

## INSTRUCTIONS FOR USING THE PROGRAM

### LOG IN page:

The screenshot shows a web application window titled 'File Help'. The main content area is divided into two panels. The left panel has a black background with a large blue and white Volkswagen logo. Below the logo, the text 'Volkswagen Group' and 'Information System' is displayed in white. The right panel has a light blue background and is titled 'Sign In' in large white letters. It contains three input fields and three buttons. The first input field is labeled 'Username' and has a small user icon to its left; it is marked with a circled '1'. The second input field is for a password, indicated by a lock icon and a series of dots; it is marked with a circled '2'. Below these are three buttons: 'Log In' (marked with a circled '3'), 'Log In as Guest' (marked with a circled '4'), and 'Register now' (marked with a circled '5').

- 1 – Username: here you can enter the username with which you have registered.
- 2 – Password: here you can enter the password to the username that you have entered
- 3 – Log In: you can press this button to log in to the Volkswagen Group information system after entering the registered username and password. This button takes you to the admin home page.
- 4 – Log In as Guest: you can press this button to view the details of all the vehicles in the Volkswagen group.
- 5 – Register now: you can press this button to register your account in the Volkswagen Group.

## Register page:

Sign Up

Username

Password

Confirm Password

Register

Back to Log In

1 – Username: here you can enter the username with which you want to register your account.

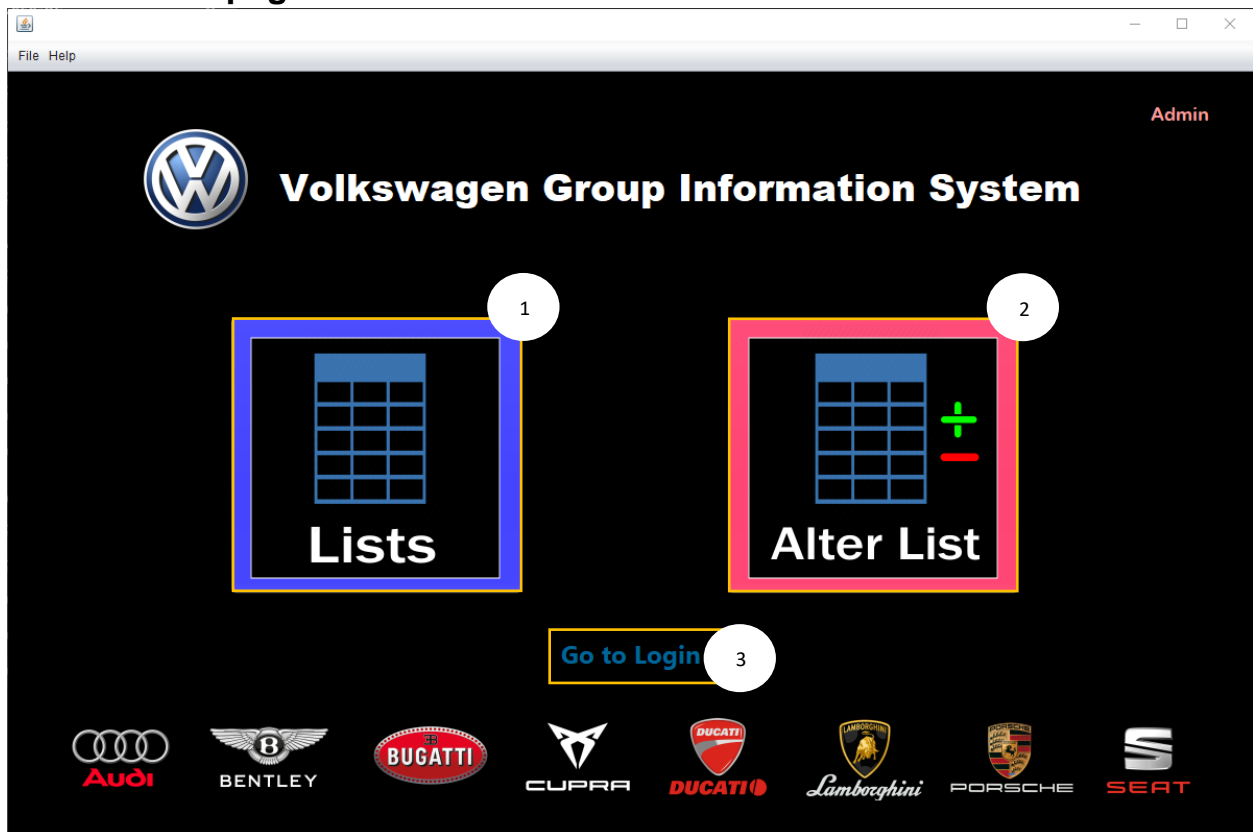
2 – Password: here you can enter the password to the username with which you want to register your account.

