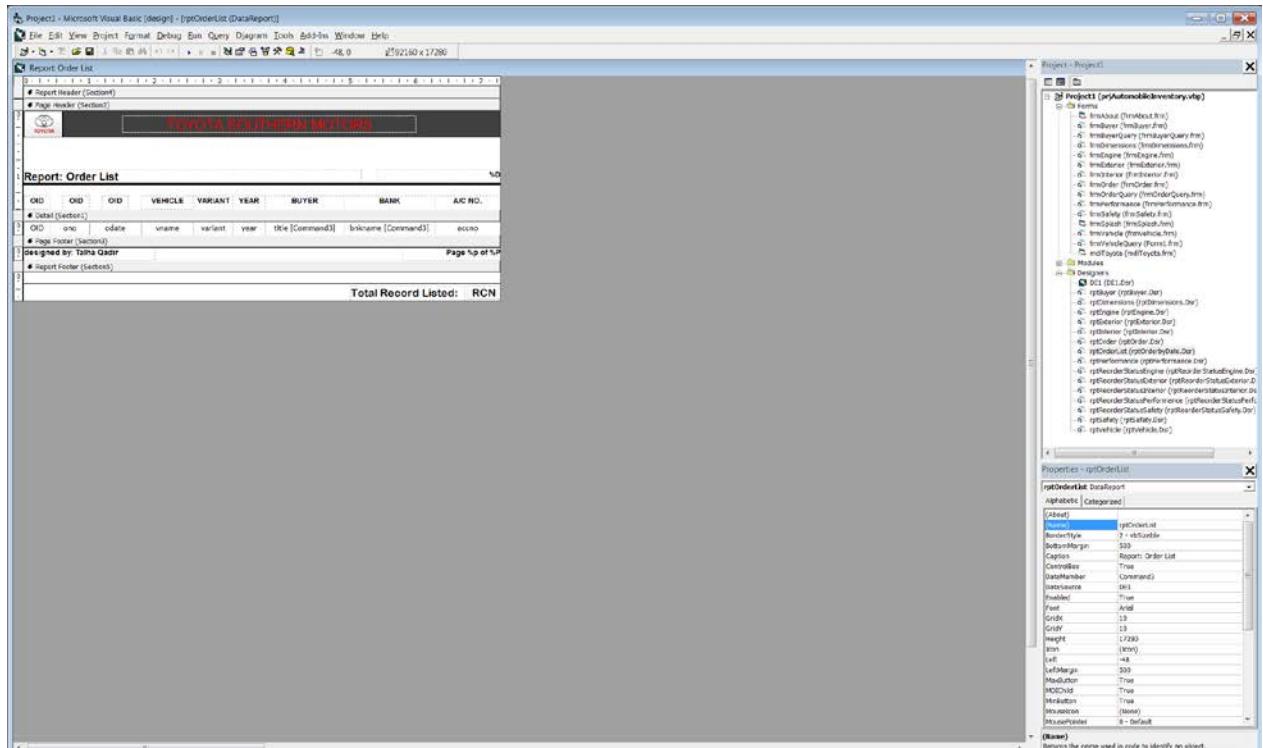
Rear Suspension	rsuspension [Performance]
-----------------	---------------------------
- ENGINE:**

BID	BID [Performance]
-----	-------------------

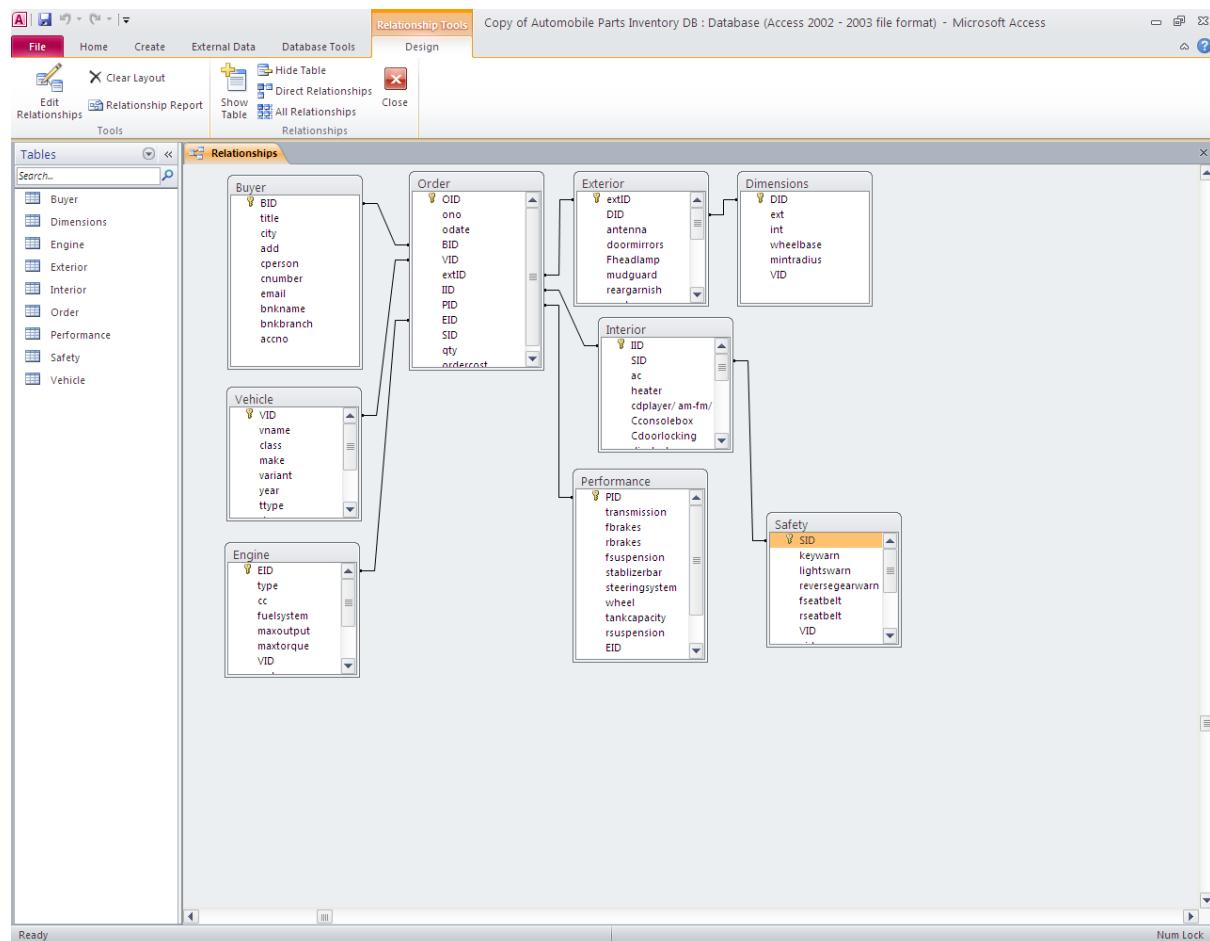
Engine Re-Order Status ReportExterior Re-Order Status Report

Interior Re-Order Status ReportPerformance Re-Order Status Report

Safety Re-Order Status ReportSafety Details Report

Vehicle Details ReportOrder List Report

5.1. 10 ERD - Relationship diagram in Database (MS-ACCESS)



5.2 USER DOCUMENTATION

5.2.1 User Documentation

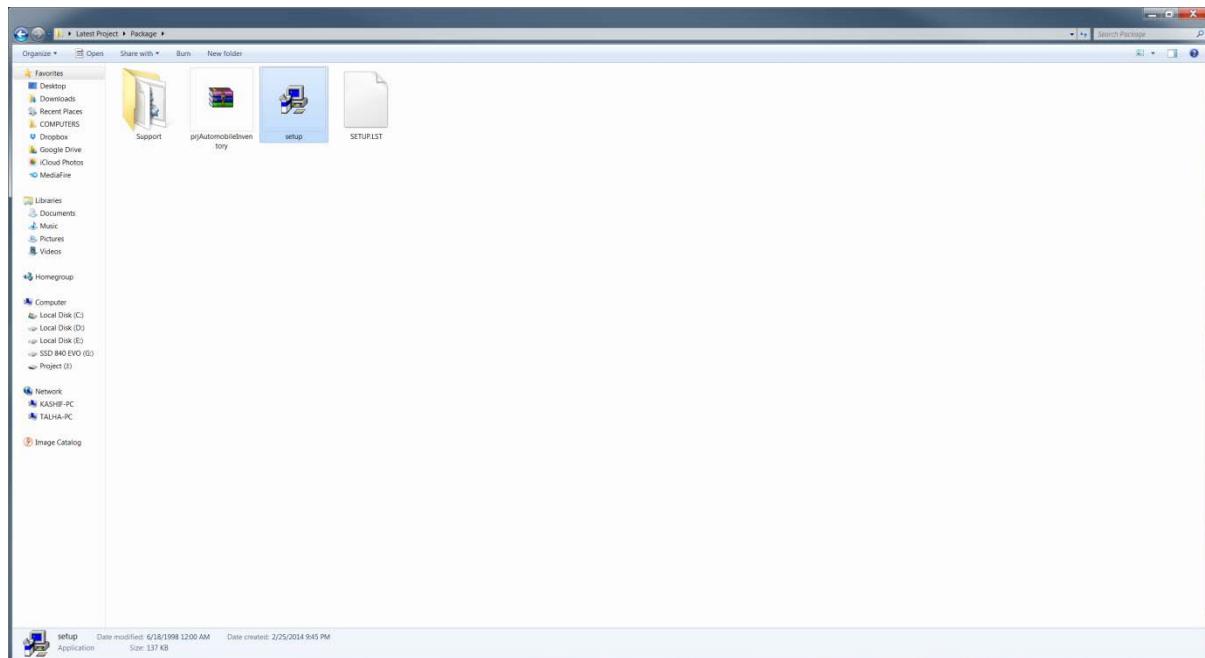
Introduction

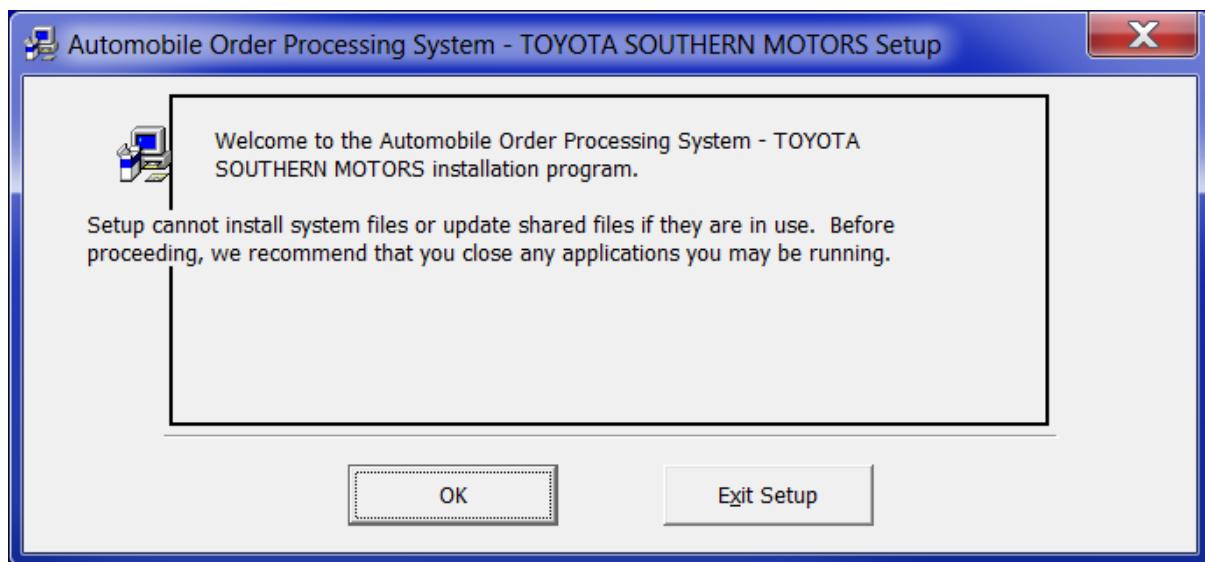
This software is designed to help organize information of Vehicles and their corresponding parts for Toyota Southern Motors. This system is designed for Windows XP/Vista/Windows 7/Windows 8 with a minimum ram of 4 GB

Getting started

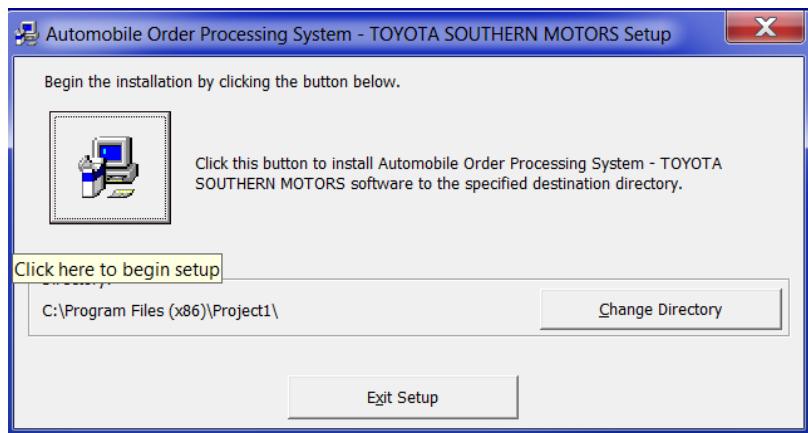
How to install the software.

Open the program package and then run the "setup" to install the software as shown below:

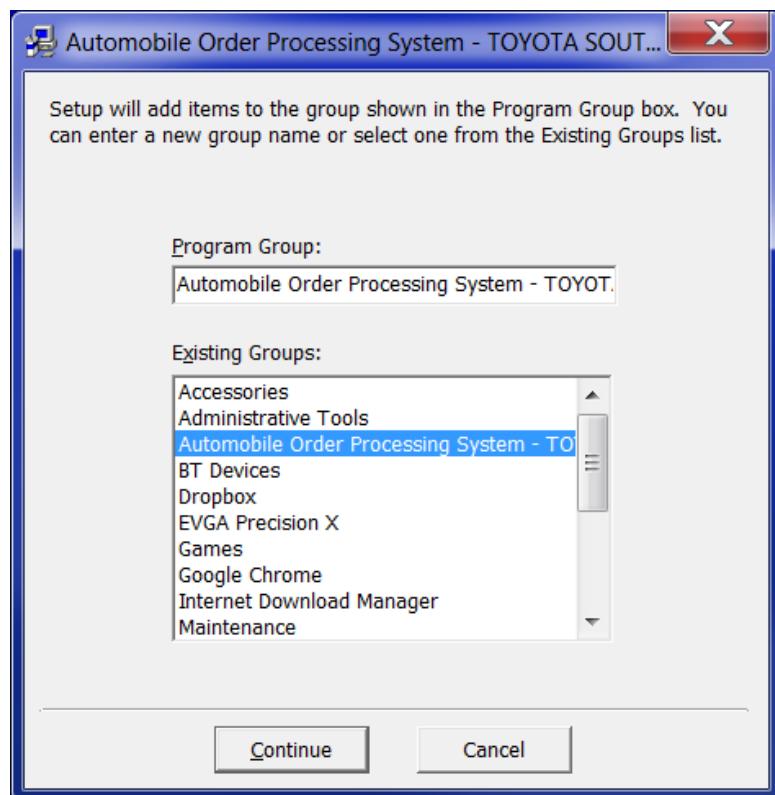




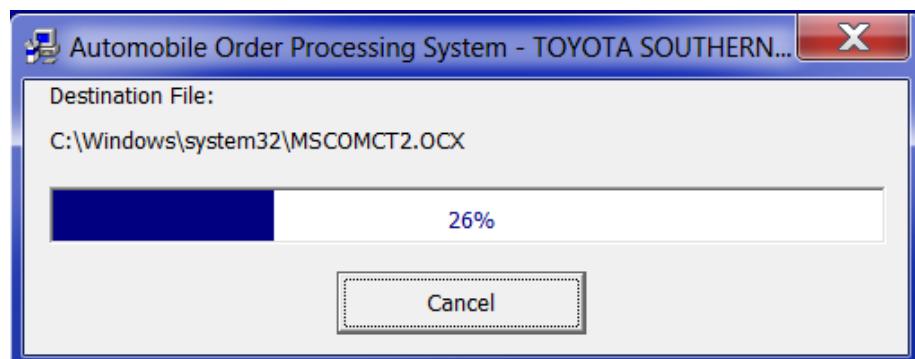
Click on "Change directory" if you wish to install the software in a different directory than the default one. Then, click on the button to start installation.



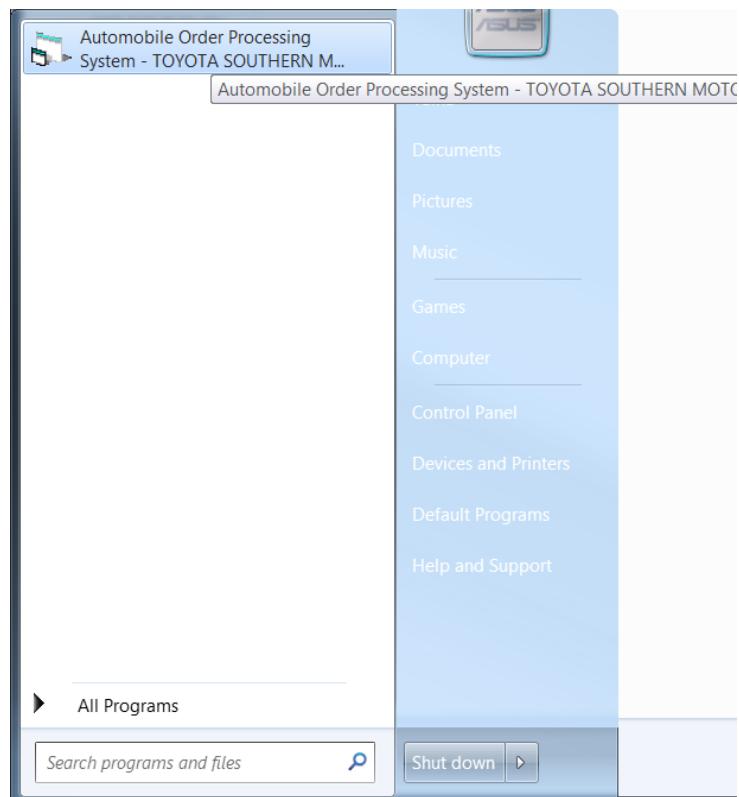
Click on "**continue**" to continue the installation and click on "cancel" if you wish to Cancel the installation.



This may take a few seconds to install on your system, depending on your hardware configuration. Click ok when the setup is completed successfully.



Once the installation is complete, you are ready to use the software. Navigate to the start menu and click on the program.

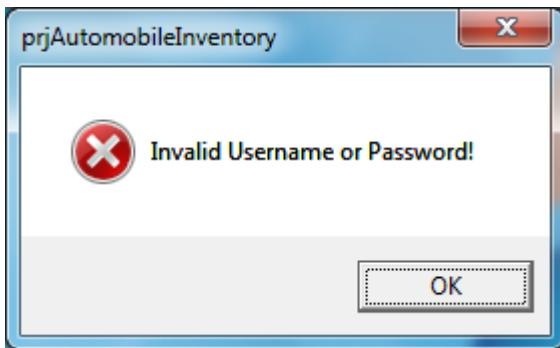


5.2.3 Login Form

This is the first form that is loaded once the executable file is executed. The User must provide his Username and Password.

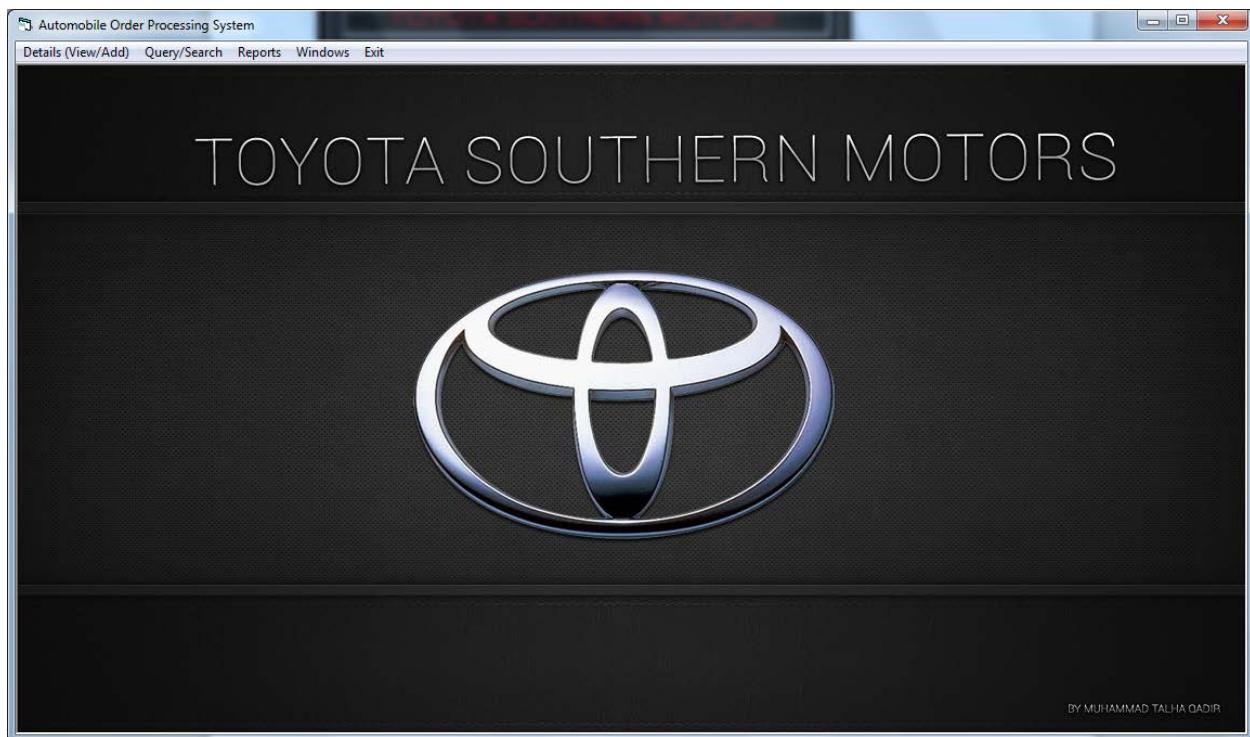


If Incorrect Username and/or Password is entered, then the following error message is shown.

