

Supermarket system

Developers:

Hen Simkin

Yossi Elgazari

Rephael Benoliel

Daniel Vaknin

Tomer Raitsis

Alexey Muchinsky

Background:

Our system is a solution for supermarket owners who want to develop and grow to be an online supermarket.

Our system is developed for supermarket managers and clients, it offers an easy and comfortable environment for clients to do their shopping and for supermarket managers to track their orders and inventory and easily increase the sales.

Requirement Details:

Name of the requirement	Manager registration (functional)	Requirement number	1
System name	Supermarket system	Date of creation	31.10.21
the person that required	Raphael Benoliel	Final deadline	7.1.22

Details and description	<p>The manager is asked to enter a username, password (at least 1 capital letter and 1 small letter and numbers between 0-9, maximum 20 digits) and a manager password (preset password).</p> <p>If the username is already existed or the password does not match the requirements or the manager password does not match, an appropriate message will appear.</p>
--------------------------------	---

Requirement Details:

Name of the requirement	Client registration (functional)	Requirement number	2
System name	Supermarket system	Date of creation	31.10.21
the person that required	Raphael Benoliel	Final deadline	7.1.22

Details and description	<p>The client is asked to enter a username, password (at least 1 capital letter and 1 small letter and numbers between 0-9, maximum 20 digits).</p> <p>If the username is already existed or the password does not match, an appropriate message will appear.</p>
--------------------------------	---

Requirement Details:

Name of the requirement	Client/ manager login (functional)	Requirement number	3
System name	Supermarket system	Date of creation	31.10.21
the person that required	Raphael Benoliel	Final deadline	7.1.22

Details and description	<p>The user is asked to enter a username and password. If the username does not exist or password is incorrect, a message will appear. If the details are correct the client/manager will be sent to the main menu.</p>
--------------------------------	---

Requirement Details:

Name of the requirement	Main menu (Manager, functional)	Requirement number	4
System name	Supermarket system	Date of creation	31.10.21
the person that required	Hen Simkin	Final deadline	7.1.22

Details and description	<p>After logging in to the system, the following menu will appear:</p> <ol style="list-style-type: none">1. Catalog management2. Order management3. Print all store products4. change the manager password <p>The manager will pick one of the following above and will be moved to the next page (according to his choice).</p>
--------------------------------	---

Requirement Details:

Name of the requirement	Main menu (Manager, functional)	Requirement number	4.1
System name	Supermarket system	Date of creation	31.10.21
the person that required	Hen Simkin	Final deadline	7.1.22

Details and description	When the manager chooses to change the manager password, he will need to type a new password that will be saved instead the previous one.
--------------------------------	---

Requirement Details:

Name of the requirement	Main menu (client, functional)	Requirement number	5
System name	Supermarket system	Date of creation	31.10.21
the person that required	Hen Simkin	Final deadline	7.1.22

Details and description	<p>After logging in to the system, the following menu will appear:</p> <ol style="list-style-type: none">1.Catalog2.Shopping cart3.Print all store products <p>The client will pick one of the following above and will be moved to the next page (according to his choice).</p>
--------------------------------	--

Requirement Details:

Name of the requirement	Catalog (functional)	Requirement number	6
System name	Supermarket system	Date of creation	31.10.21
the person that required	Hen Simkin	Final deadline	7.1.22

Details and description	<p>A list of all the categories will be printed. The client/manager will choose one of the suggested categories. If he chooses a non-existing option, he will be asked to choose again.</p>
--------------------------------	---

Requirement Details:

Name of the requirement	Category menu (manager, functional)	Requirement number	6.1
System name	Supermarket system	Date of creation	31.10.21
the person that required	Hen Simkin	Final deadline	7.1.22

Details and description	<p>When the manager will enter a specific category, a menu will be printed:</p> <ul style="list-style-type: none">1 Add product2 Update product3 Delete product <p>The manager will choose only one of the above. If he will choose another option an error message will appear.</p>
--------------------------------	--

Requirement Details:

Name of the requirement	Category menu (client, functional)	Requirement number	6.2
System name	Supermarket system	Date of creation	31.10.21
the person that required	Hen Simkin	Final deadline	7.1.22

Details and description	<p>When the client will enter a specific category, a menu will be printed:</p> <p>1 add new item to the shopping cart 2 filter items</p> <p>The client will choose only one of the above. If he will choose another option an error message will appear.</p>
--------------------------------	--