3 – Confirm Password: here you need to enter the same password and the one entered in password section.

4 – Register: you can press this button to register your account.

5 – Back to Log In: you can press this button to go back to the Log In page.

## Admin home page



- 1 – Lists: this button will display the list of all vehicles available in the Volkswagen Group.
- 2 – Alter List: this button allows the admin to add, remove and change the details of vehicles.
- 3 – Go to log in: this button will take you from the admin home page to the login page.

## Alter list page

The screenshot shows the 'Volkswagen Group Information System' Admin interface. It features a search bar at the top left, a table of vehicles in the center, and an 'Add Vehicle' form on the right. Numbered callouts (1-18) highlight specific UI elements: 1 points to the search input field; 2 points to the search button; 3 points to the 'Default(Sort)' dropdown; 4 points to the 'All (Genre)' dropdown; 5 points to the 'All (Brand)' dropdown; 6 points to the '<- Home' button; 7 points to the 'Vehicle Name' input field; 8 points to the 'Brand' dropdown; 9 points to the 'Vehicle Type' radio buttons; 10 points to the 'Fuel Type' dropdown; 11 points to the 'Genre' dropdown; 12 points to the 'Total Production' input field; 13 points to the 'Safety Rating' input field; 14 points to the 'Price (\$)' input field; 15 points to the 'CLEAR' button; 16 points to the '+ ADD' button; 17 points to the 'REMOVE' button; and 18 points to the 'View All' button.

S.N.	Vehicle Name	Vehicle Brand	Type	Fuel type	Genre	Production	Safety Rating	Price (\$)
1	Urus	Lamborghini	Car	Petrol	Luxury	15,000	A	220000.0
2	Aventador	Lamborghini	Car	Petrol	Sports	10,000	B	400000.0
3	Centenario	Lamborghini	Car	Petrol	Luxury	40	A	1920000.0
4	Huracan	Lamborghini	Car	Petrol	Sports	10,000	A	210000.0
5	Diavel 1260	Lamborghini	Bike	Petrol	Luxury	40	A	31000.0
6	R8	Audi	Car	Petrol	Sports	300	C	142000.0
7	E-Tron	Audi	Car	Electric	SUV	47,000	A	65000.0
8	Q5	Audi	Car	Petrol	SUV	30,000	B	43000.0
9	RS3	Audi	Car	Petrol	Sports	3,000	A	56000.0
10	TT Roadster	Audi	Car	Petrol	Sports	2,000	B	54000.0
11	Porsche 911	Porsche	Car	Petrol	Luxury	28,000	B	120000.0
12	Macan	Porsche	Car	Petrol	SUV	80,000	A	86000.0
13	Tyacan	Porsche	Car	Electric	Luxury	20,000	B	80000.0
14	Cayenne	Porsche	Car	Hybrid	Luxury	82,000	A	160000.0

1 – select car name: you can enter a vehicle's name or price and search the vehicle by pressing the search button.

2 – search: by pressing this button you can search the vehicle according to its name or price entered in the text field.

3 – Default(sort): by pressing this button you can sort the vehicles according to the alphabet, safety rating, or price.

4 – All(genre): by pressing this button you can sort the vehicles according to the genre.

5 – all(brand): by pressing this button you can sort the vehicles according to the brand.

6 – home: you can press this button to go back to the admin home screen.

7 – vehicle name: here you can enter the name of the vehicle that you want to add or remove.

8 – brand: here you can enter the brand of the vehicle that you want to add or remove.

9 – vehicle type: here you can select the type of vehicle you want to add or remove.

10 – fuel type: here you can select the fuel type of the vehicle that you want to add or remove.