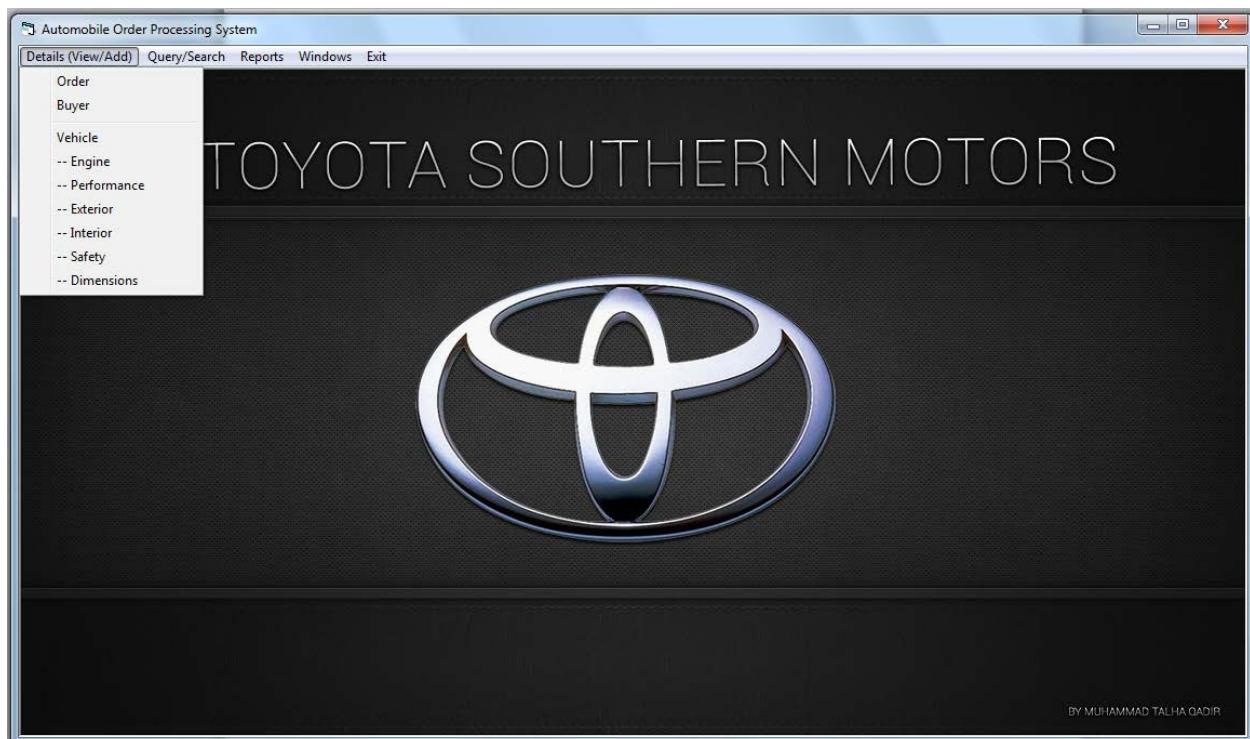


Upon entering the correct Username and Password, the user is brought to the Main menu.

5.2.4 Main Menu

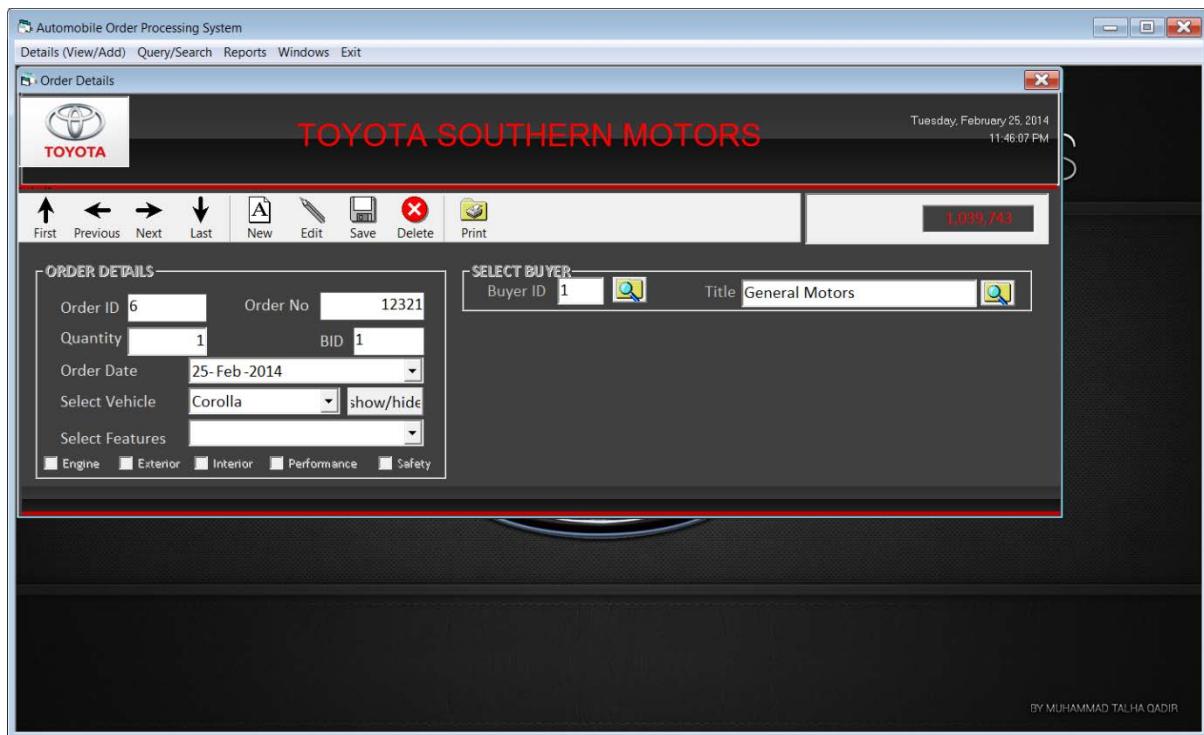


This form is called the "Main Menu". It allows the user to open forms, view reports and search for data.



The "Details (View/Add)" shows all the available forms. By clicking any of the options in the drop down list, the respective form is opened.

In order to view the Order form, the user has to click on "Details (View/Add)" and then select "Order" from the options in the drop down list. The main form for Order records will be opened as shown below.



To view the First record, the user has to click on the "First" button as shown below:



To view the Last record, the user has to click on the "Last" button as shown below:



To view the Previous record, the user has to click on the "Previous" button as shown below:

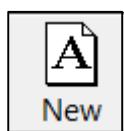


To view the Next record, the user has to click on the "Next" button as shown below:



In this form, if the user wants to:

Enter a new record, then he must click on the following button:



Clicking on the "New" button will result in a blank form being loaded as shown below:

A screenshot of a Windows application window titled "Automobile Order Processing System". The menu bar includes "Details (View/Add)", "Query/Search", "Reports", "Windows", and "Exit". The main title bar says "Order Details" and features the Toyota logo. The window header displays "TOYOTA SOUTHERN MOTORS" and the date "Wednesday, February 26, 2014" with time "9:50:24 PM". Below the header is a toolbar with buttons for First, Previous, Next, Last, New, Edit, Save, Delete, and Print. The main content area is divided into two sections: "ORDER DETAILS" and "SELECT BUYER". The "ORDER DETAILS" section contains fields for Order ID (16), Order No (140226-16), Quantity (1), BID (1), Order Date (25-Feb-2014), Select Vehicle (Corolla), and Select Features (checkboxes for Engine, Exterior, Interior, Performance, Safety). The "SELECT BUYER" section shows Buyer ID (1) and Title (General Motors) with a search icon. At the bottom of the window, there is a footer with the text "BY MUHAMMAD TALHA QADIR".

Edit a record, then he must click on the following button:



By pressing the "Edit" button the frames will be unlocked and will be ready for editing.

VEHICLE NAME	CLASS	MAKE	VARIANT	YEAR	TRIM
Corolla	Passenger	Toyota	Xli	2012	Mi
Corolla	Passenger	Toyota	Gli	2012	Mi
Corolla	Passenger	Toyota	Gli Automatic	2012	Au
Corolla	Passenger	Toyota	Altis	2013	Mi
Corolla	Passenger	Toyota	Altis	2013	Mi

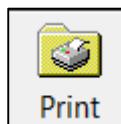
Save a record, then he must click on the following button:



Delete a record, then he must click on the following button:



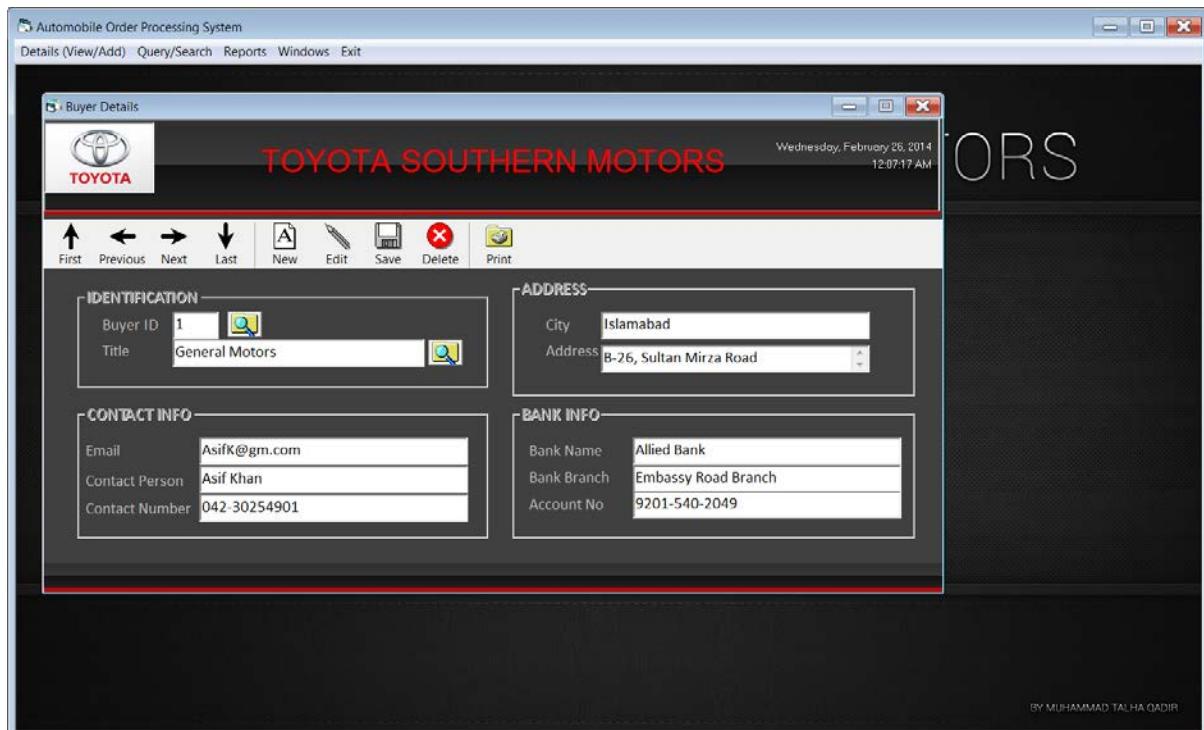
Print a report of the record, then he must click on the following button:



Next to view the Buyer form, the user has to click on "Details (View/Add)" and then select "Buyer" from the options in the drop down list, as shown below:



Upon clicking "Buyer", the following form is opened:



To view the First record, the user has to click on the "First" button as shown below:



To view the Last record, the user has to click on the "Last" button as shown below:



To view the Previous record, the user has to click on the "Previous" button as shown below:



To view the Next record, the user has to click on the "Next" button as shown below:



In this form, if the user wants to:

Enter a new record, then he must click on the following button:



Clicking on the "New" button will result in a blank form being loaded as shown below:

A screenshot of a Windows application window titled "Buyer Details". The window has a dark theme with red highlights. At the top, there is a menu bar with "Automobile Order Processing System" and options like "Details (View/Add)", "Query/Search", "Reports", "Windows", and "Exit". The main area is titled "TOYOTA SOUTHERN MOTORS" and displays the date and time: "Wednesday, February 26, 2014" and "9:52:50 PM". The window is divided into several sections: "IDENTIFICATION" (Buyer ID, Title), "ADDRESS" (City, Address), "CONTACT INFO" (Email, Contact Person, Contact Number), and "BANK INFO" (Bank Name, Bank Branch, Account No). Each section contains input fields and a magnifying glass icon for search. A "Print" button is also visible in the toolbar. The bottom right corner of the window says "BY MUHAMMAD TALHA QADIR".

Edit a record, then he must click on the following button:



By pressing the "Edit" button the frames will be unlocked and will be ready for editting.

A screenshot of a Windows application window titled "Buyer Details". The window has a dark theme with red and white text. At the top, it displays the Toyota logo and the text "TOYOTA SOUTHERN MOTORS". The status bar shows the date "Wednesday, February 26, 2014" and time "9:54:20 PM". The menu bar includes "Details (View/Add)", "Query/Search", "Reports", "Windows", and "Exit". Below the menu is a toolbar with icons for First, Previous, Next, Last, New, Edit, Save, Delete, and Print. The main content area is divided into four sections: "IDENTIFICATION" (Buyer ID: 1, Title: General Motors), "ADDRESS" (City: Islamabad, Address: B-26, Sultan Mirza Road), "CONTACT INFO" (Email: AsifK@gm.com, Contact Person: Asif Khan, Contact Number: 042 30254901), and "BANK INFO" (Bank Name: Allied Bank, Bank Branch: Embassy Road Branch, Account No: 9201-540-2049). The bottom right corner of the window contains the text "BY MUHAMMAD TALHA QADIR".

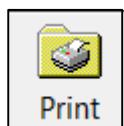
Save a record, then he must click on the following button:



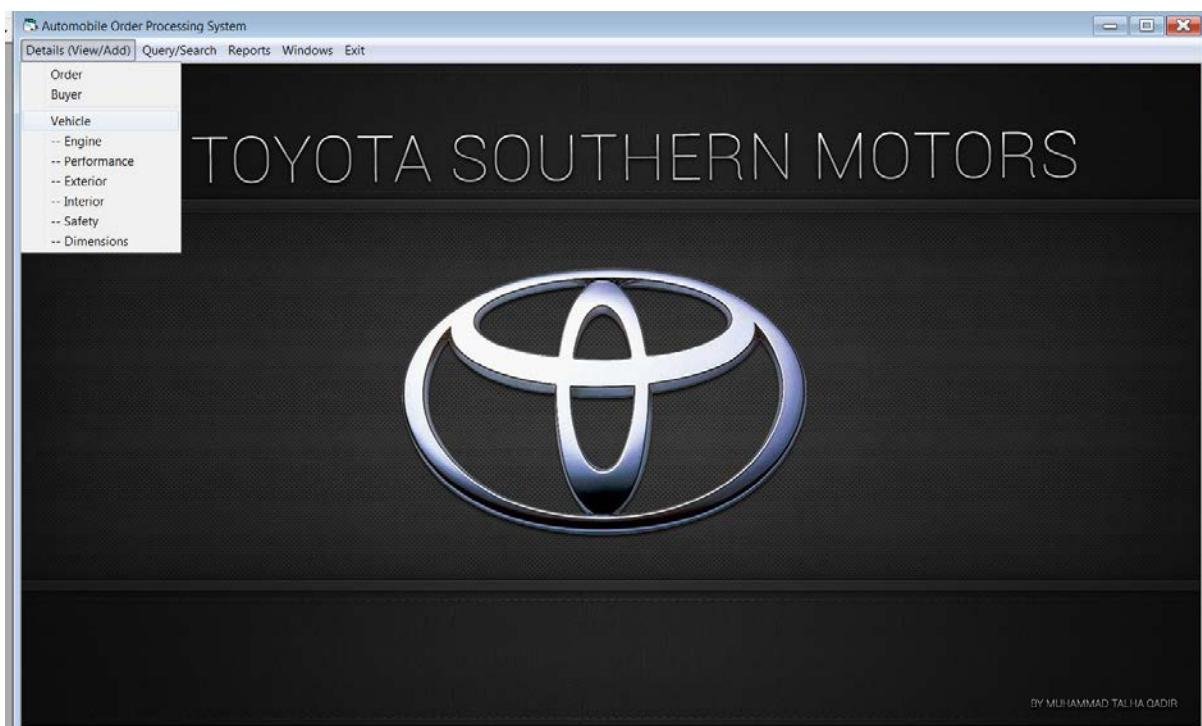
Delete a record, then he must click on the following button:



Print a report of the record, then he must click on the following button:



To view the Vehicle form, the user has to click on "Details (View/Add)" and then select "Vehicle" from the options in the drop down list, as shown below:



Upon clicking "Vehicle", the following form is opened:

To view the First record, the user has to click on the "First" button as shown below:



To view the Last record, the user has to click on the "Last" button as shown below:



To view the Previous record, the user has to click on the "Previous" button as shown below:



To view the Next record, the user has to click on the "Next" button as shown below:



In this form, if the user wants to:

Enter a new record, then he must click on the following button:



Clicking on the "New" button will result in a blank form being loaded as shown below:

A screenshot of a Windows application window titled "Vehicle Details". The window has a dark theme with red and white accents. At the top left is the Toyota logo. The top right shows the date and time: "Wednesday, February 26, 2014" and "10:02:29 PM". A toolbar at the top contains icons for First, Previous, Next, Last, New, Edit, Save, Delete, and Print. The main area is divided into two sections: "IDENTIFICATION" on the left and "SPECIFICATION" on the right. In the "IDENTIFICATION" section, there are four input fields: "Vehicle ID" with value "25", "Model Code" with a placeholder box, "Name" with a placeholder box, "Make" with a placeholder box, and "Year" with a placeholder box. In the "SPECIFICATION" section, there are four input fields: "Variant" with a placeholder box, "Transmission Type" with a placeholder box, "Class" with a placeholder box, and "Doors" with a placeholder box. The bottom right corner of the window has the text "BY MUHAMMAD TALHA QADIR".

Edit a record, then he must click on the following button:



By pressing the "Edit" button the frames will be unlocked and will be ready for editting.

A screenshot of the "Vehicle Details" window from the "Automobile Order Processing System". The window title is "Vehicle Details" and the main title inside is "TOYOTA SOUTHERN MOTORS". The date and time are shown as "Wednesday, February 26, 2014 10:02:02 PM". The toolbar includes buttons for First, Previous, Next, Last, New, Edit, Save, Delete, and Print. The interface is divided into two sections: "IDENTIFICATION" and "SPECIFICATION". In the "IDENTIFICATION" section, fields include Vehicle ID (1), Model Code (TCXM-2012), Name (Corolla), Make (Toyota), and Year (2012). In the "SPECIFICATION" section, fields include Variant (Xli), Transmission Type (Manual), Class (Passenger), and Doors (4). The bottom right corner of the window says "BY MUHAMMAD TALHA QADIR".

Save a record, then he must click on the following button:



Before saving the new record, the Vehicle Table is as follows, which shows that the last saved record contains "24" as its VID(Primary Key of the Vehicle Table)

VID	vname	class	make	variant	year	ttype	doors	wheels	mcode	extID	SID	Click to Add
1	Corolla	Passenger	Toyota	Xli	2012	Manual	4	4	TCXM-2012	1	1	
2	Corolla	Passenger	Toyota	Gli	2012	Manual	4	4	TCGM-2012	2	2	
3	Corolla	Passenger	Toyota	Gli Automatic	2012	Automatic	4	4	TCGA-2012	2	2	
4	Corolla	Passenger	Toyota	Altis	2013	M/T 1.6	4	4	TCAM-2013	1	1	
5	Corolla	Passenger	Toyota	Altis	2013	M/T 1.6 SR	4	4	TCAMSR-2013	3	1	
6	Corolla	Passenger	Toyota	Altis	2013	A/T 1.6	4	4	TCAA-2013	1	4	
7	Corolla	Passenger	Toyota	Altis	2013	A/T 1.6 SR	4	4	TCAAJR-2013	1	2	
8	Corolla	Passenger	Toyota	Altis Sportivo	2013	M/T	4	4	TCASM-2013	1	4	
9	Corolla	Passenger	Toyota	Altis Sportivo	2013	A/T	4	4	TCASA-2013	2	2	
10	Camry	Passenger	Toyota	N/A	2013	A/T UP-SPEC	4	4	TCCA-2013	3	3	
11	Avanza	Passenger	Toyota	1.5L UP-SPEC	2013	Manual	5	4	TAM-2013	5	4	
12	Fortuner	SUVs and 4WD	Toyota	N/A	2013	Automatic	5	4	TFA-2013	6	2	
13	Vigo Champ	SUVs and 4WD	Toyota	4X4 STANDARD	2012	Manual	4	4	TVCM-2013	7	3	
14	Vigo Champ	SUVs and 4WD	Toyota	VIGO CHAMP V	2013	Manual	4	4	TVCVM-2013	9	3	
15	Hilux	SUVs and 4WD	Toyota	HILUX 4X2	2010	Manual	4	4	TH4X2M-2010	8	2	
16	Hilux	SUVs and 4WD	Toyota	HILUX 4X2 UP-SPEC	2010	Manual	4	4	TH4X2M-2010	9	3	
17	Hilux	SUVs and 4WD	Toyota	HILUX 4X2 S/C DECKLESS	2010	Manual	4	4	TH4X2M-2010	8	2	
18	Terios	SUVs and 4WD	Toyota	TERIOS 4X2 A/T	2011	Automatic	4	4	TT4XA-2011	10	2	
19	Terios	SUVs and 4WD	Toyota	TERIOS 4X2 M/T	2011	Manual	4	4	TT4X2M-2011	10	2	
20	Land Cruiser Prado	SUVs and 4WD	Toyota	200 GX TURBO SW M/T	2013	Manual	4	4	TLCPGXM-2013	11	3	
21	Land Cruiser Prado	SUVs and 4WD	Toyota	VX TURBO SW A/T	2013	Automatic	4	4	TLCPVXA-2013	11	3	
22	Land Cruiser Prado	SUVs and 4WD	Toyota	200 VX A/T SW-PETROL	2012	Automatic	4	4	TLCPVXA-2012	11	3	
23	Vigo Champ	SUVs and 4WD	Toyota	VIGO CHAMP G	2013	Automatic	4	4	TVCGA-2013	8	3	
24	Land Cruiser Prado	SUVs and 4WD	Toyota	TURBO A/T	2012	Automatic	4	4	TLCPTA-2012	11	3	
*	(New)						0	0				

The form looks as follows before the save button is clicked:

After the save button is clicked, the database stores the information. This can be seen in the following screenshot:

VID	vname	class	make	variant	year	ttype	doors	wheels	mcode	extID	SID	Click to Add
1	Corolla	Passenger	Toyota	Xli	2012	Manual	4	4	TCXM-2012	1	1	
2	Corolla	Passenger	Toyota	Gli	2012	Manual	4	4	TGGM-2012	2	2	
3	Corolla	Passenger	Toyota	Gli Automatic	2012	Automatic	4	4	TCGA-2012	2	2	
4	Corolla	Passenger	Toyota	Altis	2013	M/T 1.6	4	4	TCAM-2013	1	1	
5	Corolla	Passenger	Toyota	Altis	2013	M/T 1.6 SR	4	4	TCAMSR-2013	3	1	
6	Corolla	Passenger	Toyota	Altis	2013	A/T 1.6	4	4	TCAA-2013	1	4	
7	Corolla	Passenger	Toyota	Altis	2013	A/T 1.6 SR	4	4	TCAASR-2013	1	2	
8	Corolla	Passenger	Toyota	Altis Sportivo	2013	M/T	4	4	TCASM-2013	1	4	
9	Corolla	Passenger	Toyota	Altis Sportivo	2013	A/T	4	4	TCASA-2013	2	2	
10	Camry	Passenger	Toyota	N/A	2013	A/T UP-SPEC	4	4	TCCA-2013	3	3	
11	Avanza	Passenger	Toyota	1.5L UP-SPEC	2013	Manual	5	4	TAM-2013	5	4	
12	Fortuner	SUVs and 4WD	Toyota	N/A	2013	Automatic	5	4	TFA-2013	6	2	
13	Vigo Champ	SUVs and 4WD	Toyota	4X4 STANDARD	2012	Manual	4	4	TVCM-2013	7	3	
14	Vigo Champ	SUVs and 4WD	Toyota	VIGO CHAMP V	2013	Manual	4	4	TVCM-2013	9	3	
15	Hilux	SUVs and 4WD	Toyota	HILUX 4X2	2010	Manual	4	4	TH4X2M-2010	8	2	
16	Hilux	SUVs and 4WD	Toyota	HILUX 4X2 UP-SPEC	2010	Manual	4	4	TH4X2M-2010	9	3	
17	Hilux	SUVs and 4WD	Toyota	HILUX 4X2 S/C DECKLESS	2010	Manual	4	4	TH4X2M-2010	8	2	
18	Terios	SUVs and 4WD	Toyota	TERIOS 4X2 A/T	2011	Automatic	4	4	TT4X2A-2011	10	2	
19	Terios	SUVs and 4WD	Toyota	TERIOS 4X2 M/T	2011	Manual	4	4	TT4X2M-2011	10	2	
20	Land Cruiser Prado	SUVs and 4WD	Toyota	200 GX TURBO SW M/T	2013	Manual	4	4	TLCGXM-2013	11	3	
21	Land Cruiser Prado	SUVs and 4WD	Toyota	VX TURBO SW A/T	2013	Automatic	4	4	TLCPVA-2013	11	3	
22	Land Cruiser Prado	SUVs and 4WD	Toyota	200 VX A/T SW-PETROL	2012	Automatic	4	4	TLCPVA-2012	11	3	
23	Vigo Champ	SUVs and 4WD	Toyota	VIGO CHAMP G	2013	Automatic	4	4	TVCGA-2013	8	3	
24	Land Cruiser Prado	SUVs and 4WD	Toyota	TURBO A/T	2012	Automatic	4	4	TLCPTA-2012	11	3	
25	Land Cruiser Prado	Passenger	Toyota	TURBO M/T	2013	Automatic	5	0	TLCPTA-2013			
*	(New)						0	0				

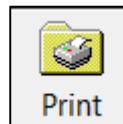
This is proof that the record is actually being saved to the database successfully.

