



Name	R.# 1. Register Client
Description	Allows the user to register clients by entering the client information.
Input	
id type, id number, name, last name, phone number and address.	
Output	
Creates a client with the given information and adds the client to a clients list in an orderly manner.	

Name	R.# 2. Register Restaurant
Description	Allows the user to register restaurants by entering the restaurant information.
Input	
name, nit, admin name.	
Output	
Creates a restaurant with the given information and adds the restaurant to a restaurants list.	

Name	R.# 3. Register product
Description	Allows the user to register products by entering the product information, and gives the product a generated unique code.
Input	
Name, description, price, nit of the restaurant that offers the product.	
Output	
Creates a product with the given information and adds the product to a products list. Also generates a unique code for that specific product.	

Name	R.# 4. Register delivery
Description	Allows the user to register deliveries by entering the delivery information, and gives the delivery a generated unique code, and the specific time when it was registered.
Input	
Buyer id, restaurant (That owns the product) nit, list of requested products (With id and quantity).	
Output	
Creates a delivery with the given information and adds the delivery to a deliveries list. Also generates a unique code for that specific delivery, and links the delivery with a date and time from when it was registered.	

Name	R.# 5. Update restaurant information.
Description	Allows the user to change and update the saved information of a restaurant by giving the restaurants nit.
Input	
nit, information to change (can be name, nit or admin name).	
Output	
change and update specific information of the selected restaurant, and saving that new restaurant information.	

Name	R.# 6. Update Product information.
Description	Allows the user to change and update the saved information of a product by giving the product code.
Input	code, information to change (can be name,description or price).
Output	change and update specific information of the selected product, and saving that new product information.

Name	R.# 7. Update client information.
Description	Allows the user to change and update the saved information of a client by giving the clients id number.
Input	id number, information to change (can be id number, id type, name, last name, phone number or adress).
Output	change and update specific information of the selected client, and saving that new client information.

Name	R.# 8. Update delivery information.
Description	Allows the user to change and update the saved information of a delivery by giving the delivery code.
Input	code, information to change (buyer id).
Output	change and update specific information of the selected client, and saving that new client

Name	R.# 9. Change delivery state
Description	Allows the user to change the state of a delivery (requested, in process, sent and delivered).
Input	delivery state.
Output	change the delivery state and saves the new state of the delivery.

Name	R.# 10. Check products in a delivery.
Description	Checks that all the products added to a delivery belong to the same restaurant.
Input	delivery state.
Output	change the delivery state and saves the new state of the delivery.

Name	R.# 11. Automatically saves all the information.
Description	When a change has been done to the program it automatically saves the information in the program, for later use.
Output	when a change is made the program saves all your information through the serialization of

Name	R.# 12. Generate a csv file with deliveries information.
Description	Generate and saves a csv file with deliveries information sorted by a specific order, and allows the user to select the separator character or characters to order the information.
Input	
separator character or character.	
Output	
Generates a csv file with all the deliveries and their information. List is sorted by the order: restaurant nit upward, client id downward, delivery date upward, and product code ascendant. Separating each part of the information using the given separator.	

Name	R.# 13. Show a list of all restaurant.
Description	Shows a list of all restaurants sorted by a specific order.
Output	
Shows a list of all restaurants sorted alphabetically upward.	

Name	R.# 14. Show a list of all Clients.
Description	Shows a list of all clients sorted by a specific order.
Output	
Shows a list of all clients sorted by phone number downward.	

Name	R.# 15. Search client.
Description	Search a client by a given name and gives the time that the program took to find this client.
Output	
Shows the client founded (or a message when not finding the client), and shows the time in milliseconds that the program took to find this client.	

Configuration of scenarios:

Name	Class	Scenario
SetUpStageOne	AddClientsTest	Clients list empty.
SetUpStageTwo	AddClientsTest	Clients list Filled with four clients added in random order.

Test Objective: Test if the addClients method from the manager class, if working properly by adding clients following the desired order.				
Class	method	Scenario	input	Result
Manager	addClients	setupStageOne	Document type: CC Id number: 1222594875 Name: Andrea Last name: Sosa Phone number: 3145689751 Address: Cra 21 # 14A - 21	After creating a manager, it should create an empty list of clients, and after adding one client it should be added to the first position of the list.
Manager	addClients	setupStageTwo	none	If the four clients are added with the addClients method in a random order, then they should be added in a certain position to keep the alphabetical order, the client aa-aa in first position, the client bb-bb, in second, the client cc-cc in third, and last, the client dd-dd in the fourth position.