11 – genre: here you can select the genre of the vehicle that you want to add or remove.

12 – total production: here you can enter the total production of the vehicle that you want to add or remove.

13 – safety rating: here you can enter the safety rating of the vehicle that you want to add or remove.

14 – price (\$): here you can enter the price of the vehicle that you want to add or remove.

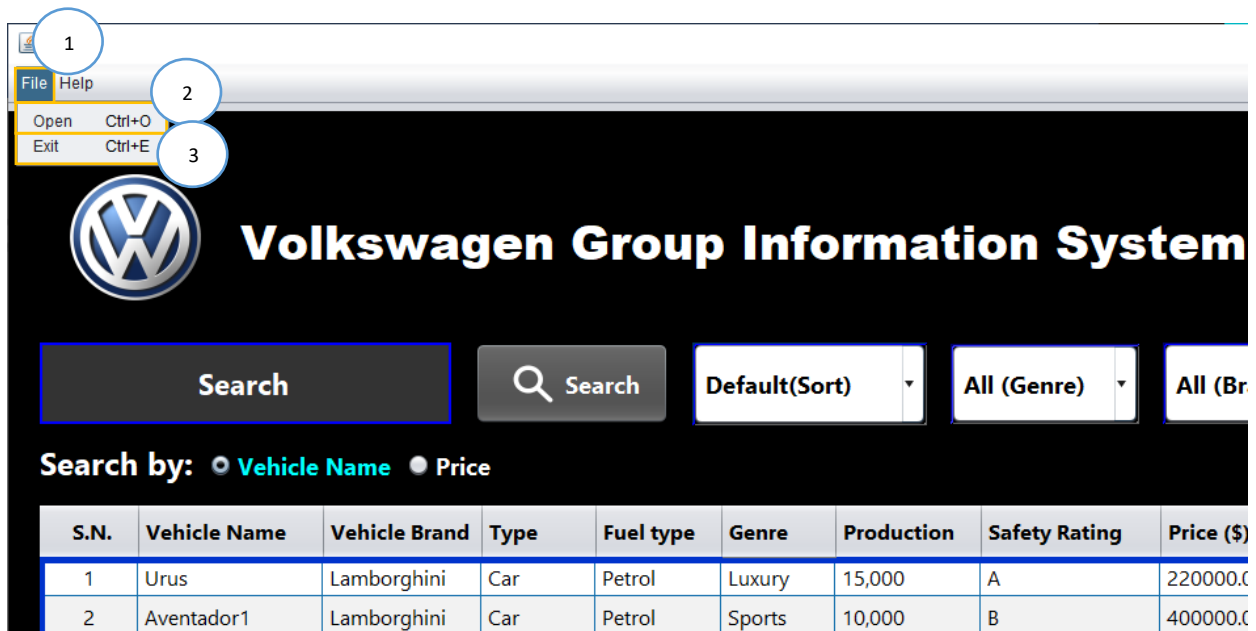
15 – clear: by pressing this button you can clear all the values entered in text fields, radio buttons, and option pane.

16 – add: by pressing this button you can add the vehicles and their details to the vehicle list of the Volkswagen group.

17 – remove: by pressing this button you can remove the vehicles that you have selected from the table.

18 – view all: you can press this button to view the details of all the vehicles in Volkswagen group.