Note: In the same way the Order, Buyer, Exterior, Interior, Dimensions, Safety, Engine and Performance forms save data. A New form is loaded, data is input and upon clicking the save button, the record is saved in the database.

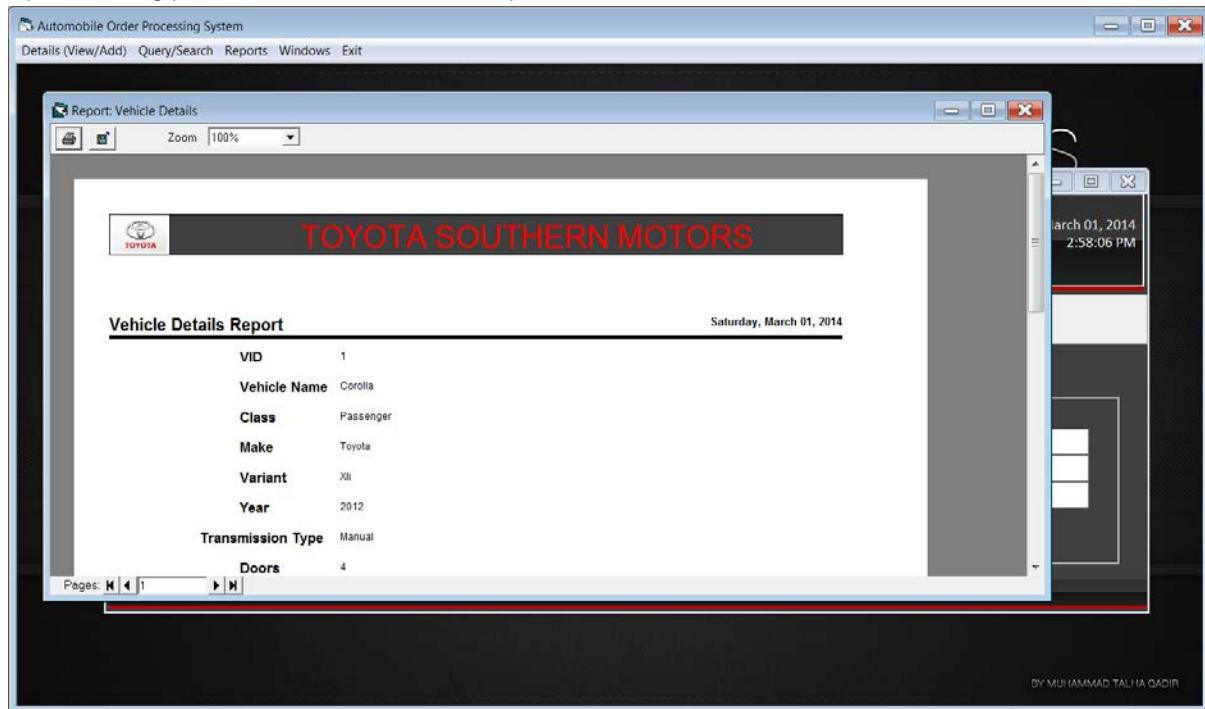
Delete a record, then he must click on the following button:



Print a report of the record, then he must click on the following button:



Upon clicking print the user can view the report.

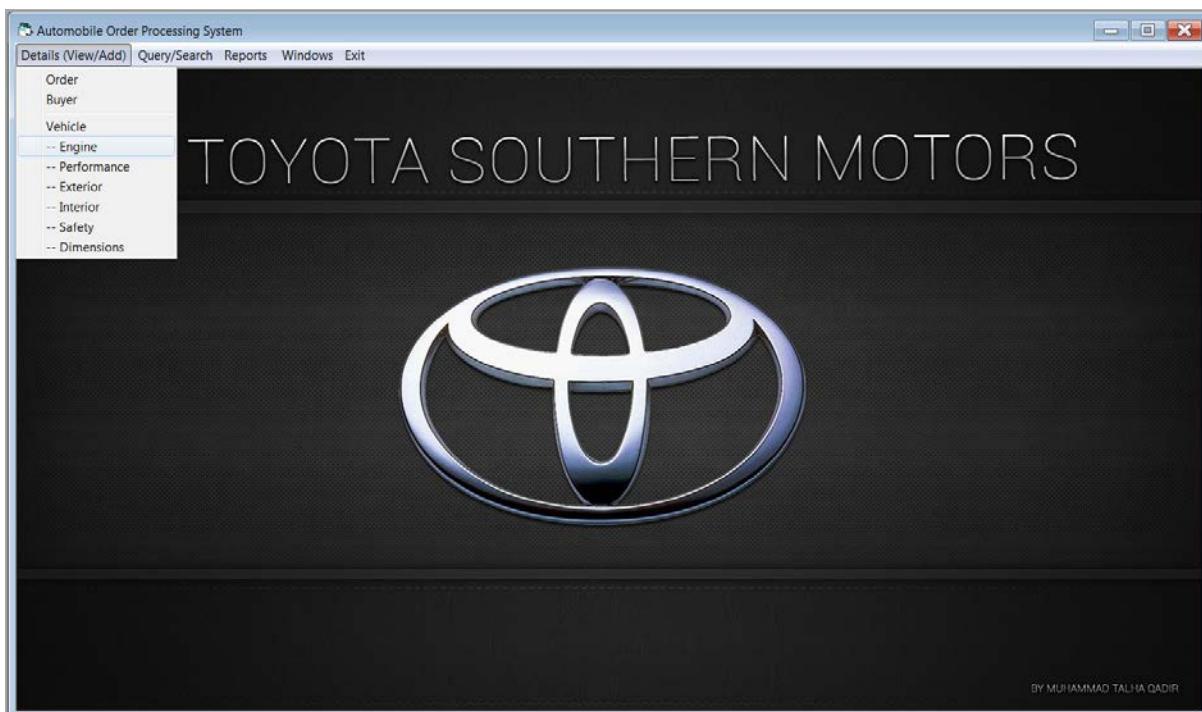


The print the report the following button has to be clicked, after which the user selects his printer and prints out the report.

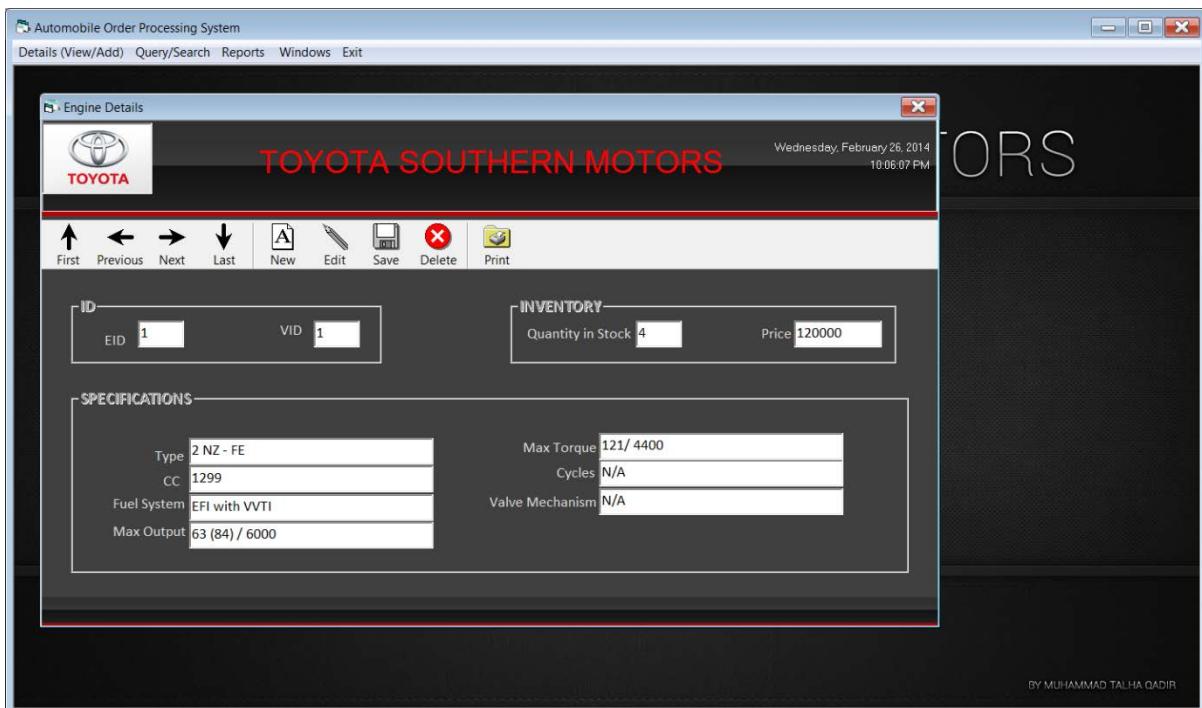


Note: This is similar in all the forms.

Next to view the Engine Details form, the user has to click on "Details (View/Add)" and then select "Engine" from the options in the drop down list, as shown below:



Upon clicking "Engine", the following form is opened:



To view the First record, the user has to click on the "First" button as shown below:



To view the Last record, the user has to click on the "Last" button as shown below:



To view the Previous record, the user has to click on the "Previous" button as shown below:



To view the Next record, the user has to click on the "Next" button as shown below:



In this form, if the user wants to:

Enter a new record, then he must click on the following button:

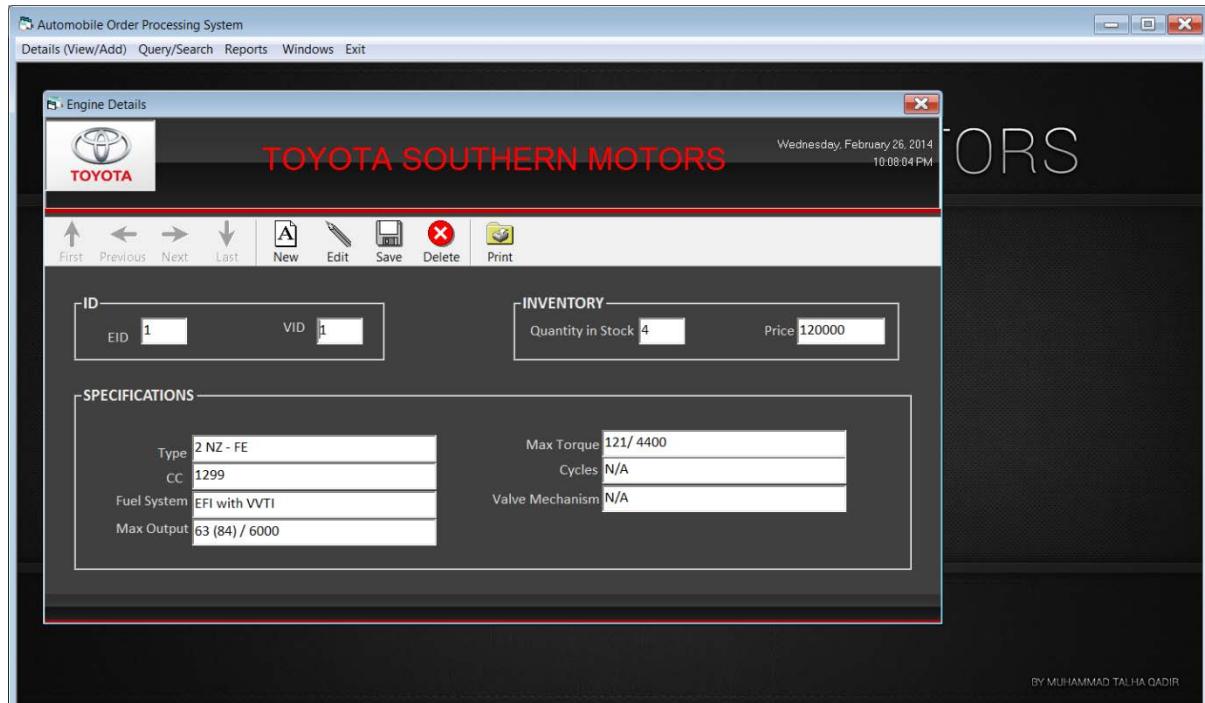


Clicking on the "New" button will result in a blank form being loaded as shown below:

Edit a record, then he must click on the following button:



By pressing the "Edit" button the frames will be unlocked and will be ready for editting.



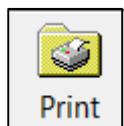
Save a record, then he must click on the following button:



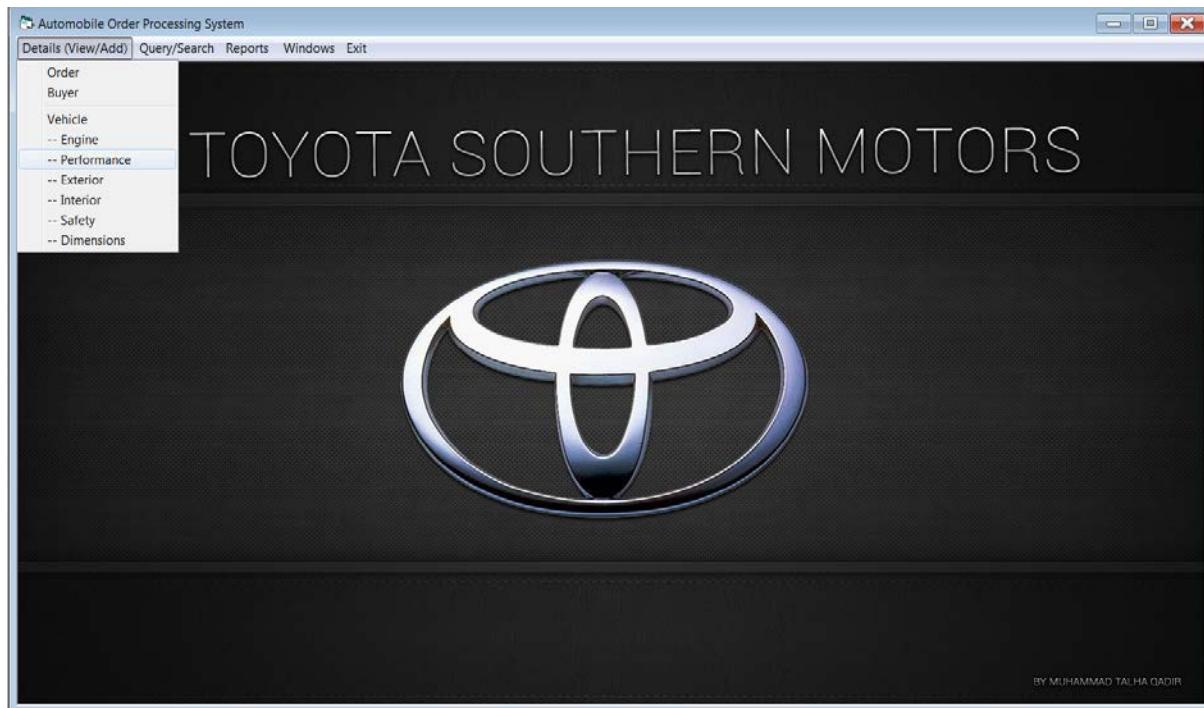
Delete a record, then he must click on the following button:



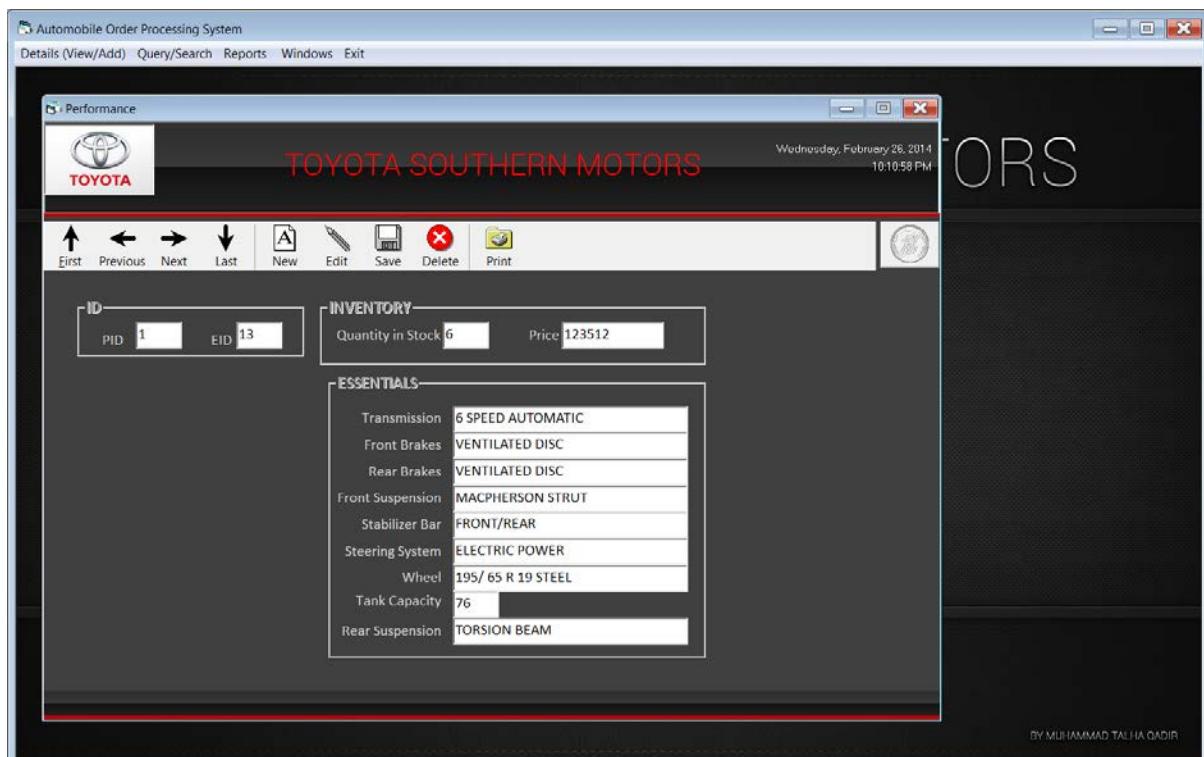
Print a report of the record, then he must click on the following button:



Next to view the Performance Details form, the user has to click on "Details (View/Add)" and then select "Performance" from the options in the drop down list, as shown below:



Upon clicking "Performance", the following form is opened:



To view the First record, the user has to click on the "First" button as shown below:



To view the Last record, the user has to click on the "Last" button as shown below:



To view the Previous record, the user has to click on the "Previous" button as shown below:



To view the Next record, the user has to click on the "Next" button as shown below:



In this form, if the user wants to:

Enter a new record, then he must click on the following button:



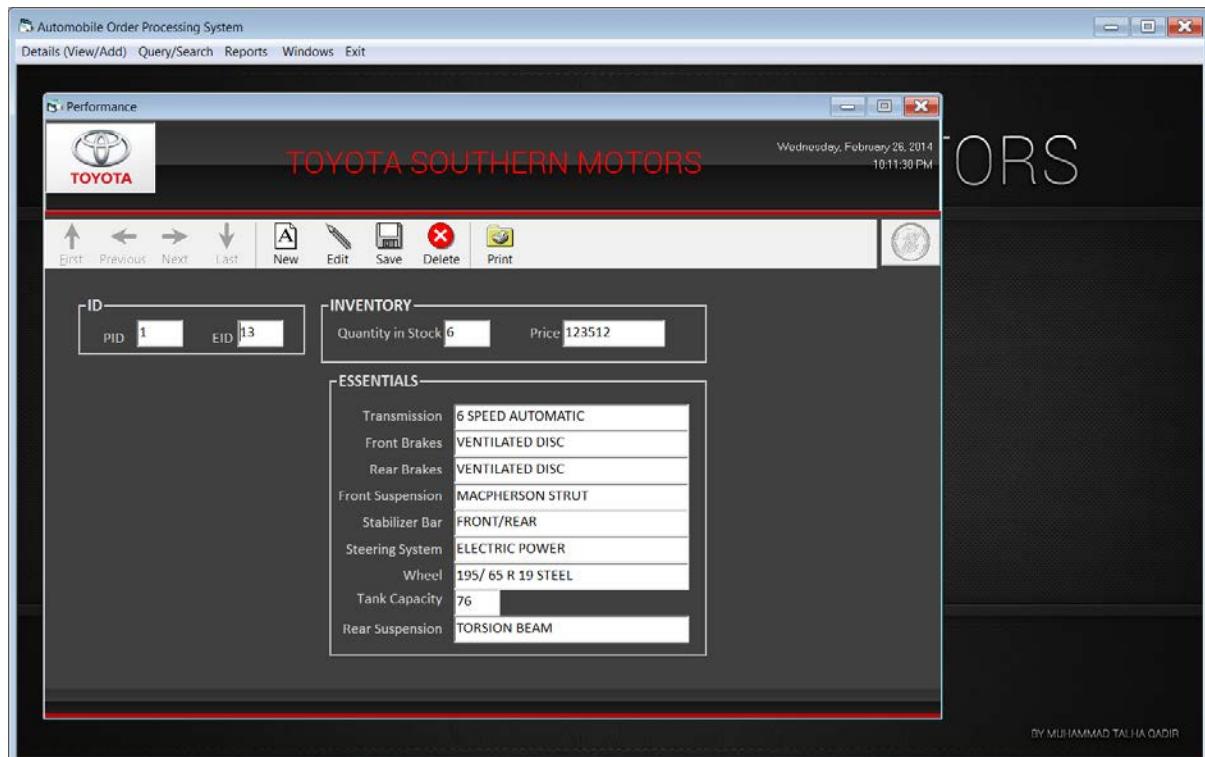
Clicking on the "New" button will result in a blank form being loaded as shown below:

A screenshot of a Windows application window titled 'Automobile Order Processing System'. The window has a dark theme with red and white text. At the top, there's a menu bar with 'Details (View/Add)', 'Query/Search', 'Reports', 'Windows', and 'Exit'. Below the menu is a toolbar with icons for First, Previous, Next, Last, New, Edit, Save, Delete, and Print. The main area contains a Toyota logo and the text 'TOYOTA SOUTHERN MOTORS'. A timestamp 'Wednesday, February 26, 2014 10:11:50 PM' is visible. On the left, there are navigation buttons for 'First', 'Previous', 'Next', and 'Last'. In the center, there's a form with fields for 'ID' (PID: 11, EID: empty), 'INVENTORY' (Quantity in Stock: empty, Price: empty), and 'ESSENTIALS' (Transmission, Front Brakes, Rear Brakes, Front Suspension, Stabilizer Bar, Steering System, Wheel, Tank Capacity, Rear Suspension). The bottom right corner of the window says 'BY MUHAMMAD TALHA QADIR'.