Requirement Details:

Name of the requirement	Adding product (manager, functional)	Requirement number	7
System name	Supermarket system	Date of creation	31.10.21
the person that required	Hen Simkin	Final deadline	7.1.22

Details and description	<p>The manager will choose to add a product, he would do that by entering 3 details:</p> <ol style="list-style-type: none">1. Name2. Amount3. Price <p>If the product exists, an error message will appear, and he will return to the previous menu.</p>
--------------------------------	--

Requirement Details:

Name of the requirement	Updating a product in the catalog (manager, functional)	Requirement number	8
System name	Supermarket system	Date of creation	31.10.21
the person that required	Hen Simkin	Final deadline	7.1.22

Details and description	<p>The manager will choose a product by entering its serial number.</p> <p>If the product doesn't exist a message will appear, and he will return to the previous menu.</p> <p>If the product exists, he will change what he wants from these categories (by selecting a number from 1-3):</p> <ol style="list-style-type: none">1. name2. price3. quantity
--------------------------------	---

Requirement Details:

Name of the requirement	Deleting a product (manager, functional)	Requirement number	9
System name	Supermarket system	Date of creation	31.10.21
the person that required	Hen Simkin	Final deadline	7.1.22

Details and description	<p>The manager will enter the serial number of the product and it will be deleted from the catalog. If the product doesn't exist a message will appear and he will return to the previous menu.</p>
--------------------------------	---

Requirement Details:

Name of the requirement	Deleting a product (manager, functional)	Requirement number	9.1
System name	Supermarket system	Date of creation	31.10.21
the person that required	Hen Simkin	Final deadline	7.1.22

Details and description	A product that is removed from the catalog will be also removed from all the shopping carts.
--------------------------------	--

Requirement Details:

Name of the requirement	Products filter (client, functional)	Requirement number	10
System name	Supermarket system	Date of creation	31.10.21
the person that required	Hen Simkin	Final deadline	7.1.22

Details and description	<p>The client will choose to filter the products from the lowest price to the highest or the opposite. The client can also choose to filter from a specific price. After choosing the filter the products will be printed as the client chose to filter them.</p>
--------------------------------	---

Requirement Details:

Name of the requirement	Buying a product (client, functional)	Requirement number	11
System name	Supermarket system	Date of creation	31.10.21
the person that required	Hen Simkin	Final deadline	7.1.22

Details and description	<p>The client will type the serial number and the quantity of the product and then it will be added to his shopping cart.</p> <p>If the product doesn't exist an error message will appear.</p>
--------------------------------	---

Requirement Details:

Name of the requirement	Buying a product (client, functional)	Requirement number	11.1
System name	Supermarket system	Date of creation	31.10.21
the person that required	Hen Simkin	Final deadline	7.1.22

Details and description	In case the client chose an amount of a product that is bigger than the inventory he will be informed, Also, all the amount of the inventory of this product will be added to his shopping cart.
--------------------------------	---

Requirement Details:

Name of the requirement	Shopping cart menu (functional)	Requirement number	12
System name	Supermarket system	Date of creation	31.10.21
the person that required	Tomer Raitsis	Final deadline	7.1.22

Details and description	<p>The client will choose one of the next options:</p> <ul style="list-style-type: none">1 edit shopping cart2 erase shopping cart3 print shopping cart4 purchase shopping cart <p>If he will choose another option an error message will appear</p>
--------------------------------	---

Requirement Details:

Name of the requirement	Shopping cart edit (functional)	Requirement number	13
System name	Supermarket system	Date of creation	31.10.21
the person that required	Tomer Raitsis	Final deadline	7.1.22

Details and description	<p>The client will type the serial number of the product he wants to edit, The client will be able to change only the quantity of the product in his shopping cart.</p> <p>If the product doesn't exist, an error message will appear.</p>
--------------------------------	--

Requirement Details:

Name of the requirement	Shopping cart edit (functional)	Requirement number	13.1
System name	Supermarket system	Date of creation	31.10.21
the person that required	Tomer Raitsis	Final deadline	7.1.22

Details and description	In case the client changed the quantity of a certain product in his shopping cart to zero, the product will be erased from his cart.
--------------------------------	--

Requirement Details:

Name of the requirement	Shopping cart edit (functional)	Requirement number	13.2
System name	Supermarket system	Date of creation	31.10.21
the person that required	Tomer Raitsis	Final deadline	7.1.22

Details and description	In case the client will choose a quantity that is bigger than inventory, an error message will appear. The quantity in his shopping cart will change to the maximum amount of the product available in the store.
--------------------------------	--

Requirement Details:

Name of the requirement	Shopping cart edit (functional)	Requirement number	13.3
System name	Supermarket system	Date of creation	31.10.21
the person that required	Tomer Raitsis	Final deadline	7.1.22

Details and description	Every change that the client will make in his shopping cart by adding or removing products will be automatically updated in the quantity of products in the store.
--------------------------------	--

Requirement Details:

Name of the requirement	Erasing the Shopping cart (functional)	Requirement number	14
System name	Supermarket	Date of creation	31.10.21
the person that required	Tomer Raitsis	Final deadline	7.1.22

Details and description	<p>In case the client would like to erase all of his shopping cart a warning message will appear, the client would have to approve again his choice to erase the shopping cart (to prevent mistakes).</p> <p>If the client chose to erase his shopping cart, all of the shopping cart items will be lost and they will be added back to the store.</p>
--------------------------------	--

Requirement Details:

Name of the requirement	Finishing the order (functional)	Requirement number	15
System name	Supermarket	Date of creation	31.10.21
the person that required	Tomer Raitsis	Final deadline	7.1.22

Details and description	<p>The client will be transferred to the paying page, there he will have to type in: His full name, ID, full address, credit card details and he will choose a day for receiving his delivery, if one of the details is wrong the client will have to fill it again. There will be a message that says: "The deliveries will be delivered between 08:00 – 23:00. The delivery crew will contact the client 30 minutes before they will arrive."</p>
--------------------------------	---

Requirement Details:

Name of the requirement	Finishing the order (functional)	Requirement number	15.1
System name	Supermarket system	Date of creation	31.10.21
the person that required	Tomer Raitsis	Final deadline	7.1.22

Details and description	There will not be an option to choose a delivery on Saturday. If the client chooses this option an error message will appear.
--------------------------------	--

Requirement Details:

Name of the requirement	Finishing the order (functional)	Requirement number	15.2
System name	Supermarket system	Date of creation	31.10.21
the person that required	Tomer Raitsis	Final deadline	7.1.22

Details and description	There will be 15 shipments a day. In case a client will choose a fully filled day, an error message will appear and he will need to choose again another day.
--------------------------------	--

Requirement Details

Name of the requirement	Takeaway service (optional)	Requirement number	16
System name	Supermarket system	Date of creation	31.10.21
the person that required	Tomer Raitsis	Final deadline	7.1.22

Details and description	<p>The client would choose a takeaway option instead of picking a day for delivery.</p> <p>They will have to come and collect their shopping cart from the store (the order will be ready in 1 hour after they paid for their shopping cart).</p>
--------------------------------	---

Requirement Details:

Name of the requirement	Printing the entire shopping cart (functional)	Requirement number	17
System name	Supermarket system	Date of creation	31.10.21
the person that required	Tomer Raitsis	Final deadline	7.1.22

Details and description	All of the items the client chose will be printed by the order he added them to his shopping cart. They will include: serial number, name, price, quantity, category.
--------------------------------	--

Requirement Details:

Name of the requirement	Orders List (Manager, functional)	Requirement number	18
System name	Supermarket system	Date of creation	31.10.21
the person that required	Yossi Elgazari	Final deadline	7.1.22

Details and description	After entering, all the orders of all the clients will be printed by dates. The manger will have to choose 1 order by its serial number. Then he will choose between 2 options: (1) Approve order (2) Cancel order
--------------------------------	---

Requirement Details:

Name of the requirement	Orders List (Manager, functional)	Requirement number	18.1
System name	Supermarket system	Date of creation	31.10.21
the person that required	Yossi Elgazari	Final deadline	7.1.22

Details and description	When the client enter his basket (after the manager cancelled his order) this message will appear: "Management has canceled your order, for further info you may contact the store".
--------------------------------	---

Requirement Details:

Name of the requirement	Printing all the products in the store (functional)	Requirement number	19
System name	Supermarket system	Date of creation	31.10.21
the person that required	Yossi Elgazari	Final deadline	7.1.22