### To open file chooser to select an excel file in alter table of admin

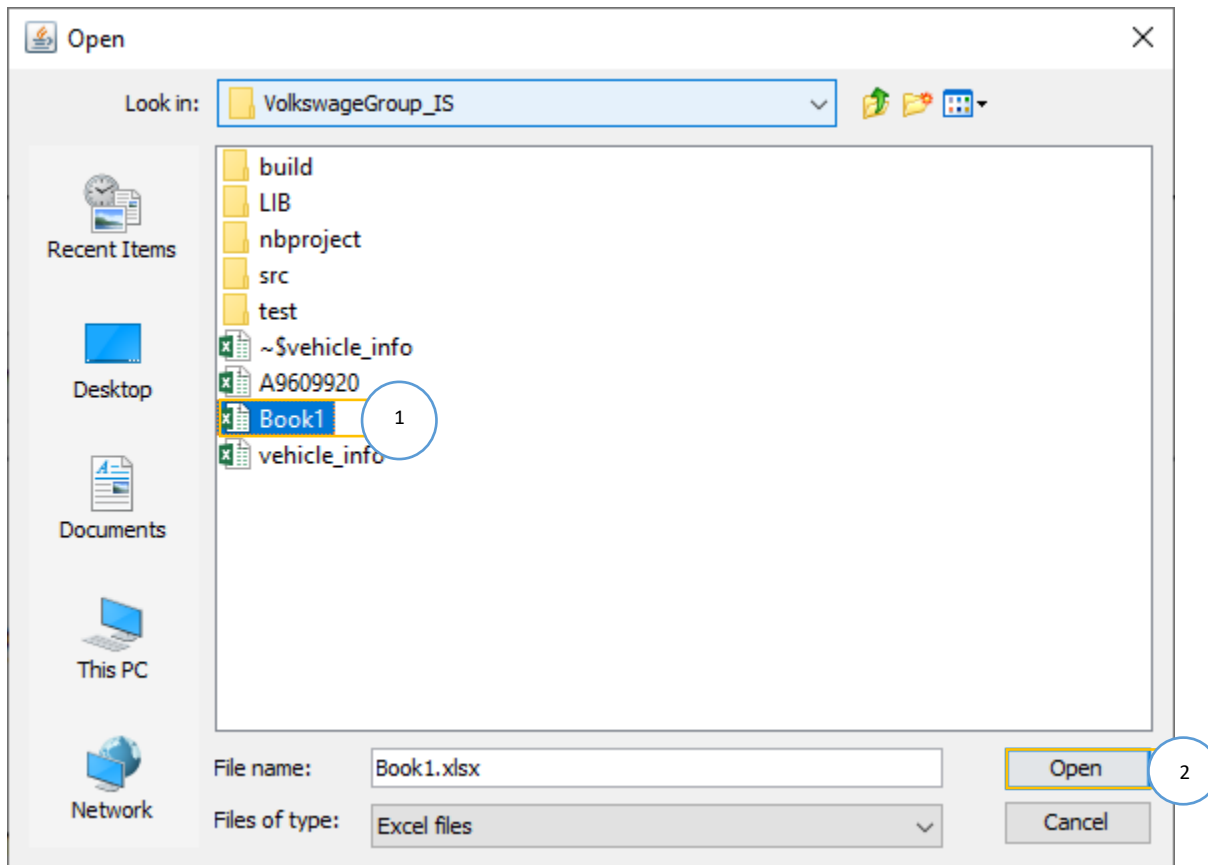


1 – File: after to press the 'File' in the menu bar, two options appear, open and exit.

2 – Open: you can press this option to open file chooser. The file chooser allows you to select different excel file to be displayed in the table. 'Ctrl + O' short cut key can be used to open the file chooser directly.

3 – Exit: you can press this option to terminate the whole program. 'Ctrl + E' shot cut key can be sued to directly terminate the program.

## To open different, excel files from file chooser



1 – Book1: you can select 'Book1' file as shown in the example or other desired files from the file chooser.

2 – Open: you can press this button to open the selected excel file in the table.

## List page

**Volkswagen Group Information System**

Admin

<- Home

1 2 3 4 5

S.N.	Vehicle Name	Vehicle Brand	Type	Fuel type	Genre	Production	Safety Rating	Price (\$)
1	Urus	Lamborghini	Car	Petrol	Luxury	15,000	A	220000.0
2	Aventador	Lamborghini	Car	Petrol	Sports	10,000	B	400000.0
3	Centenario	Lamborghini	Car	Petrol	Luxury	40	A	1920000.0
4	Huracan	Lamborghini	Car	Petrol	Sports	10,000	A	210000.0
5	Diavel 1260	Lamborghini	Bike	Petrol	Luxury	40	A	31000.0
6	R8	Audi	Car	Petrol	Sports	300	C	142000.0
7	E-Tron	Audi	Car	Electric	SUV	47,000	A	65000.0
8	Q5	Audi	Car	Petrol	SUV	30,000	B	43000.0
9	RS3	Audi	Car	Petrol	Sports	3,000	A	56000.0

Audi BENTLEY BUGATTI CUPRA DUCATI Lamborghini PORSCHE SEAT SKODA

1 – search car name: you can enter a vehicle's name or price and search the vehicle by pressing the search button.