Edit a record, then he must click on the following button:



By pressing the "Edit" button the frames will be unlocked and will be ready for editting.



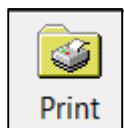
Save a record, then he must click on the following button:



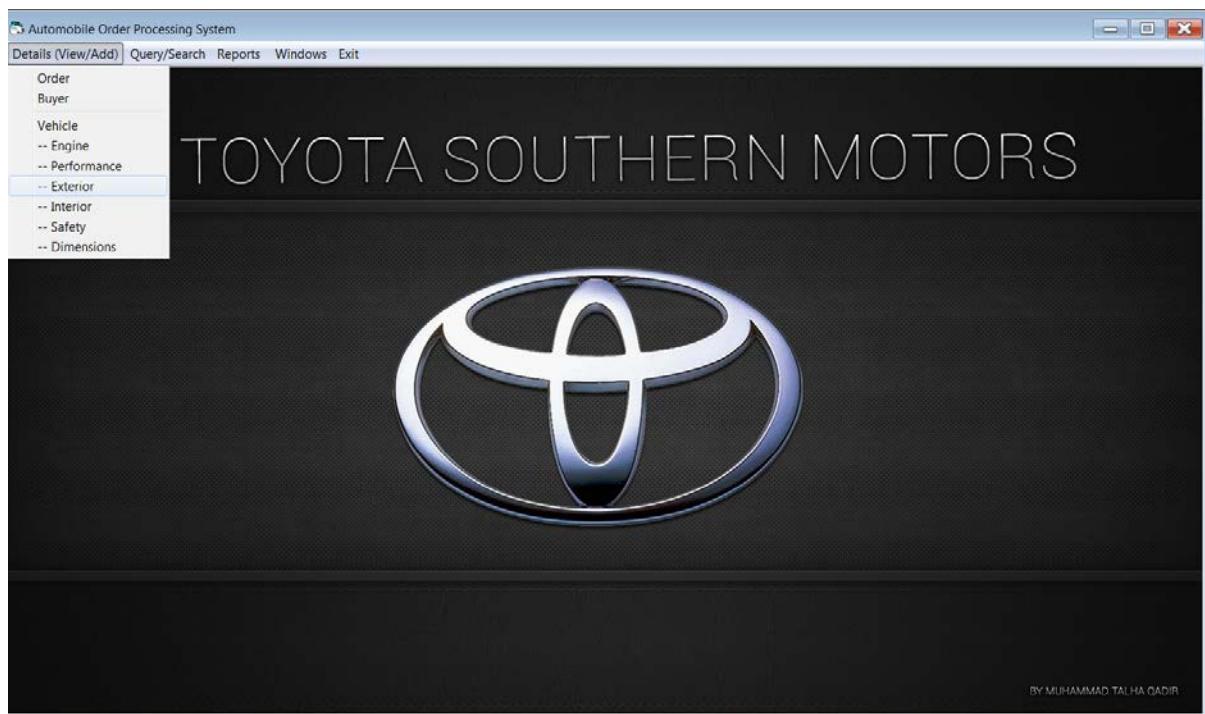
Delete a record, then he must click on the following button:



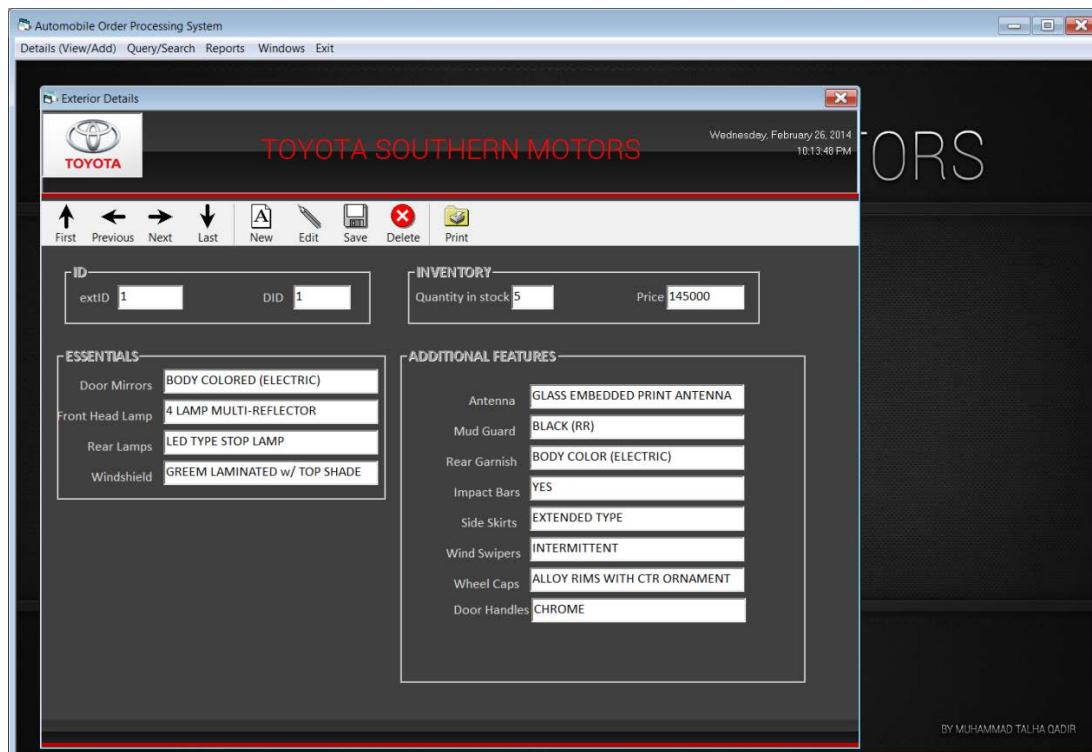
Print a report of the record, then he must click on the following button:



Next to view the Exterior Details form, the user has to click on "Details (View/Add)" and then select "Exterior" from the options in the drop down list, as shown below:



Upon clicking "Exterior", the following form is opened:



To view the First record, the user has to click on the "First" button as shown below:



To view the Last record, the user has to click on the "Last" button as shown below:



To view the Previous record, the user has to click on the "Previous" button as shown below:



To view the Next record, the user has to click on the "Next" button as shown below:



In this form, if the user wants to:

Enter a new record, then he must click on the following button:



Clicking on the "New" button will result in a blank form being loaded as shown below:

The screenshot displays a software interface for managing exterior vehicle parts. At the top, a menu bar offers options like Details (View/Add), Query/Search, Reports, Windows, and Exit. The main window is titled 'Exterior Details' and features the 'TOYOTA SOUTHERN MOTORS' logo. A toolbar at the top provides navigation (First, Previous, Next, Last) and document management (New, Edit, Save, Delete, Print). The interface is divided into several sections: 'ID' (extID 12, DID blank), 'INVENTORY' (Quantity in stock blank, Price blank), 'ESSENTIALS' (Door Mirrors, Front Head Lamp, Rear Lamps, Windshield), and 'ADDITIONAL FEATURES' (Antenna, Mud Guard, Rear Garnish, Impact Bars, Side Skirts, Wind Swipers, Wheel Caps, Door Handles). The status bar at the bottom right indicates the software was developed by Muhammad Talha Qadir.

Edit a record, then he must click on the following button:



By pressing the "Edit" button the frames will be unlocked and will be ready for editting.

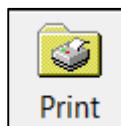
Save a record, then he must click on the following button:



Delete a record, then he must click on the following button:



Print a report of the record, then he must click on the following button:



Next to view the Interior Details form, the user has to click on "Details (View/Add)" and then select "Interior" from the options in the drop down list, as shown below:



Upon clicking "Interior", the following form is opened:

The screenshot shows the 'Interior Details' form. The title bar reads 'Interior Details'. The menu bar includes 'Details (View/Add)', 'Query/Search', 'Reports', 'Windows', and 'Exit'. The date and time are displayed as 'Wednesday, February 26, 2014 10:18:08 PM'. The form has several sections:

- ID:** IID 1, SID 3
- INVENTORY:** Quantity in Stock 7, Price 651231
- ADDITIONAL FEATURES:**
 - CDplayer/ AM-FM / MP3: TOUCH SCREEN/USB/MP3/MP4/NAV
 - Digital Clock: YES
 - Power Windows: YES
 - Speakers: 6
 - Woodgrain: YES
 - Tachometer: YES
- ESSENTIALS:**
 - AC: YES
 - Heater: YES
 - Central Console Box: WITH LID + 2 STEP (ADJUSTABLE)
 - Central Door Locking: YES
 - Gear Lever: GATE TYPE LEVER (LEATHER)
 - Interior Colour Scheme: BEIGE WITH WOODED PACKAGE
 - Seats: FOLDING & RECLINING LEATHER SEAT
 - Speedometer: MULTI INFO DISPLAY WITH ECO INDIC
 - Sunvisor: DRIVE + PASSENGER (WITH VANITY M

To view the First record, the user has to click on the "First" button as shown below:



To view the Last record, the user has to click on the "Last" button as shown below:



To view the Previous record, the user has to click on the "Previous" button as shown below:

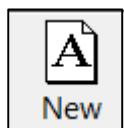


To view the Next record, the user has to click on the "Next" button as shown below:



In this form, if the user wants to:

Enter a new record, then he must click on the following button:



Clicking on the "New" button will result in a blank form being loaded as shown below:

Edit a record, then he must click on the following button:



By pressing the "Edit" button the frames will be unlocked and will be ready for editting.

The screenshot shows the 'Interior Details' window of the system. At the top, there's a Toyota logo and the text 'TOYOTA SOUTHERN MOTORS'. The window has a toolbar with buttons for New, Edit, Save, Delete, and Print. Below the toolbar, there are two main sections: 'ADDITIONAL FEATURES' and 'INVENTORY'. The 'ADDITIONAL FEATURES' section includes fields for CDplayer/AM-FM / MP3, Digital Clock, Power Windows, Speakers, Woodgrain, and Tachometer. The 'INVENTORY' section shows Quantity in Stock (7) and Price (651231). To the right of these sections is a large table titled 'ESSENTIALS' containing various car options like AC, Heater, Central Console Box, Central Door Locking, Gear Lever, Interior Colour Scheme, Seats, Speedometer, and Sunvisor, each with their respective descriptions.

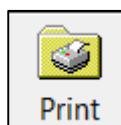
Save a record, then he must click on the following button:



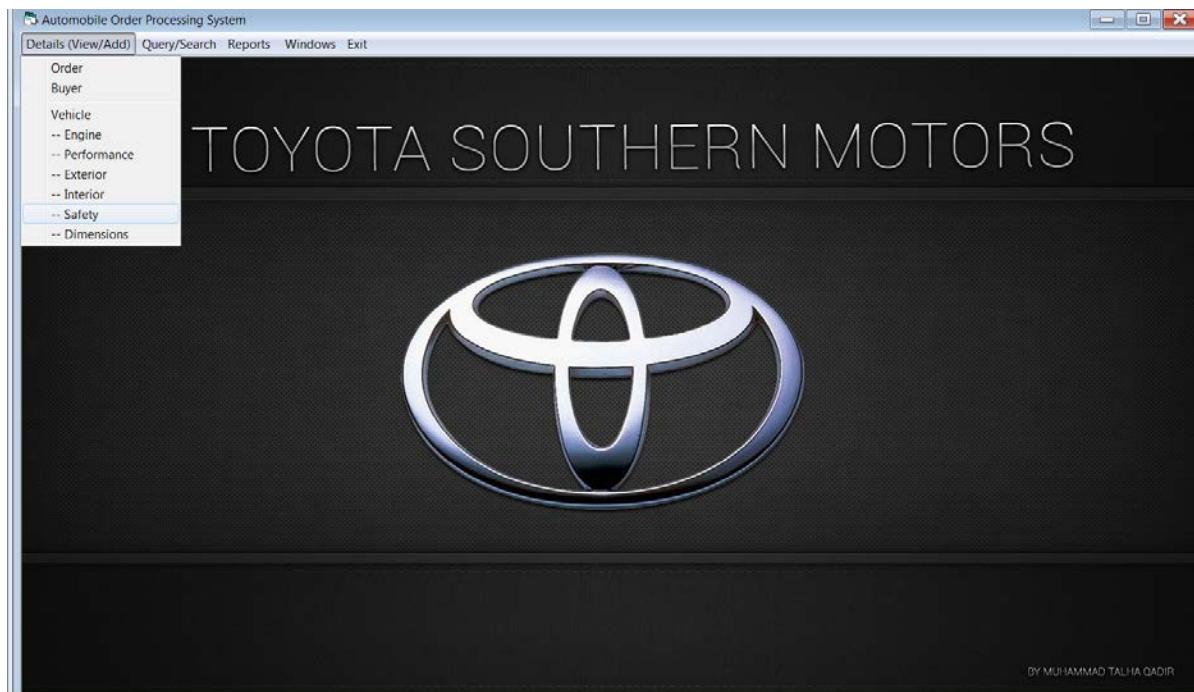
Delete a record, then he must click on the following button:



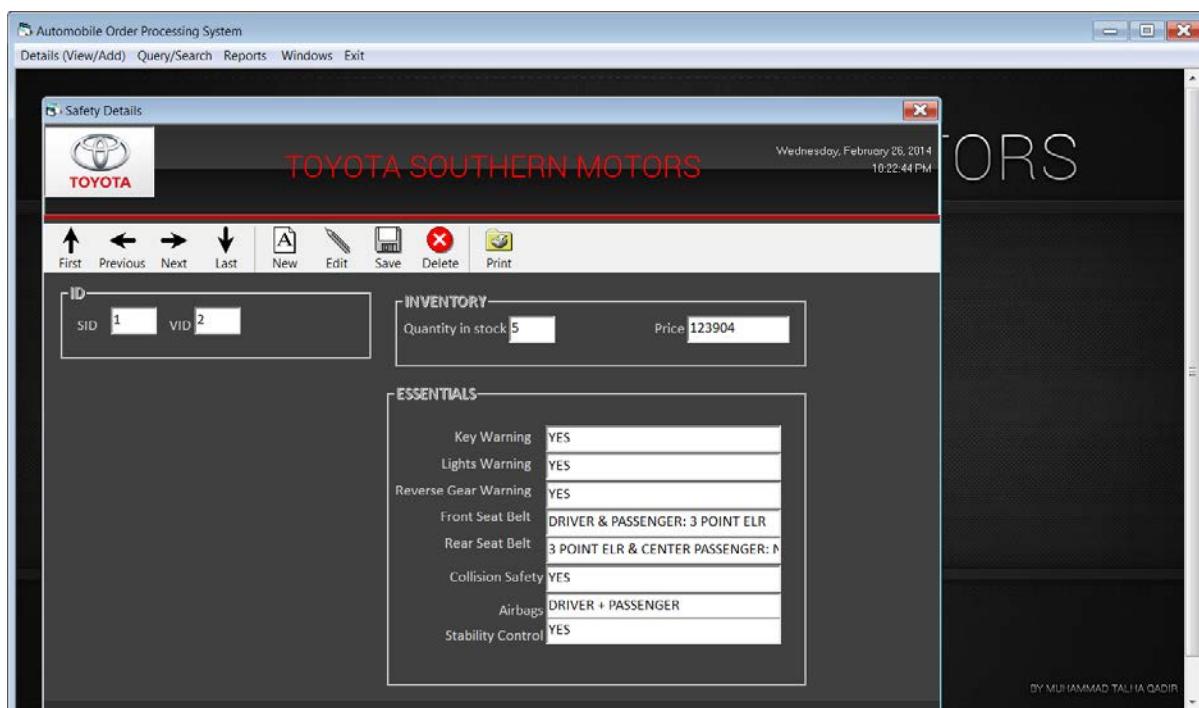
Print a report of the record, then he must click on the following button:



Next to view the Safety Details form, the user has to click on "Details (View/Add)" and then select "Safety" from the options in the drop down list, as shown below:



Upon clicking "Safety", the following form is opened:



To view the First record, the user has to click on the "First" button as shown below:



To view the Last record, the user has to click on the "Last" button as shown below:



To view the Previous record, the user has to click on the "Previous" button as shown below:

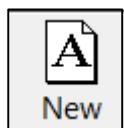


To view the Next record, the user has to click on the "Next" button as shown below:



In this form, if the user wants to:

Enter a new record, then he must click on the following button:



Clicking on the "New" button will result in a blank form being loaded as shown below:

A screenshot of a Windows application window titled "Safety Details". The window has a dark theme with red and black colors. At the top, there is a header with the Toyota logo and the text "TOYOTA SOUTHERN MOTORS". The date and time are displayed as "Wednesday, February 26, 2014 10:23:10 PM". Below the header is a toolbar with buttons for First, Previous, Next, Last, New, Edit, Save, Delete, and Print. The main area contains several input fields and lists. On the left, there is an "ID" section with fields for SID (containing "5") and VID. To the right of this is an "INVENTORY" section with fields for "Quantity in stock" and "Price". Below these are two groups of checkboxes: "ESSENTIALS-" and "OPTIONALS-". The "ESSENTIALS-" group includes checkboxes for Key Warning, Lights Warning, Reverse Gear Warning, Front Seat Belt, Rear Seat Belt, Collision Safety, Airbags, and Stability Control. The "OPTIONALS-" group is partially visible on the right side of the screen. The bottom right corner of the window has the text "BY MUHAMMAD TALHA QADIR".

Edit a record, then he must click on the following button:



By pressing the "Edit" button the frames will be unlocked and will be ready for editting.