Details and description	All the items of all the categories will be printed on the screen, the products will be in order by categories, above each list of products there will be title of its category. Main menu will be printed afterwards.
--------------------------------	---

Requirement Details:

Name of the requirement	A sale by categories (functional)	Requirement number	20
System name	Supermarket system	Date of creation	31.10.21
the person that required	Daniel Vaknin	Final deadline	7.1.22

Details and description	<p>There will be a Category named Discounts. The clients/managers can choose this category and see which categories are on discount. The manager would be able to change the discounts in his edit menu.</p> <p>The default discounts are (every day is a different discount): Sunday - 5 percent discount on all vegetables and fruits department Monday - 5 percent discount at the bakery Tuesday - 5 percent discount on the dairy products. Wednesday - 5 percent discount on the meat products Thursday - 5 percent discount on the fish products</p>
--------------------------------	---

Requirement Details:

Name of the requirement	Details of every product in the store (functional)	Requirement number	21
System name	Supermarket system	Date of creation	31.10.21
the person that required	Daniel Vaknin	Final deadline	7.1.22

Details and description	The product in the store will have the following details: Serial number, name, category, quantity in stock, price.
--------------------------------	---

Requirement Details:

Name of the requirement	Return option in the store menus (functional)	Requirement number	22
System name	Supermarket system	Date of creation	31.10.21
the person that required	Daniel Vaknin	Final deadline	7.1.22

Details and description	In each menu, users will have the option to return to the previous screen/menu.
--------------------------------	---

Requirement Details:

Name of the requirement	Return option in the store menus (functional)	Requirement number	22.1
System name	Supermarket system	Date of creation	31.10.21
the person that required	Daniel Vaknin	Final deadline	7.1.22

Details and description	<p>In the main menu, instead of the return option, the user will have the option to log out of the system, if the user selects it, a warning message will appear (the user will choose yes or no). If so, he will leave the system and his shopping cart will be deleted.</p>
--------------------------------	---

Requirement Details:

Name of the requirement	Menu printout after every action (functional)	Requirement number	23
System name	Supermarket system	Date of creation	31.10.21
the person that required	Alexey Muchinsky	Final deadline	7.1.22

Details and description	After each action, a message will be printed whether the action was performed successfully or not and the previous menu will be displayed.
--------------------------------	--

Requirement Details

Name of the requirement	Site persistence (not functional requirement)	Requirement number	24
System name	Supermarket system	Date of creation	31.10.21
the person that required	Alexey Muchinsky	Final deadline	7.1.22

Details and description	The site should withstand a load of 1000 users online at the same time.
--------------------------------	---

Requirement Details

Name of the requirement	User safety (not functional requirement)	Requirement number	25
System name	Supermarket system	Date of creation	31.10.21
the person that required	Alexey Muchinsky	Final deadline	7.1.22

Details and description	The site must guarantee the safety of the user's data (ID, credit card details and so on)
--------------------------------	---

Requirement Details

Name of the requirement	Checking the buyer's bank account (not functional requirement)	Requirement number	26
System name	Supermarket system	Date of creation	31.10.21
the person that required	Alexey Muchinsky	Final deadline	7.1.22

Details and description	The site will check the buyer's bank account, whether there is enough money to make a purchase or not. if the client can't afford the purchase an error message will appear.
--------------------------------	--

Requirement Details

Name of the requirement	Availability of the site in search engines (not functional requirement)	Requirement number	27
System name	Supermarket system	Date of creation	31.10.21
the person that required	Alexey Muchinsky	Final deadline	7.1.22

Details and description	The site will be available in all the browsers.
--------------------------------	---

Requirement Details

Name of the requirement	Chat with a representative from the store (optional)	Requirement number	28
System name	Supermarket system	Date of creation	31.10.21
the person that required	Daniel Vaknin	Final deadline	7.1.22

Details and description	The clients will have an option to open an online chat and get help at what they need from a store representative.
--------------------------------	--

Requirement Details

Name of the requirement	Club membership / VIP membership (optional)	Requirement number	29
System name	Supermarket system	Date of creation	31.10.21
the person that required	Tomer Raitsis	Final deadline	7.1.22

Details and description	<p>There will be an option for clients to become a club members / VIP members.</p> <p>They will pay a certain amount of money per month, In exchange they will have an extra 5 percent discount in every purchase they make.</p>
--------------------------------	--