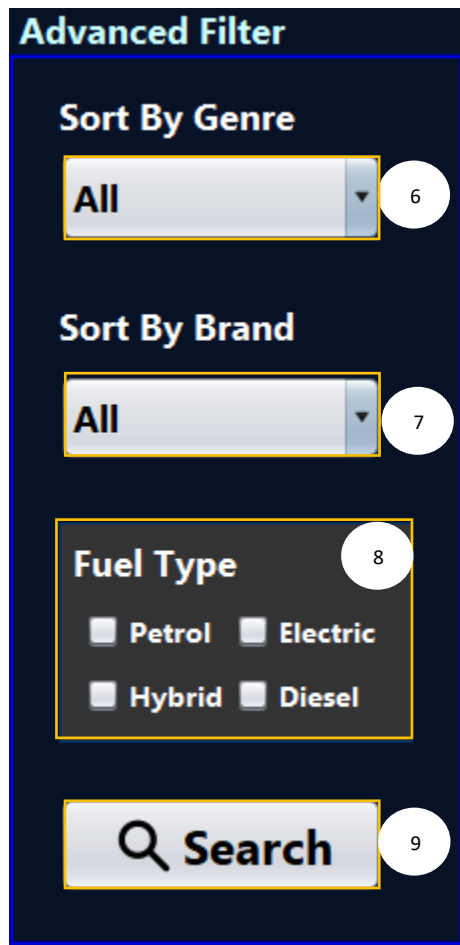
2 – search: by pressing this button you can search the vehicle according to its name or price entered in the text field.

3 – default(sort): by pressing this button you can sort the vehicles according to the alphabet, safety rating, or price.

4 – home: you can press this button to go back to the admin home screen.

5 – advanced filter: by pressing this button you can access the advanced search menu.

## Advanced filter



The image shows a mobile application interface for an 'Advanced Filter'. It has a dark blue background with white text. At the top, the title 'Advanced Filter' is in white. Below it, there are four sections, each with a yellow rectangular callout box and a white circular number to its right. The first section is 'Sort By Genre' with a dropdown menu showing 'All' and callout 6. The second section is 'Sort By Brand' with a dropdown menu showing 'All' and callout 7. The third section is 'Fuel Type' with four checkboxes: 'Petrol', 'Electric', 'Hybrid', and 'Diesel', and callout 8. The fourth section is a 'Search' button with a magnifying glass icon and callout 9.

**Advanced Filter**

**Sort By Genre**

All 6

**Sort By Brand**

All 7

**Fuel Type** 8

☐ Petrol ☐ Electric

☐ Hybrid ☐ Diesel

**Search** 9

6 – sort by genre: by pressing this button you can sort the vehicles according to the genre.