ID		INVENTORY	
SID	1	VID	2
		Quantity in stock	5
		Price	123904

ESSENTIALS	
Key Warning	YES
Lights Warning	YES
Reverse Gear Warning	YES
Front Seat Belt	DRIVER & PASSENGER: 3 POINT ELR
Rear Seat Belt	3 POINT ELR & CENTER PASSENGER: M
Collision Safety	YES
Airbags	DRIVER + PASSENGER
Stability Control	YES

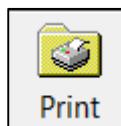
Save a record, then he must click on the following button:



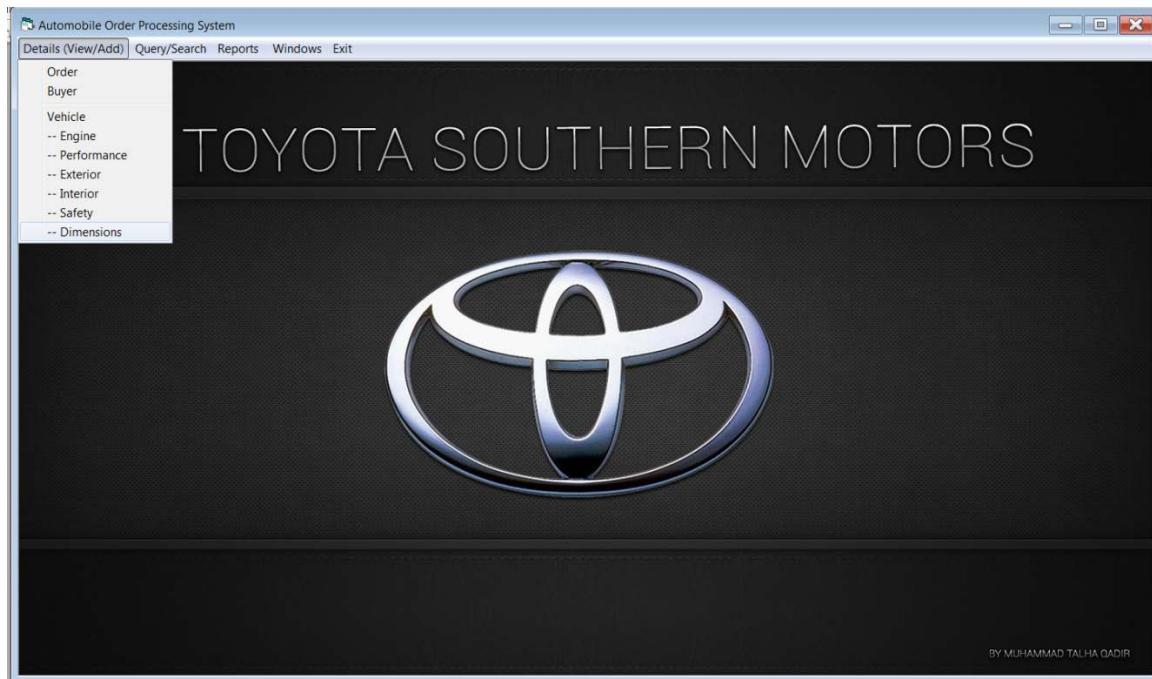
Delete a record, then he must click on the following button:



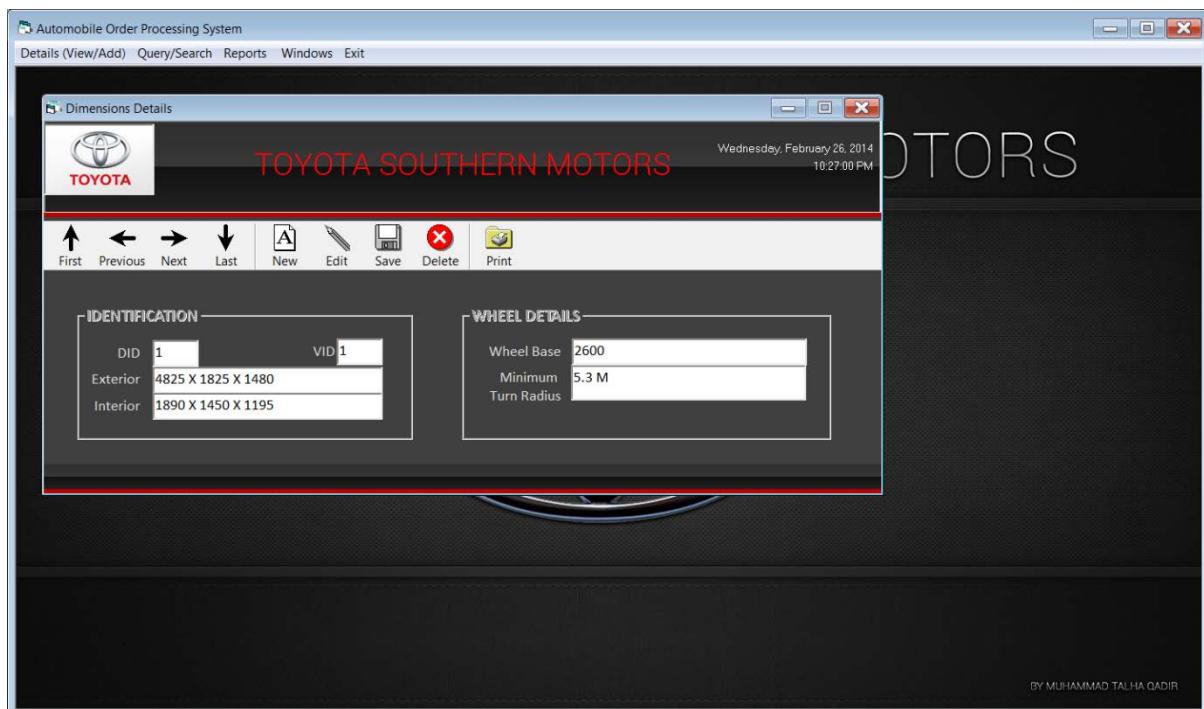
Print a report of the record, then he must click on the following button:



Lastly, to view the Dimensions Details form, the user has to click on "Details (View/Add)" and then select "Dimensions" from the options in the drop down list, as shown below:



Upon clicking "Dimensions", the following form is opened:



To view the First record, the user has to click on the "First" button as shown below:



To view the Last record, the user has to click on the "Last" button as shown below:



To view the Previous record, the user has to click on the "Previous" button as shown below:



To view the Next record, the user has to click on the "Next" button as shown below:



In this form, if the user wants to:

Enter a new record, then he must click on the following button:

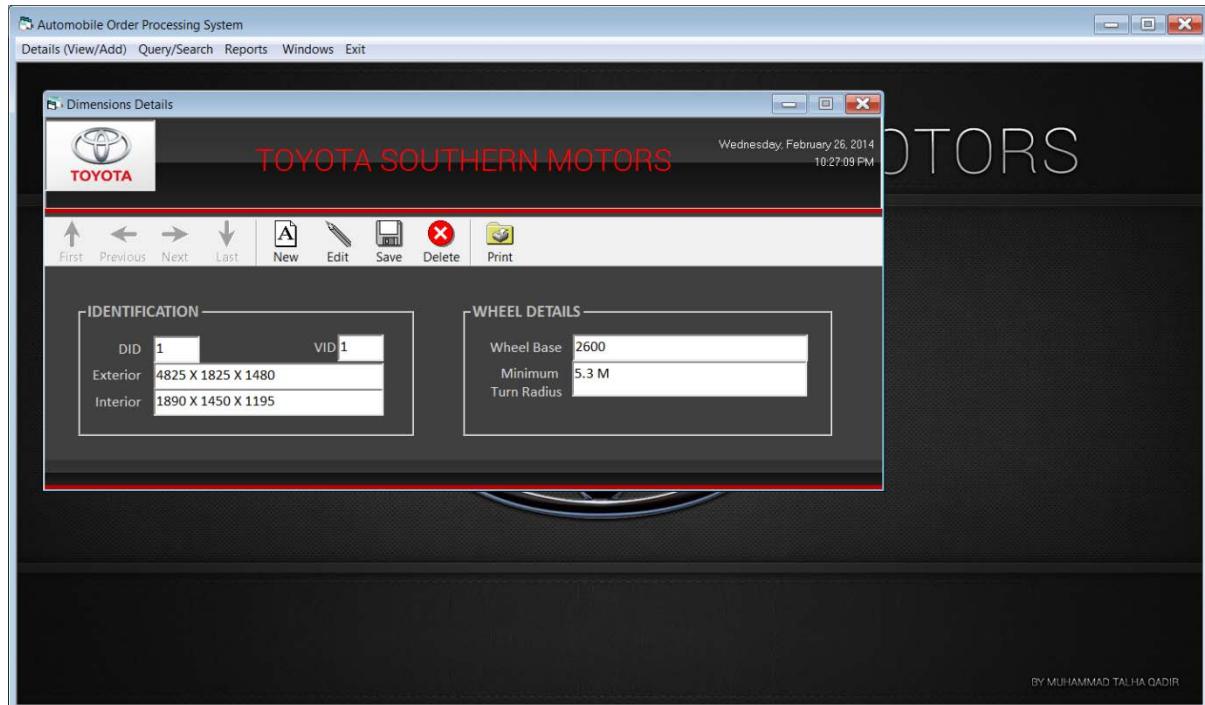


Clicking on the "New" button will result in a blank form being loaded as shown below:

Edit a record, then he must click on the following button:



By pressing the "Edit" button the frames will be unlocked and will be ready for editting.



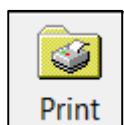
Save a record, then he must click on the following button:



Delete a record, then he must click on the following button:

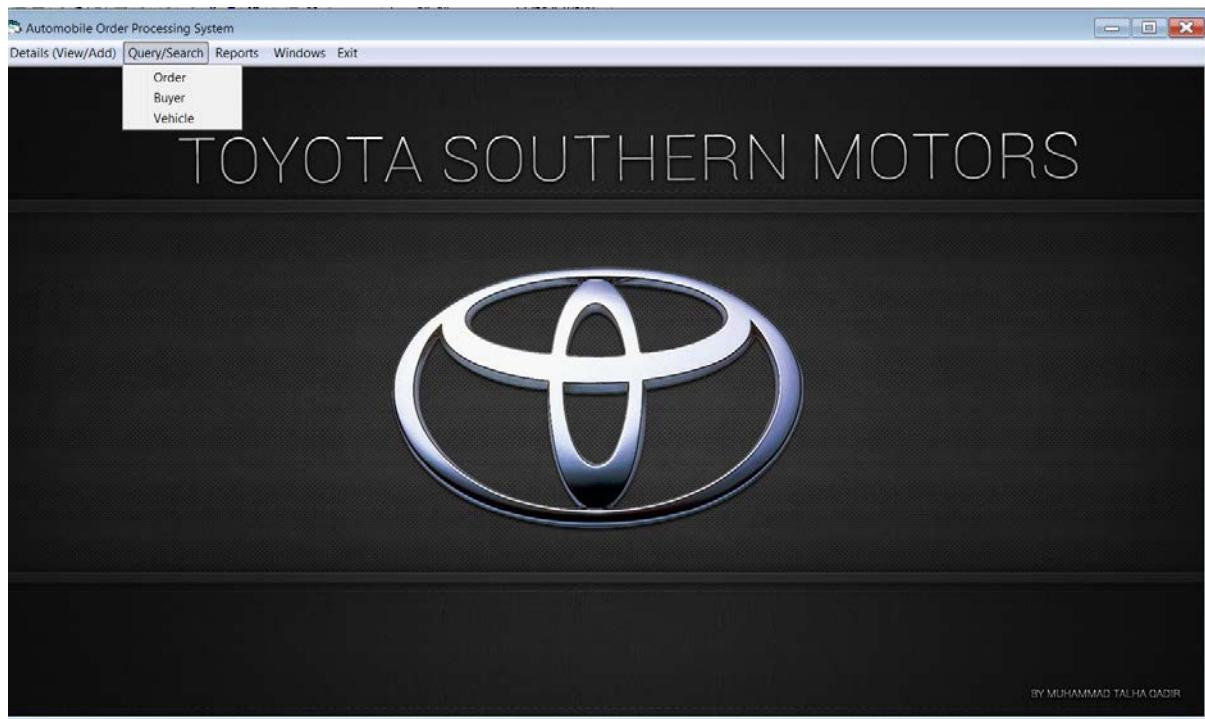


Print a report of the record, then he must click on the following button:



Moving on, often the user requires queries to search for multiple records that meet a certain criteria. To open up queries, the user clicks on "Query/Search" and selects the query he wants to run.

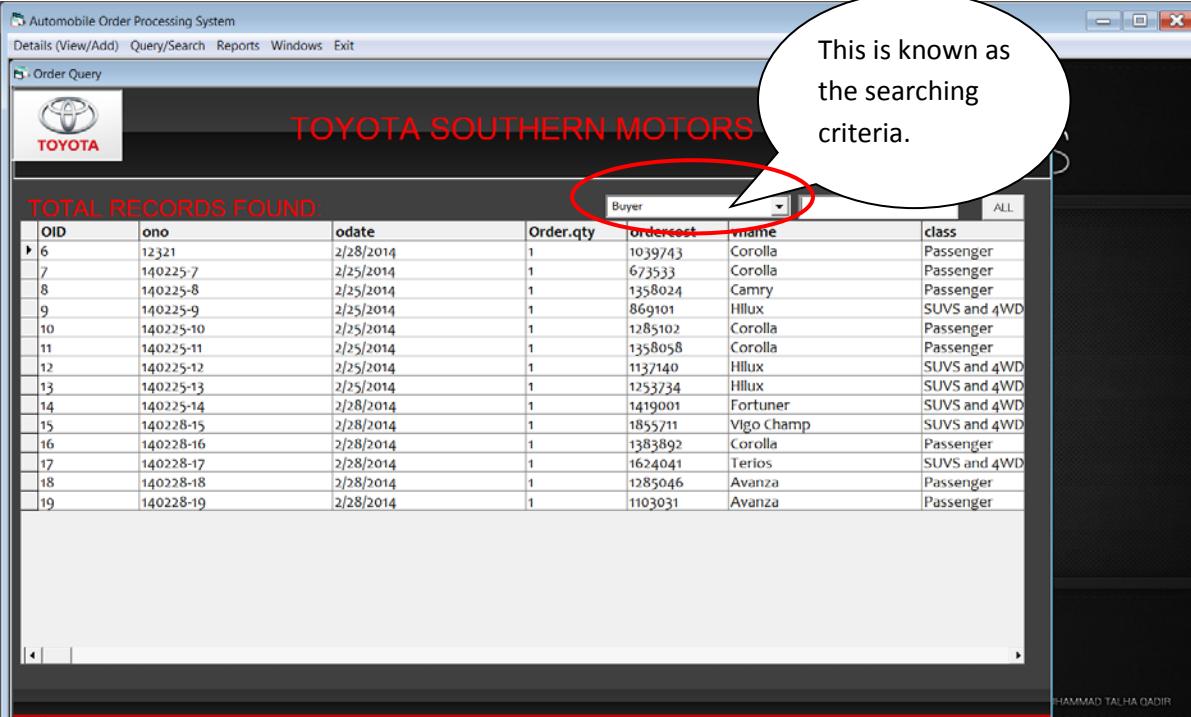
In order to run the "Order" query, the user first clicks on "Query/Search" as shown below:



Upon clicking "Order", the following form is opened:

	OID	ono	odate	Order.qty	ordercost	vname	class
6	12321		2/28/2014	1	1039743	Corolla	Passenger
7	140225-7		2/25/2014	1	673533	Corolla	Passenger
8	140225-8		2/25/2014	1	1358024	Camry	Passenger
9	140225-9		2/25/2014	1	869101	Hilux	SUVs and 4WD
10	140225-10		2/25/2014	1	1285102	Corolla	Passenger
11	140225-11		2/25/2014	1	1358058	Corolla	Passenger
12	140225-12		2/25/2014	1	1137140	Hilux	SUVs and 4WD
13	140225-13		2/25/2014	1	1253734	Hilux	SUVs and 4WD
14	140225-14		2/28/2014	1	1419001	Fortuner	SUVs and 4WD
15	140228-15		2/28/2014	1	1855711	Vigo Champ	SUVs and 4WD
16	140228-16		2/28/2014	1	1383892	Corolla	Passenger
17	140228-17		2/28/2014	1	1624041	Terios	SUVs and 4WD
18	140228-18		2/28/2014	1	1285046	Avanza	Passenger
19	140228-19		2/28/2014	1	1103031	Avanza	Passenger

The user has to select the displaying criteria (this is what you want to run the query for. For example all records pertaining to a specific buyer can be displayed by selecting buyer from the drop down list as shown below):

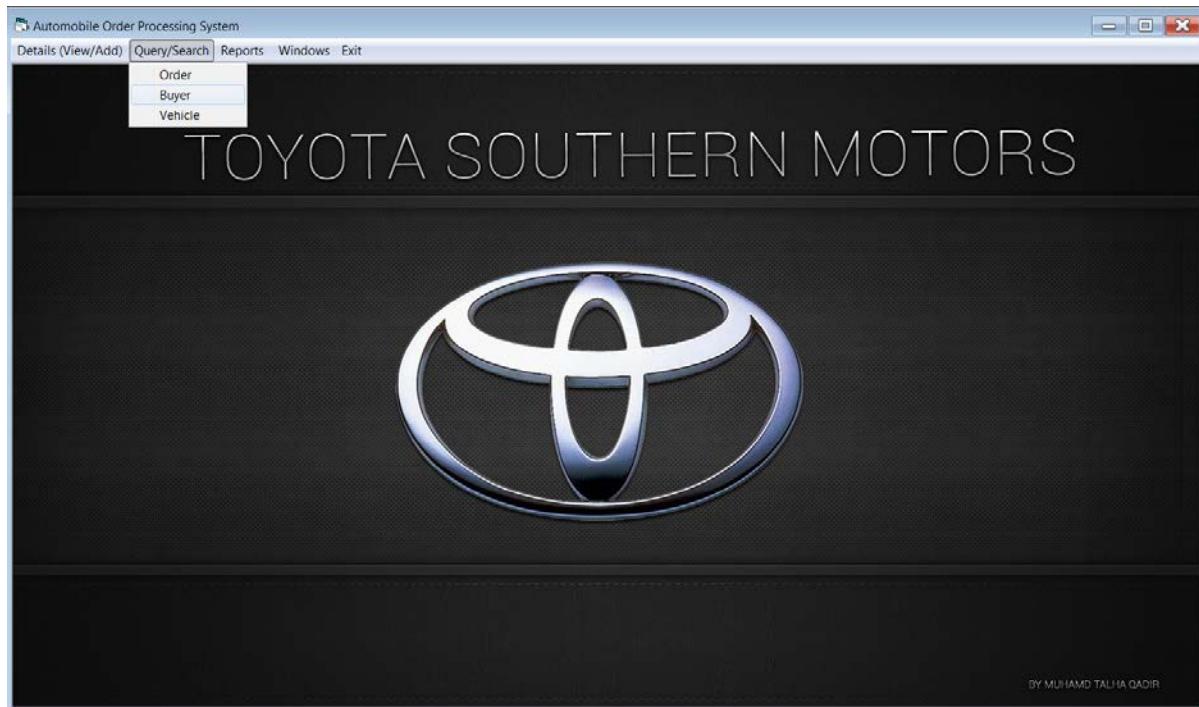


This screenshot shows a Windows application window titled "Automobile Order Processing System". The main title bar includes "Details (View/Add)", "Query/Search", "Reports", "Windows", and "Exit". Below the title bar, a sub-menu "Order Query" is open, showing "Order Query". The main content area displays a grid of data with the following columns: OID, ono, odate, Order.qty, ordercost, vname, and class. A red oval highlights the "Buyer" column header, which is part of a dropdown menu. A callout bubble points to this highlighted area with the text "This is known as the searching criteria.". At the bottom of the grid, there is a button labeled "ALL". The footer of the application window contains the text "HAMDAD TALHA QADIR".

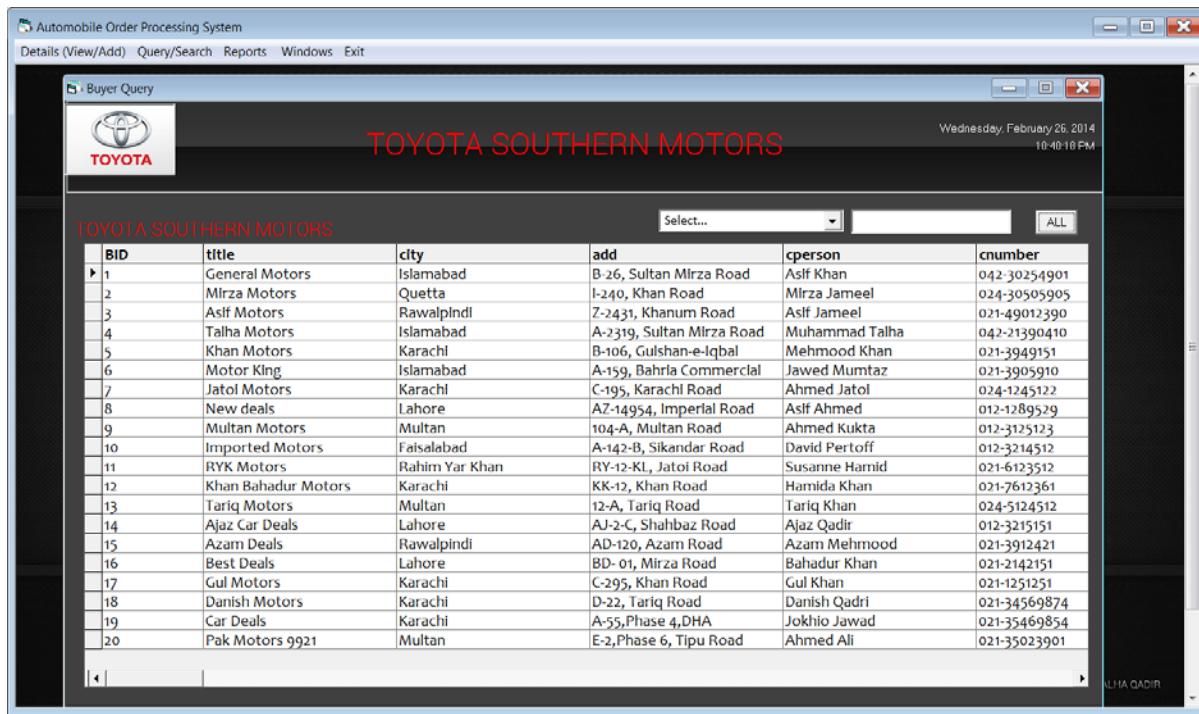
OID	ono	odate	Order.qty	ordercost	vname	class
6	12321	2/28/2014	1	1039743	Corolla	Passenger
7	140225-7	2/25/2014	1	673533	Corolla	Passenger
8	140225-8	2/25/2014	1	1358024	Camry	Passenger
9	140225-9	2/25/2014	1	869101	Hilux	SUVs and 4WD
10	140225-10	2/25/2014	1	1285102	Corolla	Passenger
11	140225-11	2/25/2014	1	1358058	Corolla	Passenger
12	140225-12	2/25/2014	1	1137140	Hilux	SUVs and 4WD
13	140225-13	2/25/2014	1	1253734	Hilux	SUVs and 4WD
14	140225-14	2/28/2014	1	1419001	Fortuner	SUVs and 4WD
15	140228-15	2/28/2014	1	1855711	Vigo Champ	SUVs and 4WD
16	140228-16	2/28/2014	1	1383892	Corolla	Passenger
17	140228-17	2/28/2014	1	1624041	Terios	SUVs and 4WD
18	140228-18	2/28/2014	1	1285046	Avanza	Passenger
19	140228-19	2/28/2014	1	1103031	Avanza	Passenger

Note: To view all records, the "ALL" button is pressed.

In order to run the "Buyer" query, the user first clicks on "Query/Search" as shown below:



Upon clicking "Buyer", the following form is opened:



The user has to select the displaying criteria (this is what you want to run the query for. For example all records pertaining to a specific city can be displayed by selecting city from the drop down list as shown below):

AUTOMOBILE ORDER PROCESSING SYSTEM

MENTATION

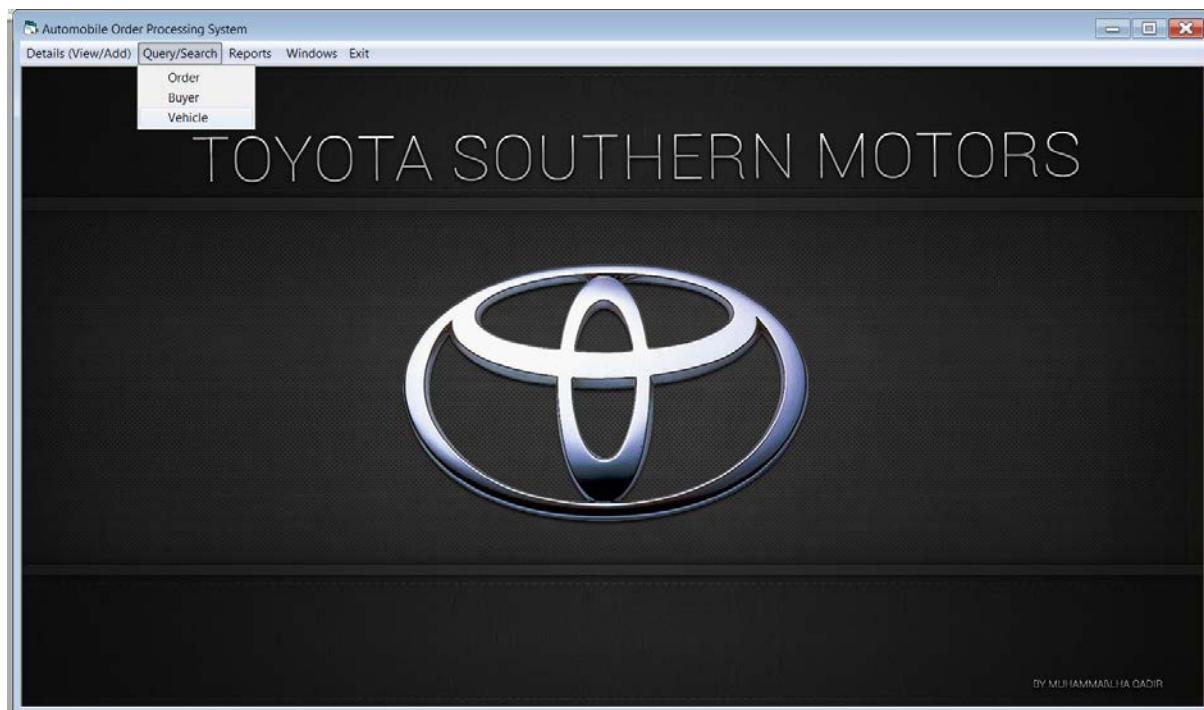
The screenshot shows a Windows application window titled "Buyer Query" under the "TOYOTA SOUTHERN MOTORS" logo. At the top, there's a menu bar with "Details (View/Add)", "Query/Search", "Reports", "Windows", and "Exit". Below the menu is a search bar with a dropdown labeled "City" containing "Karachi", and an "ALL" button. A red circle highlights the "City" dropdown. The main area displays a table with 6 records:

BID	title	city	add	cperson	cnumber
5	Khan Motors	Karachl	B-106, Gulshan-e-Iqbal	Mehmood Khan	021-3949151
7	Jatol Motors	Karachl	C-195, Karachi Road	Ahmed Jatol	024-1245122
12	Khan Bahadur Motors	Karachl	KK-12, Khan Road	Hamida Khan	021-7612361
17	Gul Motors	Karachl	C-295, Khan Road	Gul Khan	021-1251251
18	Danish Motors	Karachl	D-22, Tariq Road	Danish Qadri	021-34569874
19	Car Deals	Karachl	A-55, Phase 4, DHA	Jokhio Jawad	021-35469854

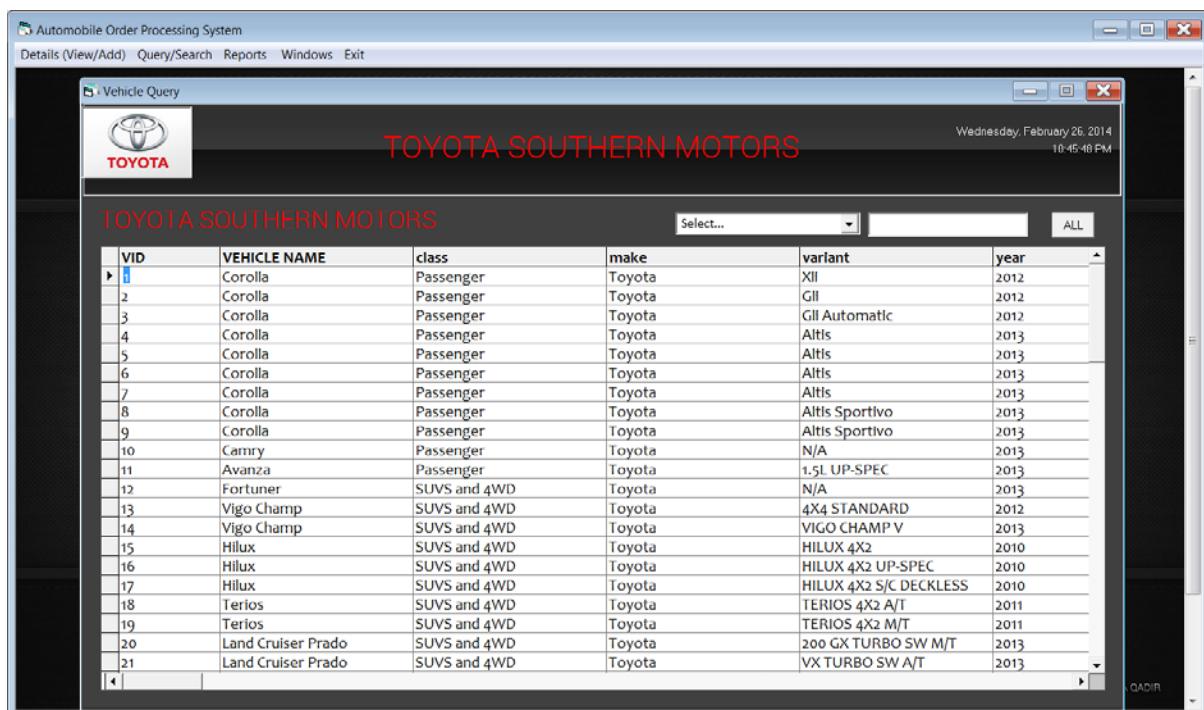
This is known as
the searching
criteria.

Note: To view all records, the "ALL" button is pressed.

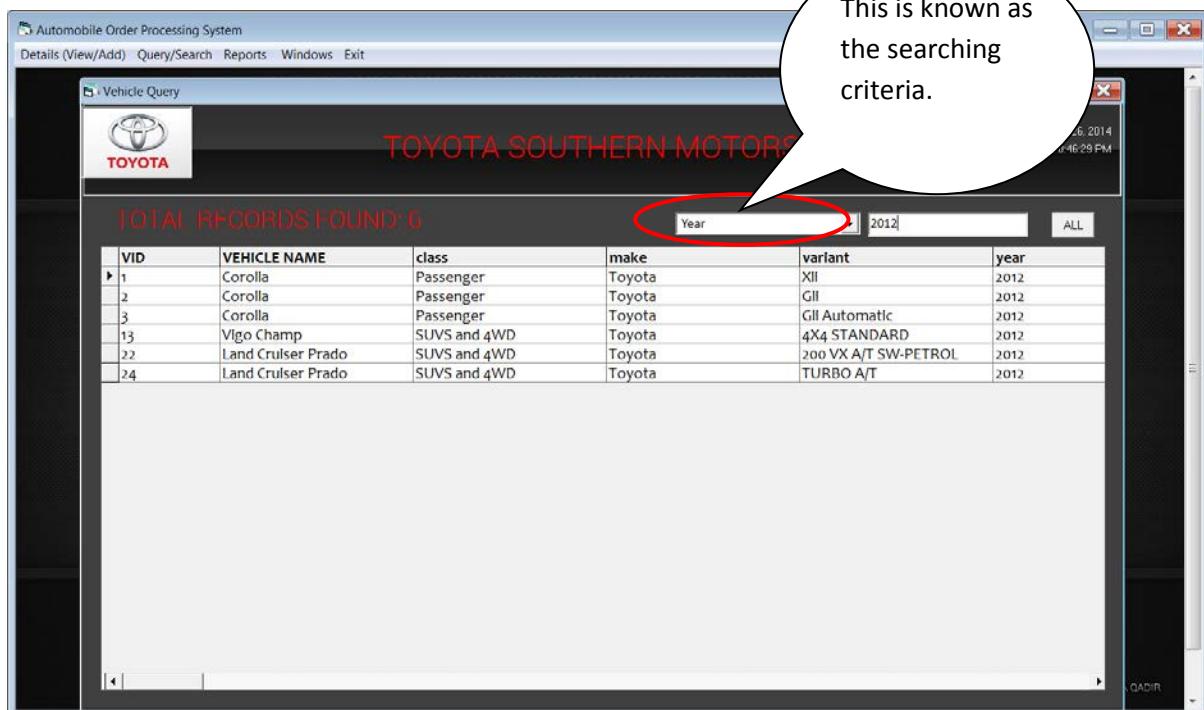
In order to run the "Vehicle" query, the user first clicks on "Query/Search" as shown below:



Upon clicking "Vehicle", the following form is opened:



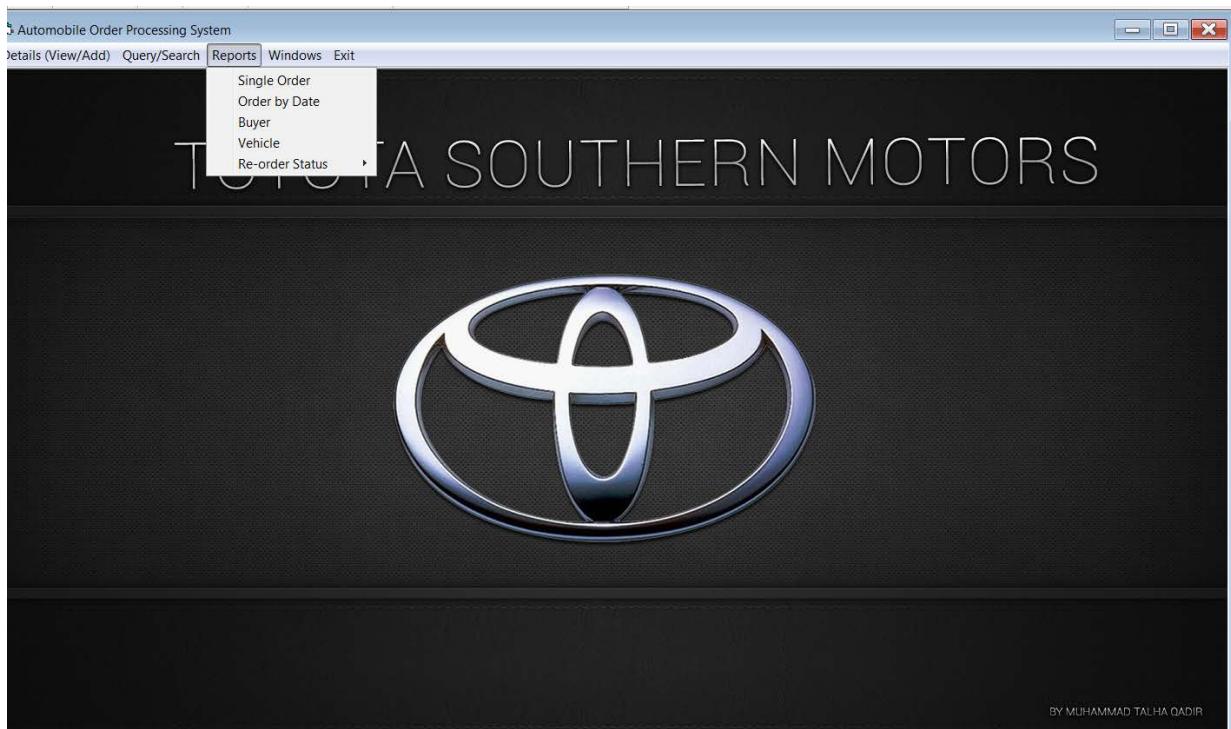
The user has to select the displaying criteria (this is what you want to run the query for. For example all records pertaining to a specific Year can be displayed by selecting Year from the drop down list as shown below):



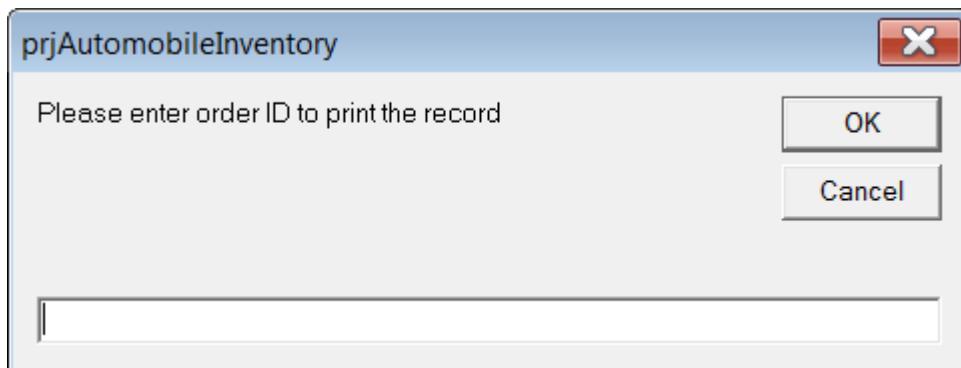
Note: To view all records, the "ALL" button is pressed.

Viewing Reports

If a user wishes to view reports from the MDI form, he may do so by clicking on "Reports" as shown below:



To view a report of a single order, the user clicks on "Single Order" and is shown an input box.



Upon entering a valid Order ID, the user can view the report as shown below:

TOYOTA SOUTHERN MOTORS

Order Details Report

Order ID: 6 Order No: 12321 Order Date: Friday, 28 February Saturday, March 01, 2014

SAFETY DETAILS					
SID	1	Front Seat Belt	DRIVER & PASSENGER	Collision Safety	YES
Key warning	YES	Rear Seat Belt	3 POINT ELR & AIRBAGS	Stability Control	YES
Lights Warning	YES	VID	2		
Reverse Gear	YES	Airbags	DRIVER + PASSENGER	Price	123,904

PERFORMANCE DETAILS					
PID	1	Front	MACPHERSON	Tank capacity	76
Transmission	6 SPEED	Stabilizer Bar	FRONT/REAR	Rear Suspension	TORSION BEAM
Front Brakes	VENTILATED DISC	Steer system	ELECTRIC	FID	13
Rear Brakes	VENTILATED DISC	Wheel	195/ 65 R 19	Price	123,512

INTERIOR DETAILS					
IID	1	Digital Clock	YES	Speedometer	MULTI INFO
SID	3	Front Rest	YES	Sunvisor	DRIVE +
AC	YES	Gear Lever	GATE TYPE	Tachometer	YES

Pages: 1 / 1

To view report for All Orders, the user clicks on "Single Order" as shown in the following screenshot:

TOYOTA SOUTHERN MOTORS

Vehicle
Buyer
Order >
Re-order Status >

- Single Order
- All Orders List
- Order List by Date
- Order List by Month
- Order List by Buyer

BY MUHAMMAD TALHA QADIR

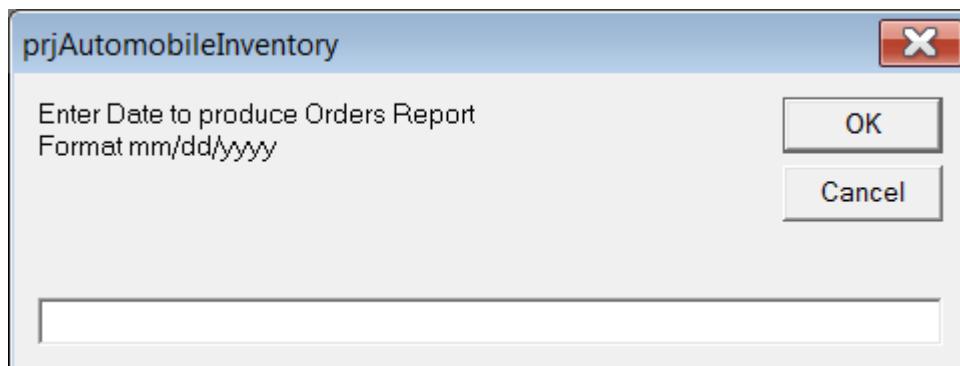
After clicking this, the user is brought to the report:

OID	VID	VID	VEHICLE	VARIANT	YEAR	BUYER	BANK	A/C NO.
6	12321	03-Mar-2014	Corolla	XII	2012	General Motors	Allied Bank	9201-540-2049
7	140225-7	25-Feb-2014	Corolla	XII	2012	Mirza Motors	United Bank LTD	3021-249-2012
8	140225-8	25-Feb-2014	Camry	N/A	2013	General Motors	Allied Bank	9201-540-2099
9	140225-9	25-Feb-2014	Hilux	HILUX 4X2	2010	Talha Motors	Standard Chartered Bank	2130-590-2095
10	140225-10	25-Feb-2014	Corolla	XII	2012	General Motors	Allied Bank	9201-540-2099
11	140225-11	25-Feb-2014	Corolla	XII	2012	Motor King	Standard Chartered Bank	4125-150-1212
12	140225-12	25-Feb-2014	Hilux	HILUX 4X2	2010	Jatol Motors	State Bank of Pakistan	9092-120-1123
13	140225-13	25-Feb-2014	Hilux	HILUX 4X2	2010	New deals	Standard Chartered Bank	1265-215-1242
14	140225-14	28-Feb-2014	Fortuner	N/A	2013	Multan Motors	State Bank of Pakistan	2112-150-2132
15	140228-15	28-Feb-2014	Vigo Champ	VIGO	2013	Ajaz Car Deals	Allied Bank	2522-252-1225
16	140228-16	28-Feb-2014	Corolla	Gli	2012	Pak Motors 9921	Allied Bank	4902-230-2194
17	140228-17	28-Feb-2014	Terios	TERIOS 4X2	2011	Khan Bahadur Motors	Allied Bank	6412-124-1225
18	140228-18	28-Feb-2014	Avanza	1.5L	2013	Imported Motors	Allied Bank	4125-170-1223
19	140228-19	28-Feb-2014	Avanza	1.5L	2013	Imported Motors	Allied Bank	4125-170-1223
20	140303-20	03-Mar-2014	Terios	TERIOS 4X2	2011	Imported Motors	Allied Bank	4125-170-1223

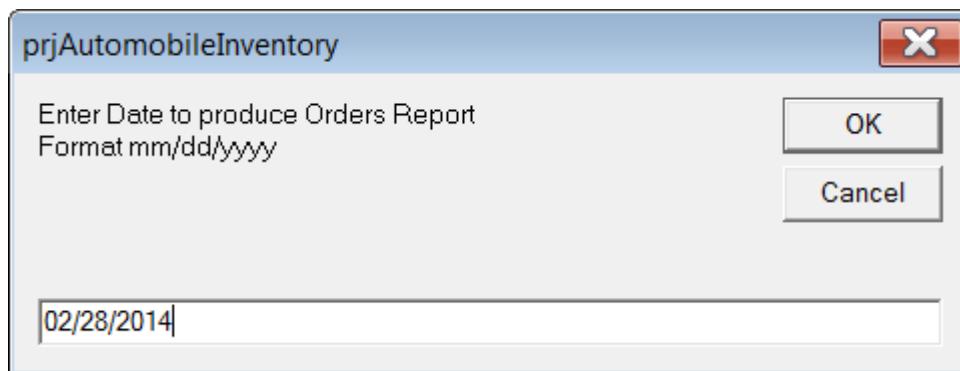
Total Record Listed: 15

Pages: 1 2 3 4 5

Moving on, if the user wants to view Report of Orders by Date, he may do so by clicking on "Order by Date" and then he will be brought to the following screen:



Upon entering the correct date, the user will be able to view all Orders for a particular date. The following date is input as seen in the screenshot below.



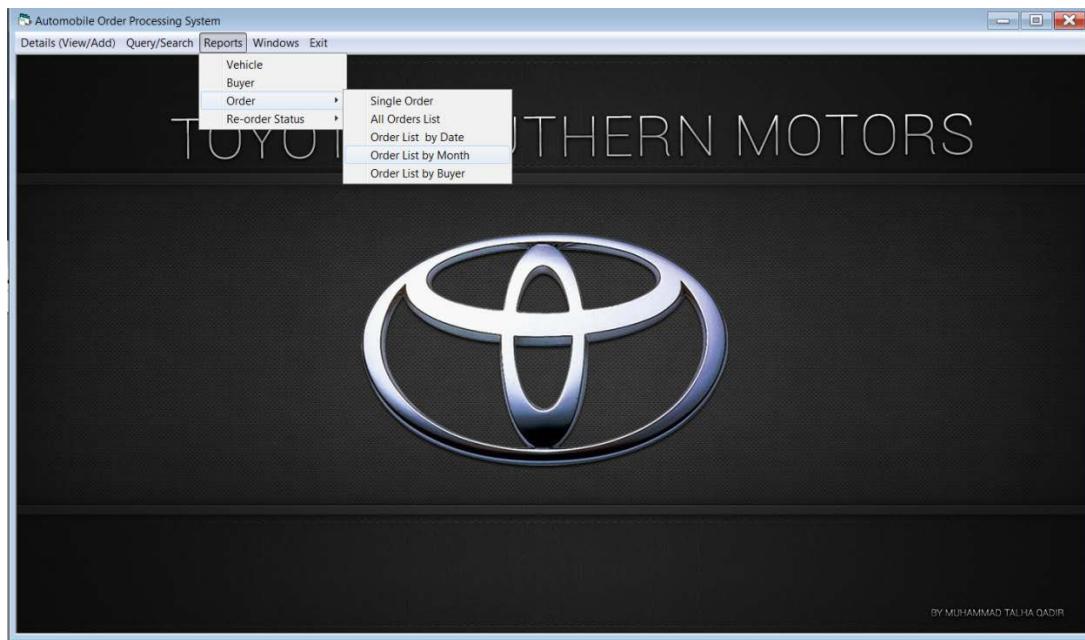
Upon clicking "OK", the user can view the report which is as follows:

A screenshot of a Windows application window titled 'Automobile Order Processing System - [Report: Order List]'. The window shows a report titled 'TOYOTA SOUTHERN MOTORS'. The report table has columns: OID, OID, VEHICLE, VARIANT, YEAR, BUYER, BANK, and A/C NO. The data is as follows:

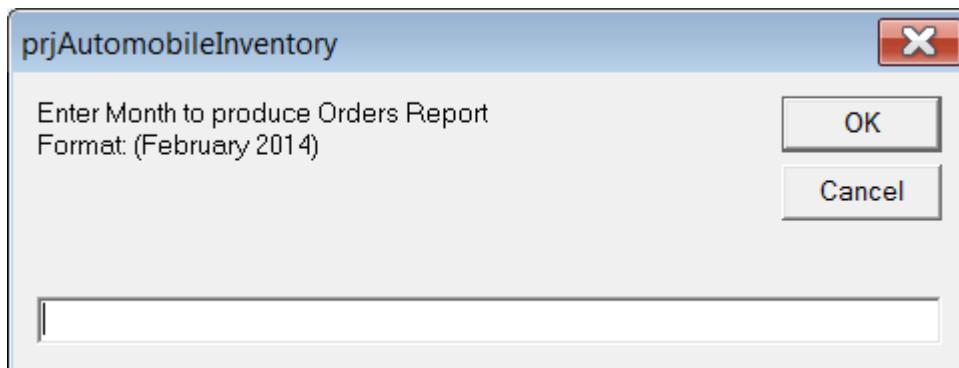
OID	OID	VEHICLE	VARIANT	YEAR	BUYER	BANK	A/C NO.
14	140228-14	Fortuner	N/A	2013	Multan Motors	State Bank of Pakistan	2112-150-2132
15	140228-15	Vigo Champ	VIGO	2013	Ajaz Car Deals	Allied Bank	2522-252-1225
16	140228-16	Corolla	Gli	2012	Pak Motors 9921	Allied Bank	4902-230-2194
17	140228-17	Terios	TERIOS 4X2	2011	Khan Bahadur Motors	Allied Bank	6412-124-1225
18	140228-18	Avanza	1.5L	2013	Imported Motors	Allied Bank	4125-170-1223
19	140228-19	Avanza	1.5L	2013	Imported Motors	Allied Bank	4125-170-1223

Total Record Listed: 6

To view Orders by Month, the buyer clicks on "Order List by month" as shown below:



Upon clicking the option, the user is brought to the following screen:



Correct Month has to be entered to view the record as shown below:

The screenshot shows a Windows application window titled "Automobile Order Processing System - [Report: Order List]". The menu bar includes "Details (View/Add)", "Query/Search", "Reports", "Windows", and "Exit". A toolbar at the top right includes icons for Print, Copy, Paste, and Zoom (set to 100%). The main content area displays a report titled "TOYOTA SOUTHERN MOTORS". The report header includes the date "Monday, March 03, 2014". The table data is as follows:

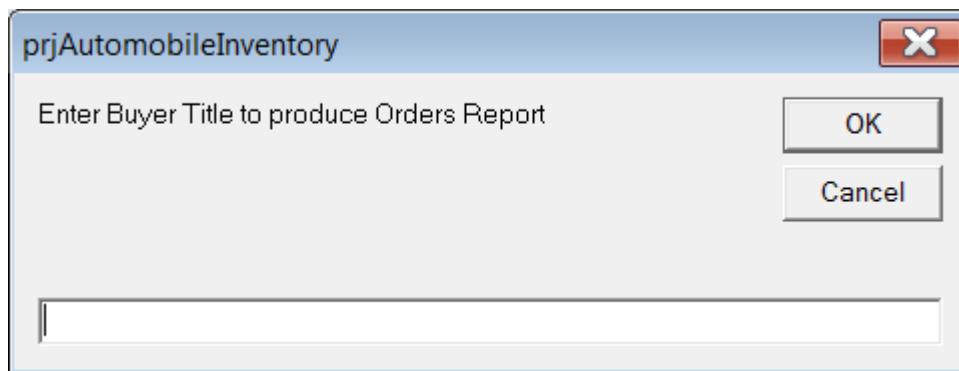
OID	OID	OID	VEHICLE	VARIANT	YEAR	BUYER	BANK	A/C NO.
6	12321	03-Mar-2014	Corolla	XII	2012	General Motors	Allied Bank	9201-540-2049
20	140303-20	03-Mar-2014	Terios	TERIOS 4X2	2011	Imported Motors	Allied Bank	4125-170-1223

Below the table, it says "Total Record Listed: 2". At the bottom left, there is a page navigation bar with "Pages: 1" and arrows.