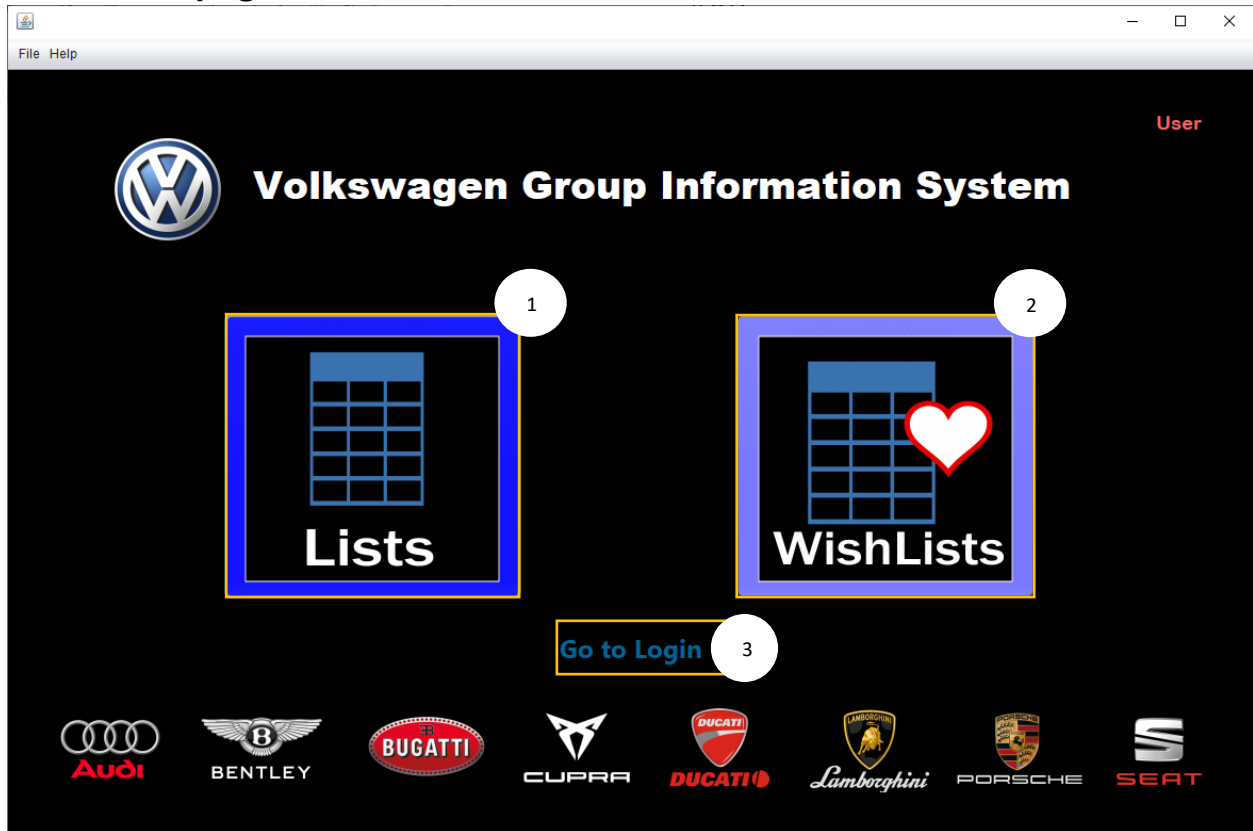
7 – by pressing this button you can sort the vehicles according to the brand.

8 – fuel type: here you can select the fuel type of the vehicle that you want to search and press the search button to search the vehicles of that fuel type.

9 – search: by pressing this button you can search the vehicle according to its name or price entered in the text field.



## User home page:



1 – Lists: this button will display the list of all vehicles available in the Volkswagen Group.

2 – WishLists: this button will display the vehicles that the user has selected to keep in the wish list.

3 – Go to Login: this button will take you from the user home page to the login page.

## List page

**Volkswagen Group Information System**

Search by: ☒ Vehicle Name ☐ Price

S.N.	Vehicle Name	Vehicle Brand	Type	Fuel type	Genre	Production	Safety Rating	Price (\$)
1	Urus	Lamborghini	Car	Petrol	Luxury	15,000	A	220000.0
2	Aventador	Lamborghini	Car	Petrol	Sports	10,000	B	400000.0
3	Centenario	Lamborghini	Car	Petrol	Luxury	40	A	1920000.0
4	Huracan	Lamborghini	Car	Petrol	Sports	10,000	A	210000.0
5	Diavel 1260	Lamborghini	Bike	Petrol	Luxury	40	A	31000.0
6	R8	Audi	Car	Petrol	Sports	300	C	142000.0
7	E-Tron	Audi	Car	Electric	SUV	47,000	A	65000.0
8	Q5	Audi	Car	Petrol	SUV	30,000	B	43000.0
9	RS3	Audi	Car	Petrol	Sports	3,000	A	56000.0

Logos: Audi, Bentley, Bugatti, Cupra, Ducati, Lamborghini, Porsche, SEAT, Skoda

1 – search car name: you can enter a vehicle's name or price and search the vehicle by pressing the search button.

2 – search: by pressing this button you can search the vehicle according to its name or price entered in the text field.

3 – default(sort): by pressing this button you can sort the vehicles according to the alphabet, safety rating, or price.

4 – heart button: this button denotes the wish list button. To add vehicles to your wish list, select the vehicles u want to add to the wish list and then press this button.

5 – home: you can press this button to go back to the admin home screen.

6 – advanced filter: by pressing this button you can access the advanced search menu.

7 – view all: you can press this button to view the details of all the vehicles in Volkswagen group.