To view Orders according to buyer, the user has to click on "Order List by Buyer" as shown below:

The screenshot shows the same application window. The "Reports" menu item is highlighted, and a dropdown menu is open, listing several options: "Vehicle", "Buyer", "Order", "Re-order Status", "Single Order", "All Orders List", "Order List by Date", "Order List by Month", and "Order List by Buyer". The "Order List by Buyer" option is currently selected. The background features the Toyota logo and the text "TOYOTA SOUTHERN MOTORS". The footer contains the text "BY MUHAMMAD TALHA QADIR".

Upon clicking the button, the following screen is shown to the user:



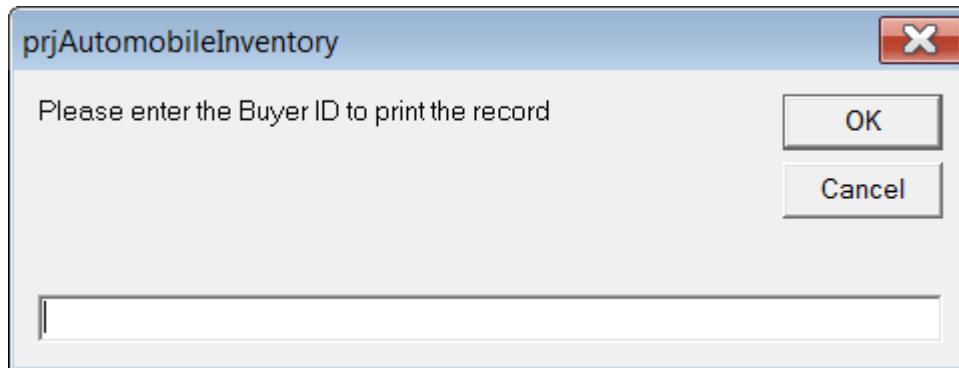
Upon entering the correct "Buyer Title", the user is brought to the record as shown below:

The application window has a menu bar with 'Details (View/Add)', 'Query/Search', 'Reports', 'Windows', and 'Exit'. The main area displays a report titled 'TOYOTA SOUTHERN MOTORS'. The report header includes the date 'Monday, March 03, 2014'. The table data is as follows:

OID	OID	OID	VEHICLE	VARIANT	YEAR	BUYER	BANK	A/C NO.
18	140228-18	28-Feb-2014	Avanza	1.5L	2013	Imported Motors	Allied Bank	4125-170-1223
19	140228-19	28-Feb-2014	Avanza	1.5L	2013	Imported Motors	Allied Bank	4125-170-1223
20	140303-20	09-Mar-2014	Terios	TERIOS 4X2	2011	Imported Motors	Allied Bank	4125-170-1223

At the bottom, it says 'Total Record Listed: 3'. The page footer shows 'Pages: 1 | 1'.

To view the "Buyer" report, the user clicks on "Buyer" and is brought to the following screen:



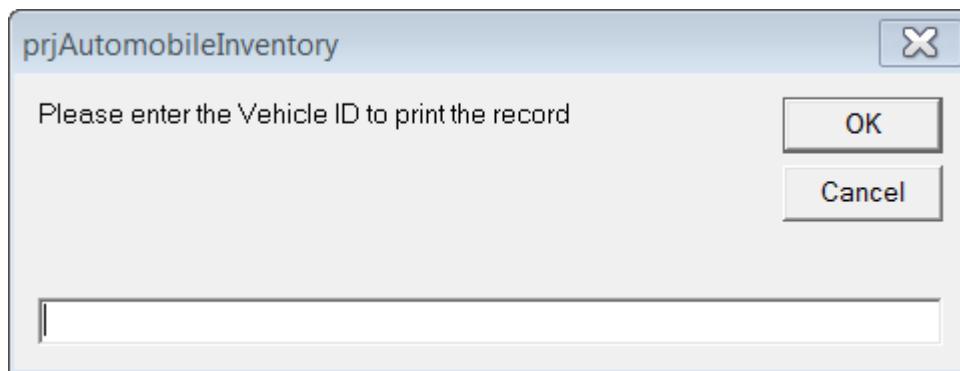
Upon entering a valid "Buyer ID" the user is brought to the appropriate report. This can be seen below:

A screenshot of a Windows application window titled 'Automobile Order Processing System - [Report: Buyer Details]'. The window has a menu bar with 'Details (View/Add)', 'Query/Search', 'Reports', 'Windows', and 'Exit'. A toolbar below the menu includes icons for file operations. The main area displays a report titled 'TOYOTA SOUTHERN MOTORS'. The report header includes the title 'Buyer Details Report' and the date 'Saturday, March 01, 2014'. The body of the report lists the following details for BID 4:

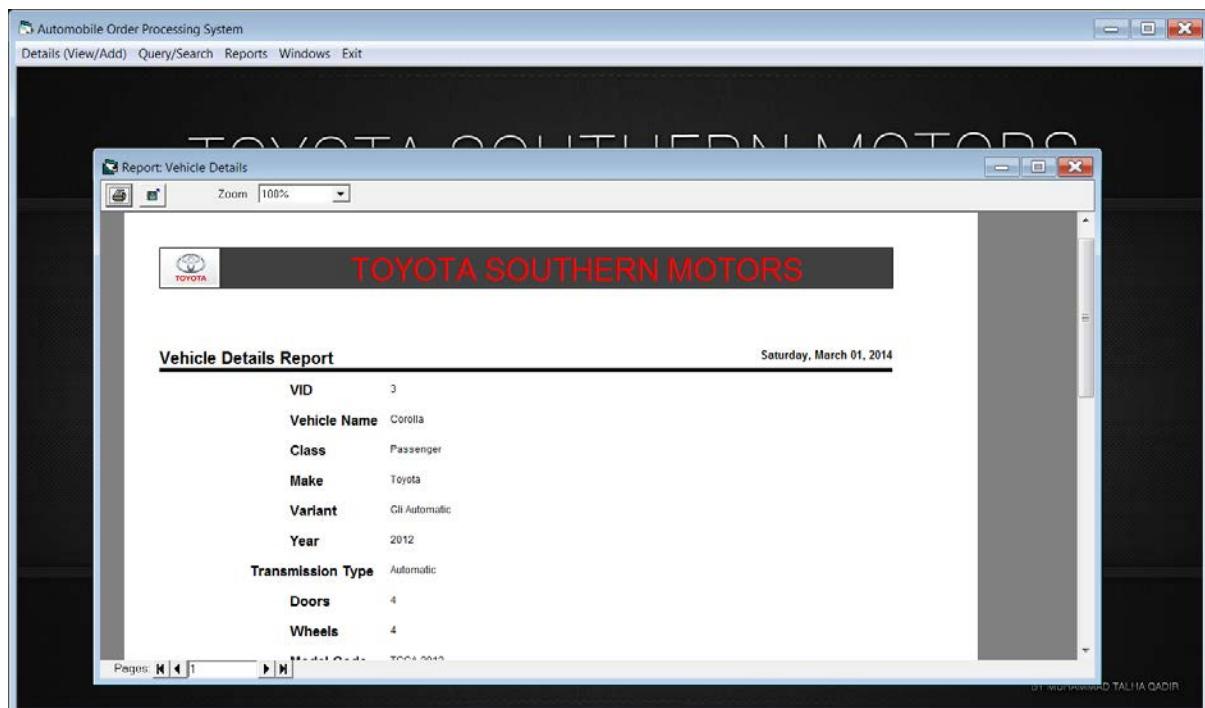
BID	4
Title	Talha Motors
City	Islamabad
Address	A-2319, Sultan Mirza Road
Contact Person	Muhammad Talha
Contact Number	042-21390410
Email	Talha@tm.com
Bank Name	Standard Chartered Bank
Bank Branch	Khan Road Branch
Account Number	2130-590-2095

At the bottom left, there is a page navigation bar with 'Pages: 1 | < | > | >>'.

To view the Vehicle report the user clicks on "Vehicle" and brought to the following screen:

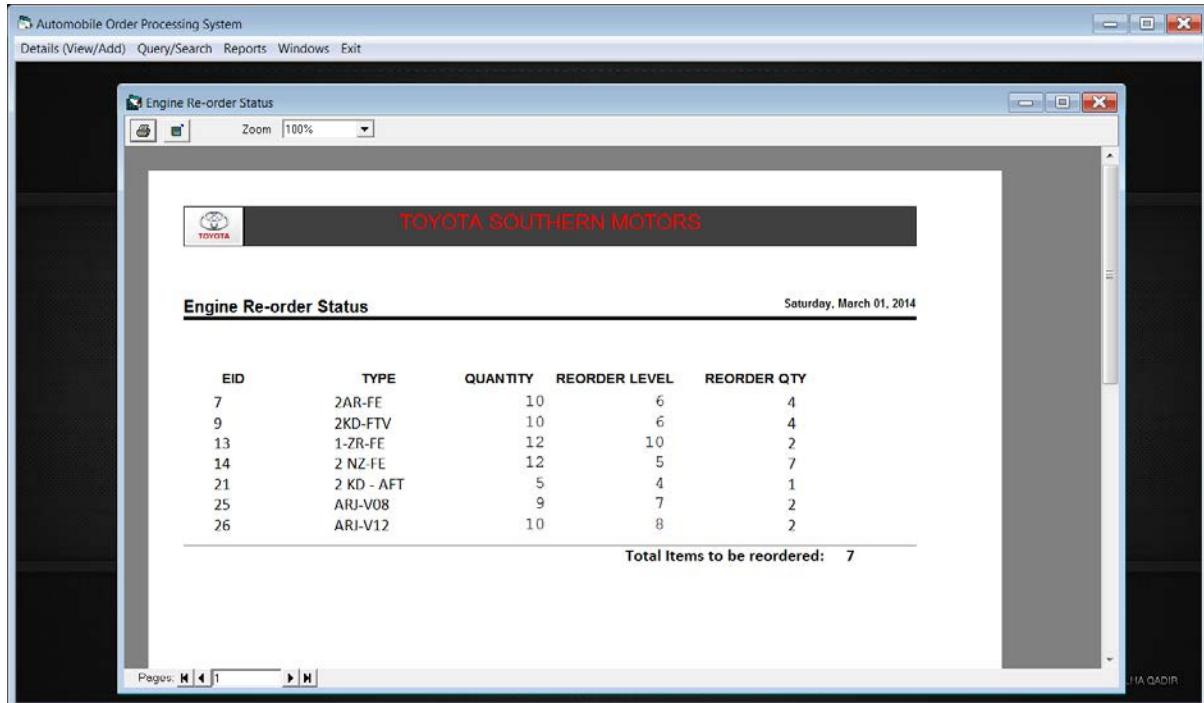


Upon entering the correct "Vehicle ID" the user can view the report as shown below:

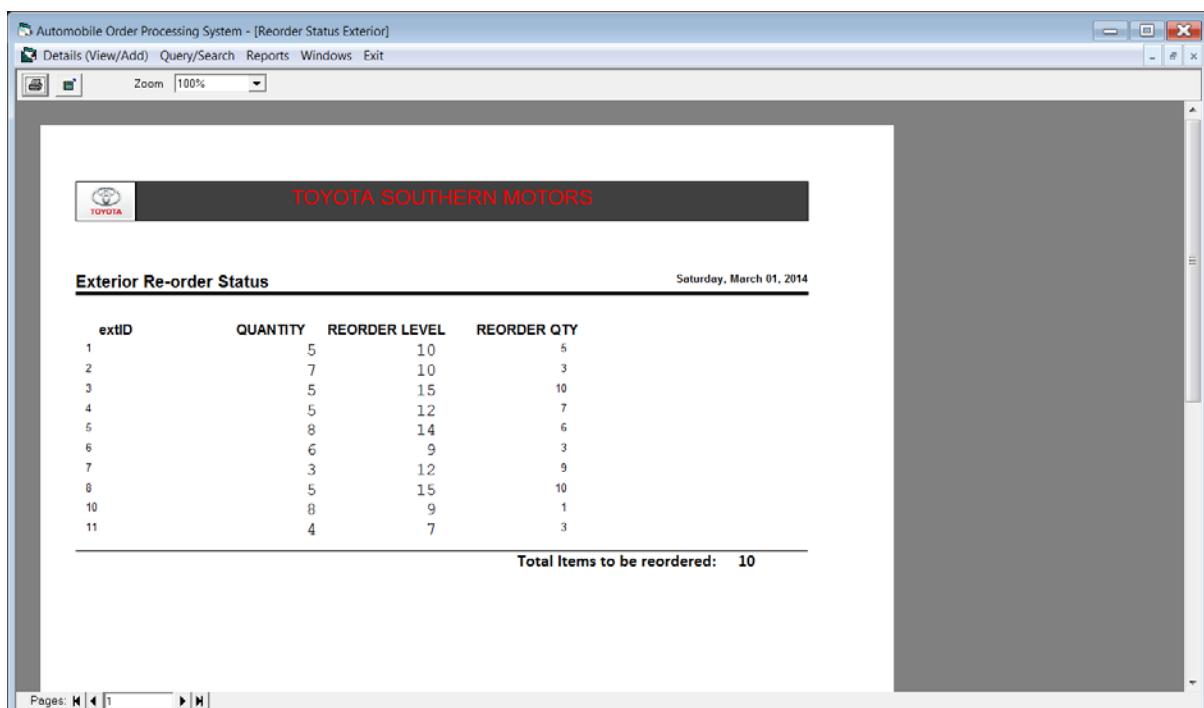


This system has an additional function which allows the user to view the "Restock Level" and "Restock Quantity". Restock Quantity denotes the quantity of a certain package (For example Engine) to be re-ordered. It is a value which is calculated by Subtracting Restock Level (Fixed value) from Quantity in Stock. This allows quick Re-ordering of Parts.

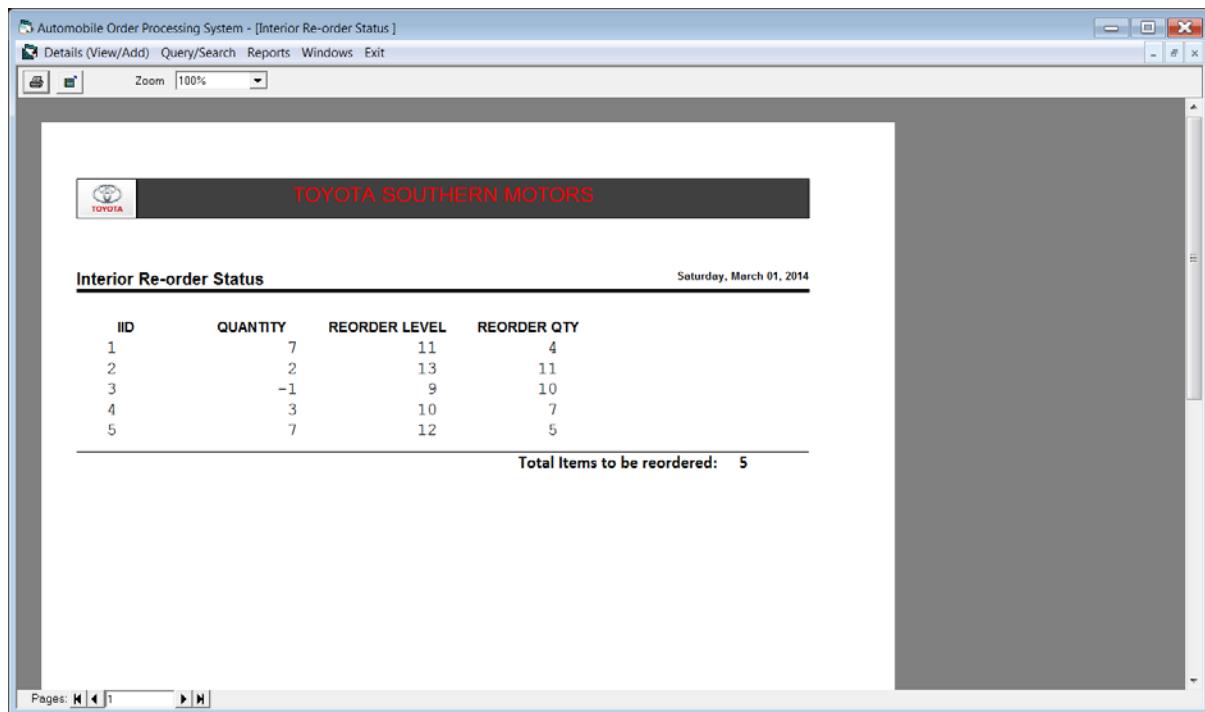
To view Re-Order Status report for Engine, the user clicks on "Re-Order Status" and after this clicks on "Engine". After doing this, he can view the report:



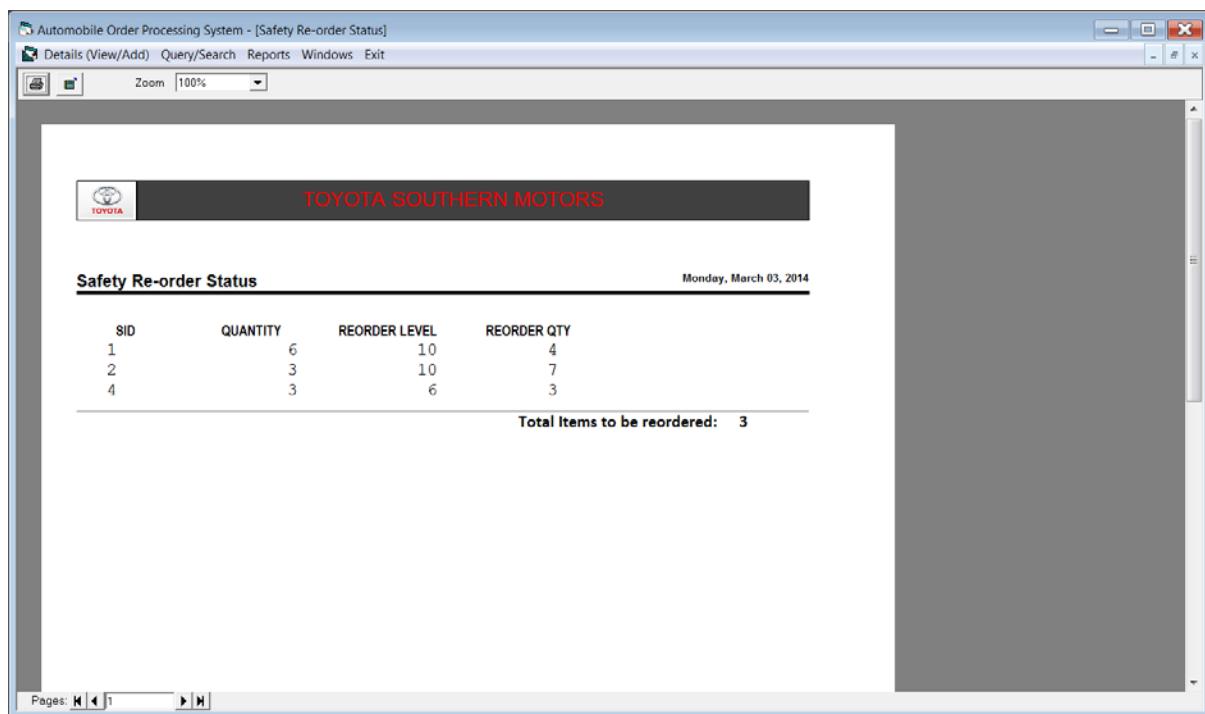
To view Re-Order Status report for Exterior, the user clicks on "Re-Order Status" and after this clicks on "Exterior". After doing this, he can view the report:



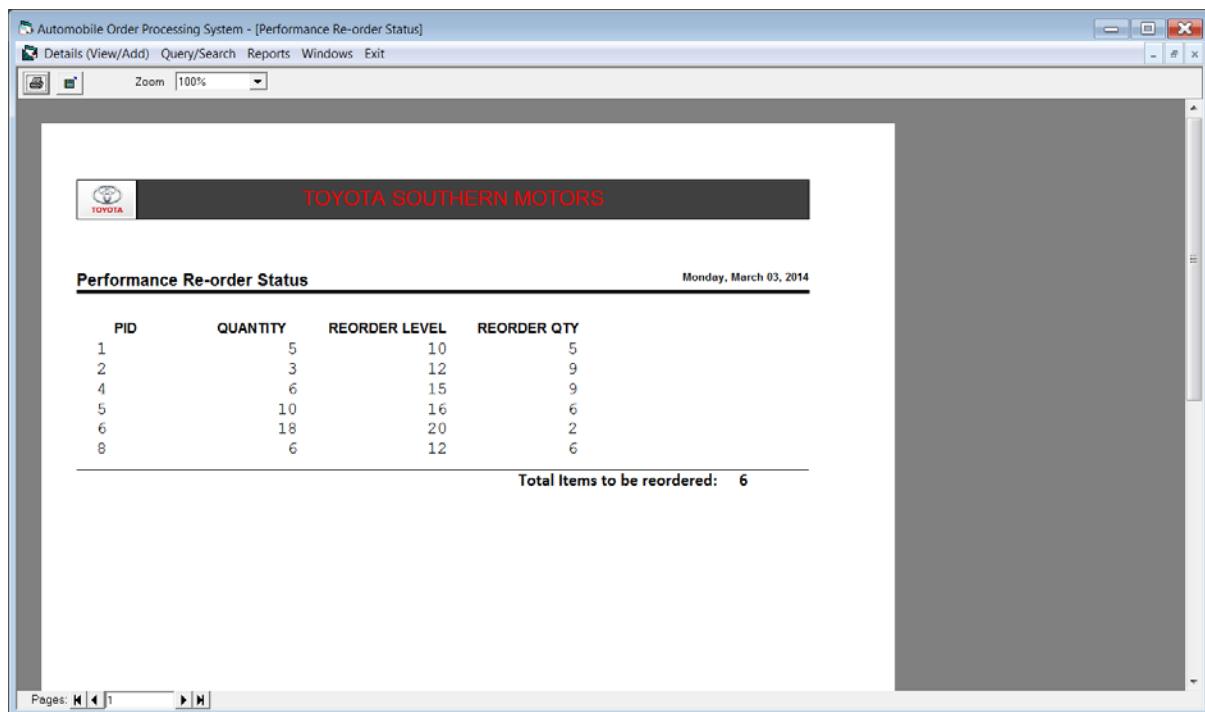
To view Re-Order Status report for Interior, the user clicks on "Re-Order Status" and after this clicks on "Interior". After doing this, he can view the report:



To view Re-Order Status report for Safety, the user clicks on "Re-Order Status" and after this clicks on "Safety". After doing this, he can view the report:



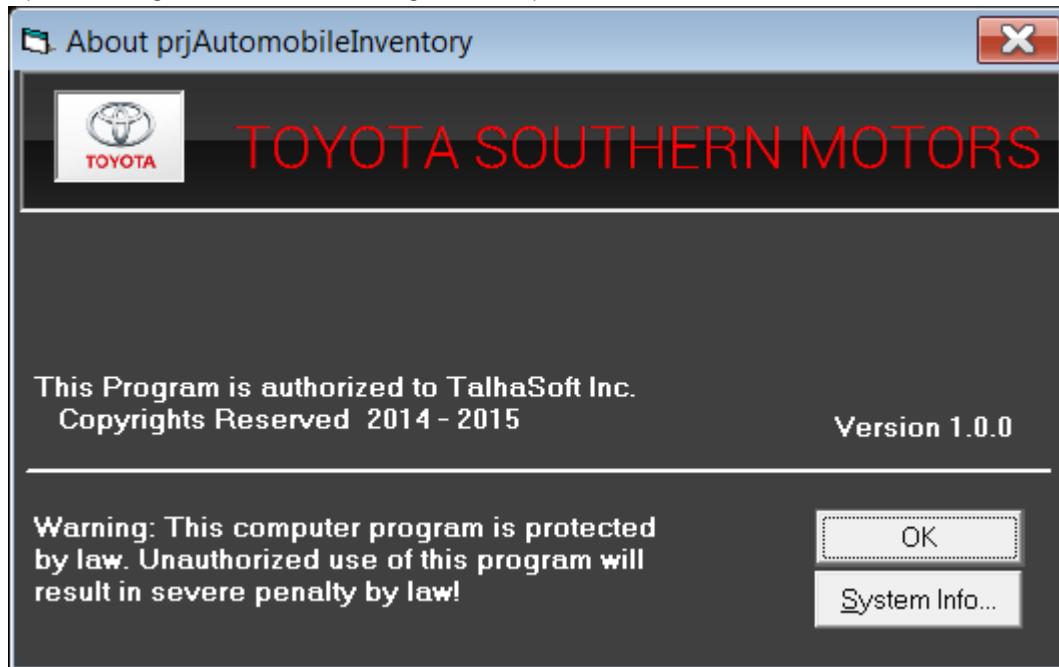
To view Re-Order Status report for Performance, the user clicks on "Re-Order Status" and after this clicks on "Performance". After doing this, he can view the report:



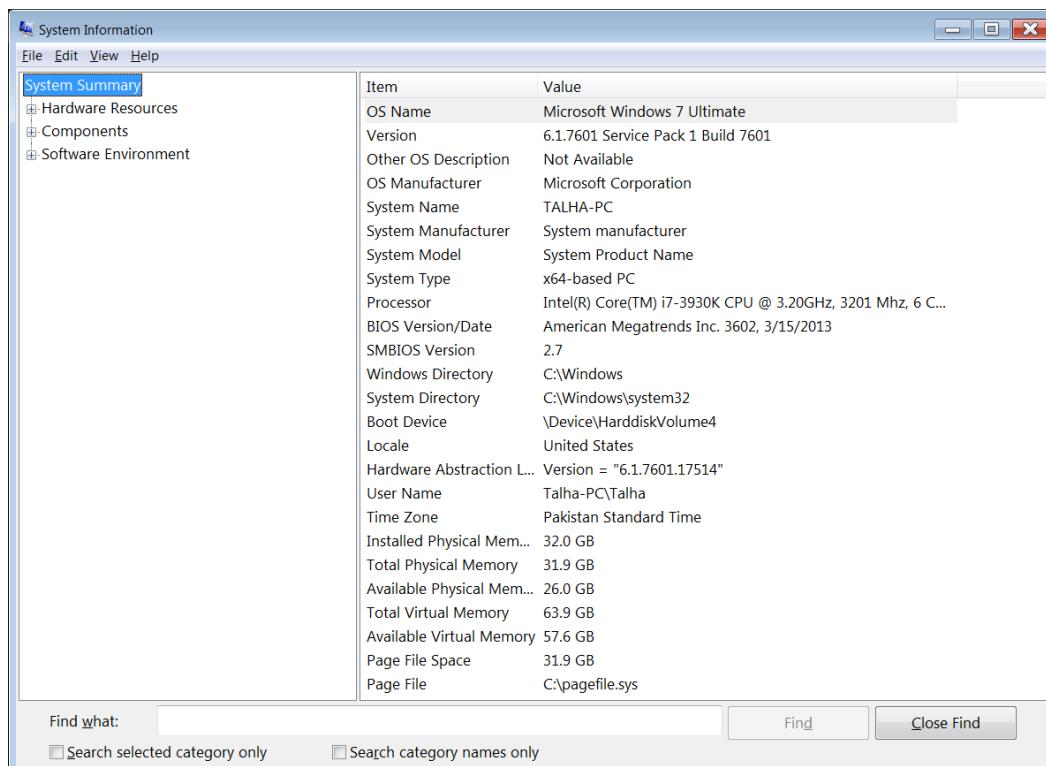
If the user wishes to view the "About", he may do so by clicking on "Exit" and then selecting "About" as shown below:



Upon clicking "About", the following form is opened.

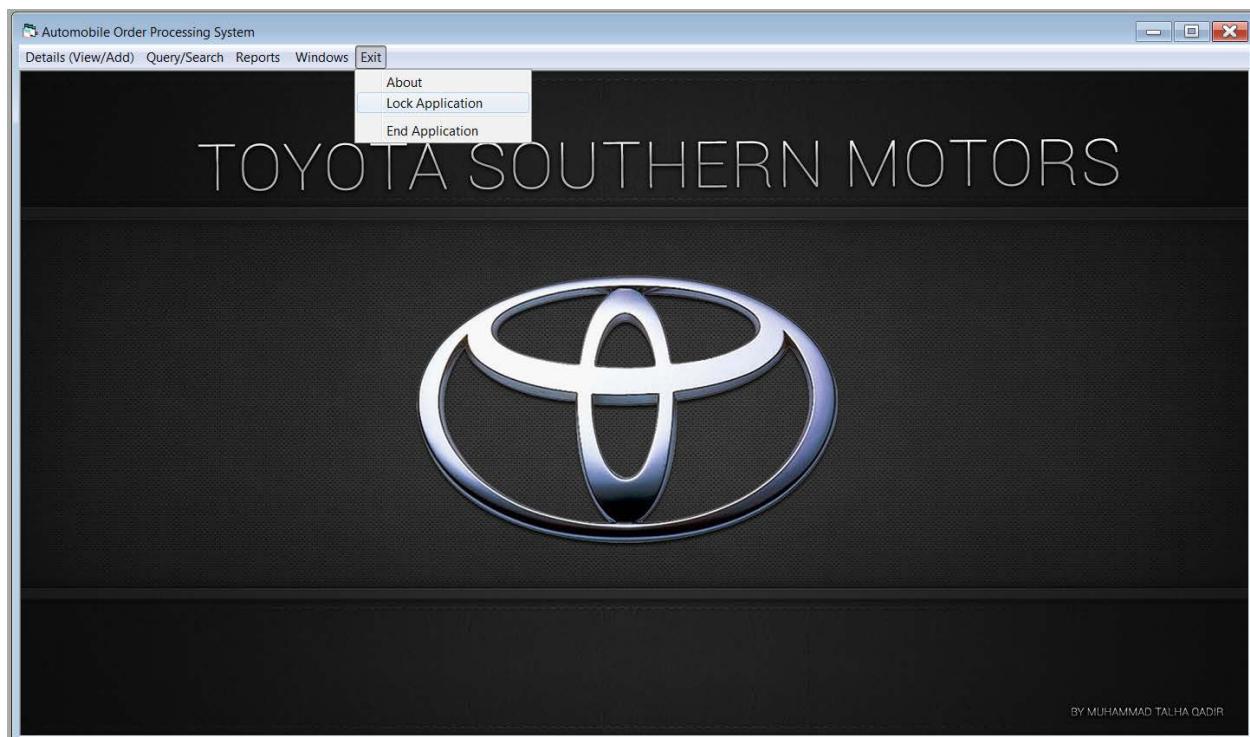


The user can view "System Information" by clicking on "System Info..." as shown below:

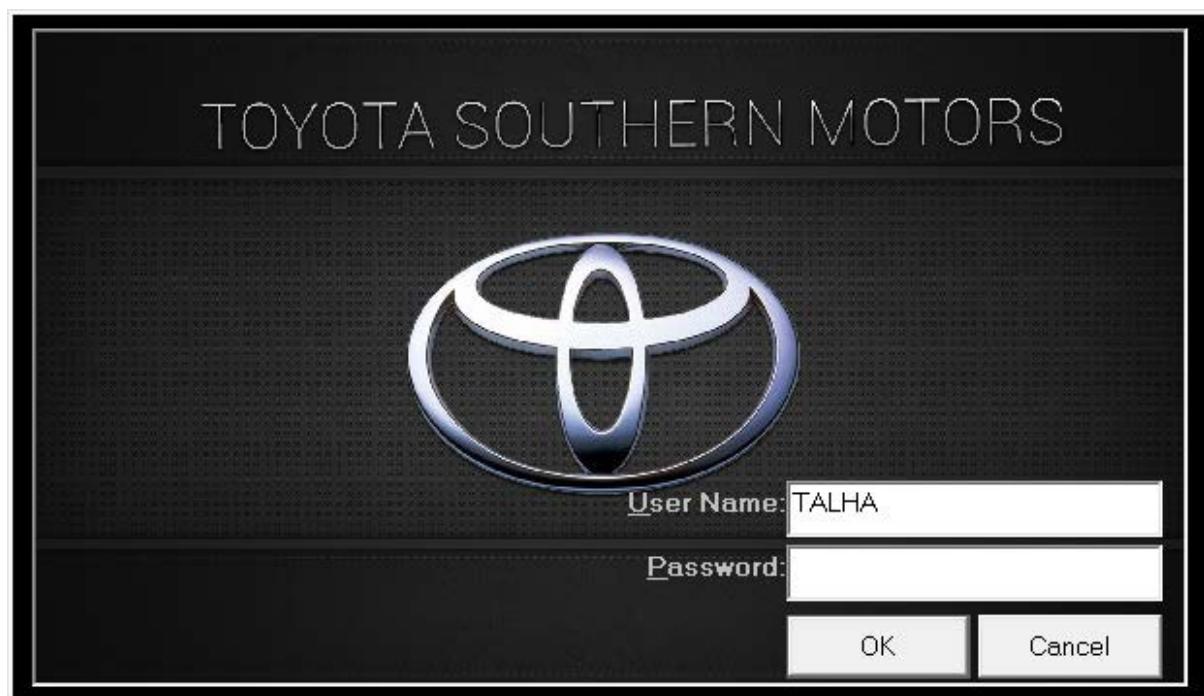


Each user will have a different System summary depending on the hardware specification.

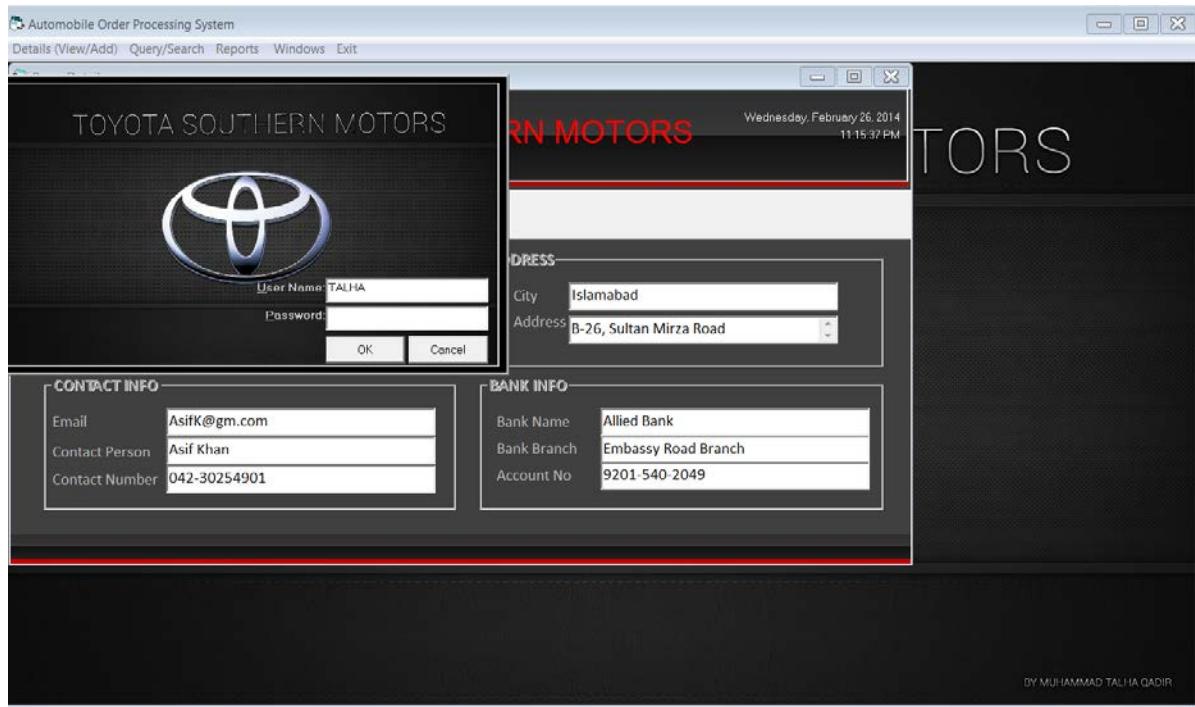
If while working, the user needs to take a break or needs to leave his terminal, he can easily "Lock" the program. This ensures that whatever he was working on cannot be altered/edited by anyone without his credentials.



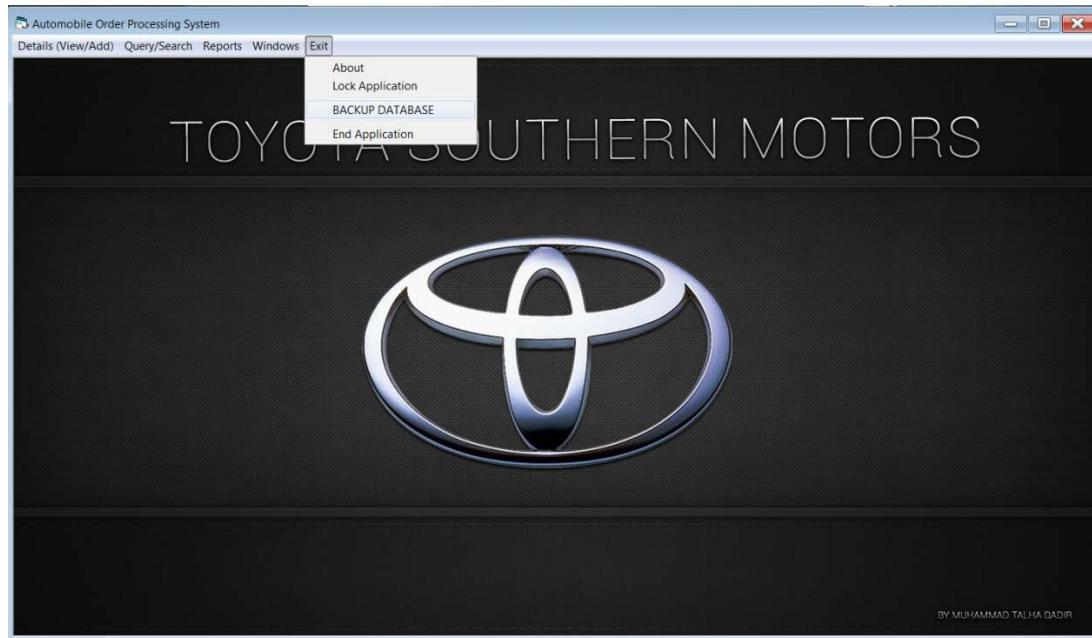
By clicking on "Lock Application", the following screen is shown:



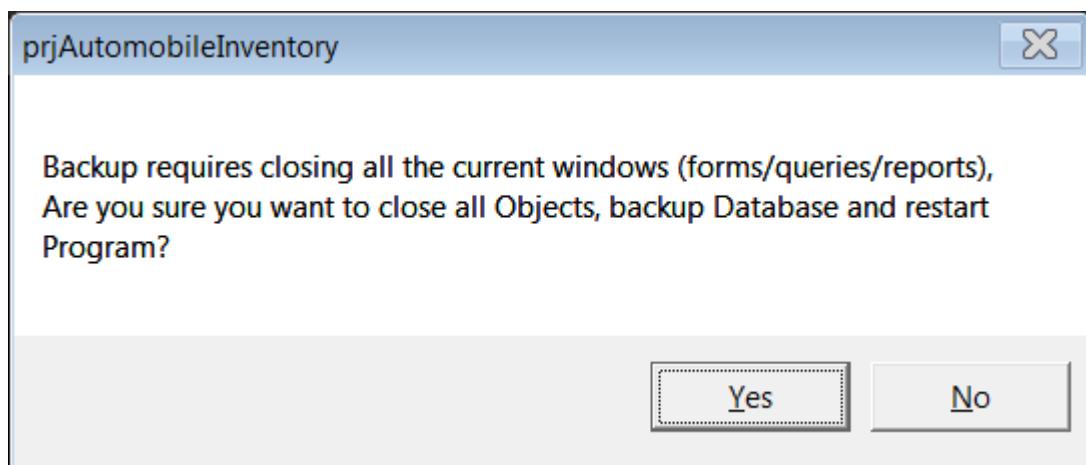
The user has to type his User Name and Password to resume working on the software. The feature ensures that one does not have to close the program and can leave it running even when not on the terminal and not have to worry about any one altering his data. This can be seen below:



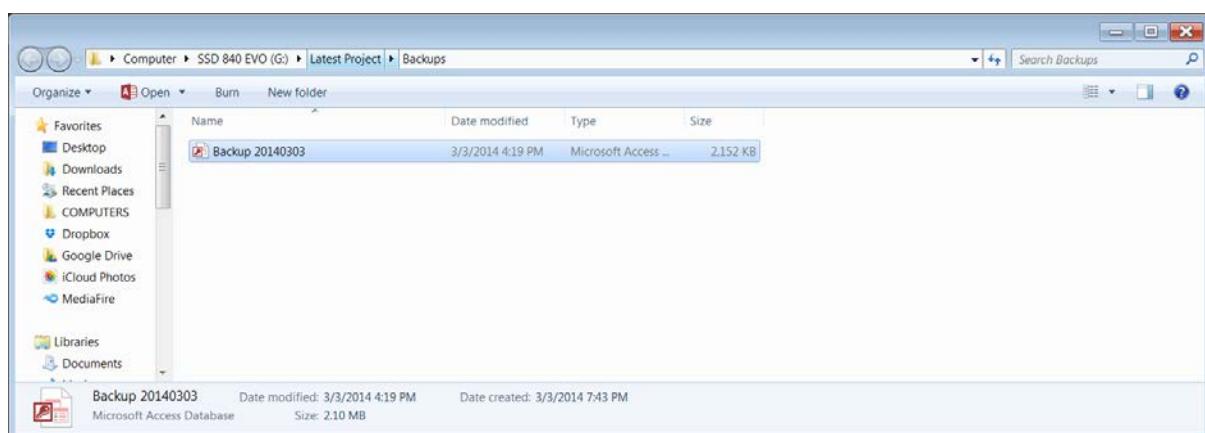
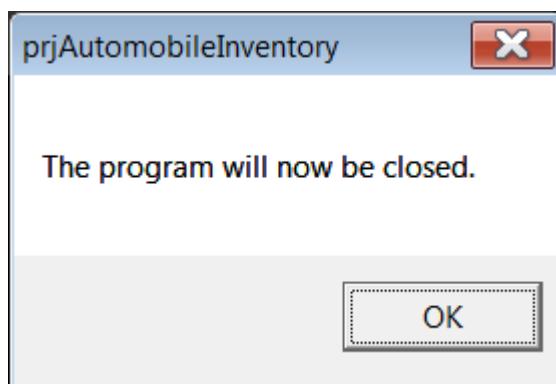
A core ingredient to make any program successful would be the ability to perform backups when the user needs to. Toyota being the large organization that it is, needs to back up their database daily. For this the user can make use of "Backup Database" option as shown below:



Upon clicking the button, the user is shown the following screen:



By clicking "Yes", the user successfully creates a backup of the database as seen below:



Note: Each back up is stored according to date. If multiple backups are made on the same date, they are over written with the newest one. This record shows that the back up was made on 3 March 2014

If the user wishes to end the software, he may do so by clicking on "Exit" and then selecting "End Application" as shown below:

