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College of Computer Science & Information Technology
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CIS 423 Web-Based Systems –

**Project Final Report
For**



زري

Z E R I

Section S8F3– Team 3

Version 1.0
Ms. Ghada Alruqaib

April 19, 2020



CIS423-Web Based System

Project Group Number (in Blackboard): Team C

Program Name: ☒ CS ☐ CIS

Section Number: ☐ Group (1) ☐ Group (2) ☒ Group (3)

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1. Project Description

ZERI is an online shopping website that offers a variety of Arabian fashion and clothing choices including Abayas, Jalabyas, Dresses and kids ware from the newest trends and seasonal collections, it combines all what an Arabian woman needs in one website. ZERI gives the modern Arabian women a chance to discover new designers and exclusive designs as we offer many beautiful, unique and high quality clothing pieces that satisfies all tastes.

Small designers and new brands are welcomed to be a ZERI member and expand their businesses with the help of our website, find more potential customers and find marketing space to advertise their brand name.

2. Work Division

• Milestone 1:

Work Role	Members
Interfaces	All Team Members have taken at least 2 interfaces except people who take only one interface did the database
CSS Style	Zahraa Maher Al-Nemer Doaa Abdullah Alawad
Database ER + Tables	Walaa Wadea Alfaraj Elaf Mohammed Albreek

Table 1 Work division for first milestone

• Milestone 2:

Work Role	Members
Admin Side	All Team Members
Customer Side	All Team Members

Table 2 Work division for second milestone

3. Database Design

- **Tables:**

- **Product Table:**

Product_id	Product_img	Product_Name	Product_description	Product_price	Product_size	Product_category	Product_quantity	Admin_id
A000001	img-pro-04.jpg	Beaded evening dress	Charming evening dress in gray color with high neck and Concealed zipper placket on reverse, beaded and embellished with pearls, small sparkling crystals and fringe details.	2400	XS,S,M,L,XL,2XL	Dress	12	Admin
A000002	img-pro-01.jpg	White summer dress	White, Sheer Panel Fit & Flare Mesh and Lace Dress for summer	420	XS,S,M,L,XL,2XL	Dress	10	Admin
A000003	img-pro-03.JPG	Embellished black abaya	The minimalistic black colored abaya is a sophisticated outerwear choice. The material fuses fashion 340with function and promises to enrich your work-to-weekend line-up. Wear it for the wedding function or	340	XS,S,M,L,XL,2XL	Abaya	8	Admin

			layered over a slip dress when off duty- the possibilities are endless.					
A000004	img-pro-02.JPG'	Navy sequin dress	LOVE&LE MONADEout Navy Sequin Prom Dress for parties	2600	XS,S,M,L,XL,2XL	Dress	5	Admin
A000005	'img-pro-05.jpg	White stripes details abaya	Round neckline Long sleeves Snap button closure at front Soft pleats at front waist and sleeves Contrast floral patchwork embroidery Comes with a sheila Dry clean only'	280	XS,S,M,L,XL,2XL	Abaya	9	Admin
A000006	img-pro-06.jpg	Green & white design jalabya	'Plunging Neck Twist Split Tight Floral Jalabya	530	XS,S,M,L,XL,2XL	Jalabya	6	Admin
A000007	img-pro-07.jpg	Green kid's tie dress	Toddler Girls Floral Embroidery Frill Cuff Turquoise Dress	150	XS,S,M,L,XL,2XL	Kids Ware	15	Admin
A000008	img-pro-08.jpg	Pink feathered kid's dress	Toddler Girls Contrast Collar Bow Lace Fur Panel Dress	280	XS,S,M,L,XL,2XL	Kids Ware	4	Admin
A000009	img-pro-09.jpg	Off-white & gold detail jalabya	High Neck Off-white & gold detail Jacquard Thread Jalabya	490	XS,S,M,L,XL,2XL	Jalabya	4	Admin

Table 3 Product Table in Database



▪ **Admin Table:**

Admin_id	Admin_password
Zahraa_Maher	ZZ123456
Walaa_Wadeea	WW123456
Elaf_Mohammed	EE123456
Bashayer_Abdullah	BB123456
Abeer_Salem	AA123456
Doaa_Abdullah	DD123456
Aisha_Almuniee	AA123456
Fedaa_Mohammad	FF123456
Admin	123123

Table 4 Admin Table in Database

• **ER Diagram:**

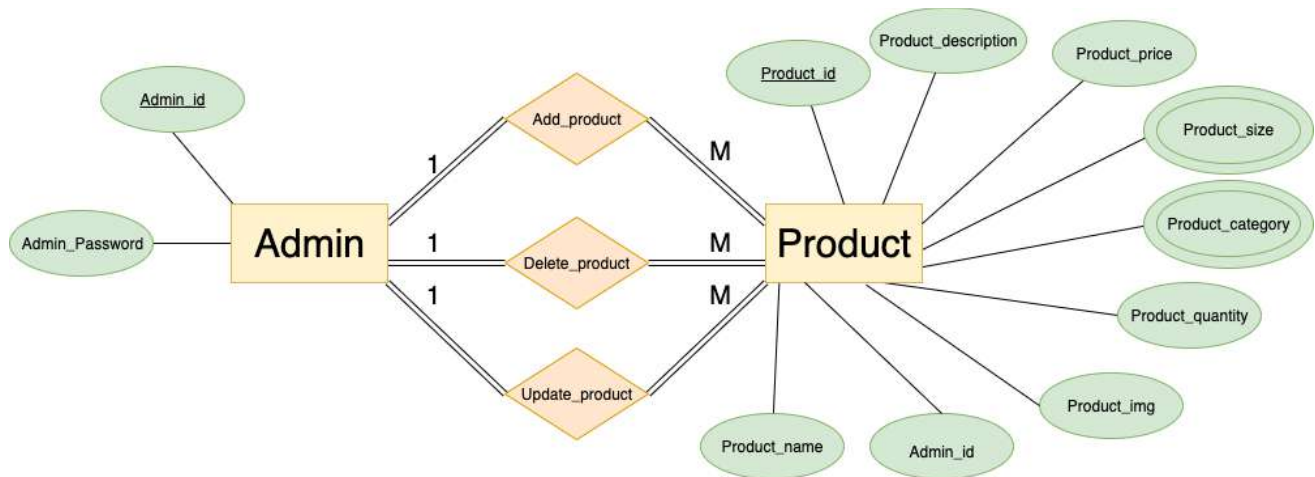


Figure 1 Database ER Diagram



4. Web Interfaces

- Homepage:

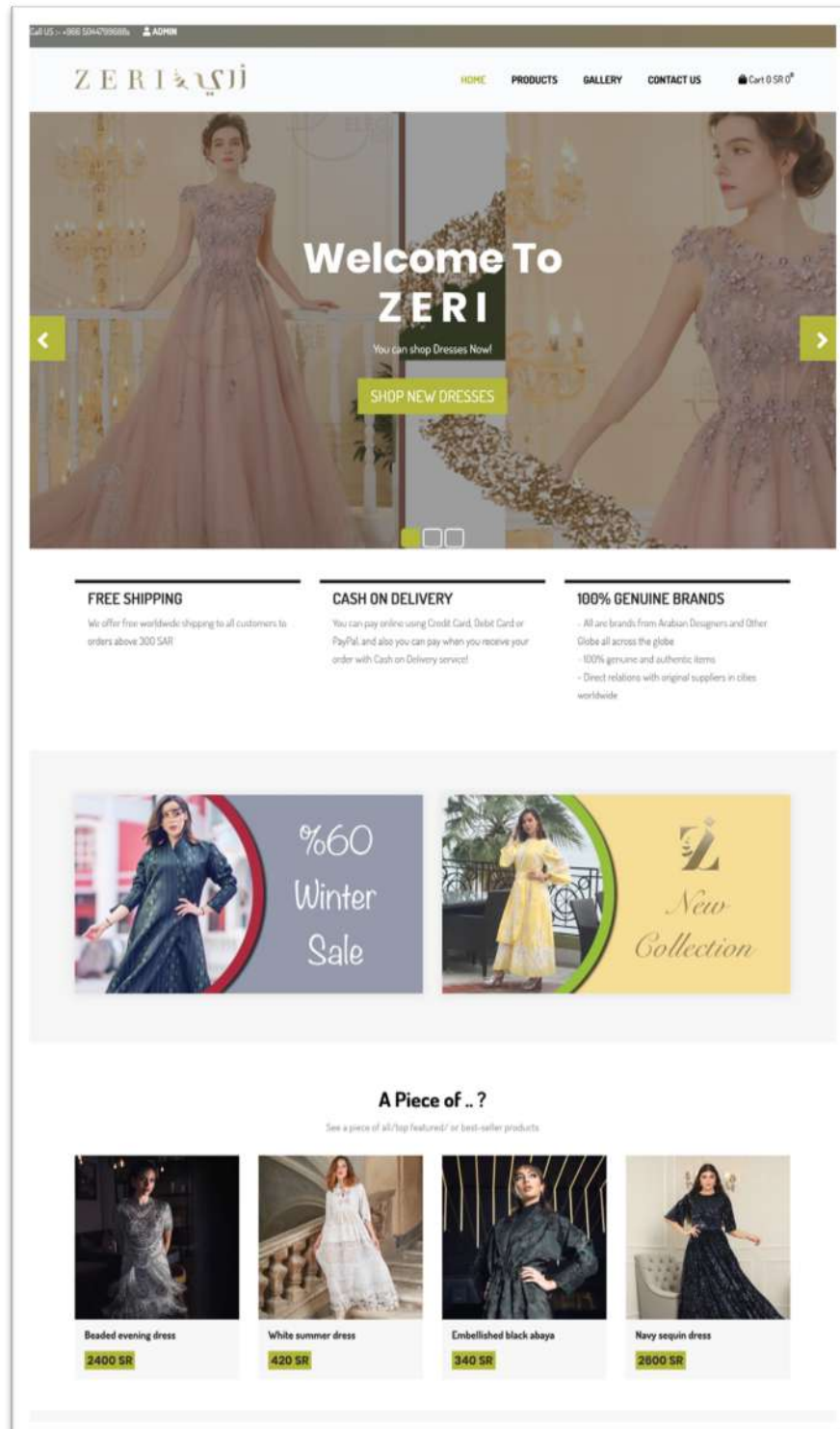


Figure 2 Home Page



- **Contact-us:**

ZERI HOME PRODUCTS GALLERY CONTACT US Cart 0 SR 0

Contact Us

Home / Contact Us

Send us your message

Your Name

Your Email

Subject

Your Message

Send Message

Map

Address: KSA, As Sharqiah, Dammam, Majediyah

Phone: +966 5044799688

Email: info@zeri.sa

See Some of our Products in Our Instagram Page:

Business Time
Everyday 4pm to 10.00pm

Newsletter
Email Address* **Submit**

Social Media
Contact us on social media
Facebook Twitter YouTube Instagram Pinterest

ABOUT ZERI
More than a place to shop, both partners hold the concept of integrating fashion, design, beauty, art, and more. It includes a variety of elements from local, Gulf and Arab trends from different designs in amazing settings, as these designs are updated frequently and with new elements with great care.

BOOK A DESIGNER ZONE!
In order to book a zone as a designer, you can contact us by:
- phone: +966 5044799688
- email: info@zeri.sa
- or you are welcome to discuss that in the boutique!

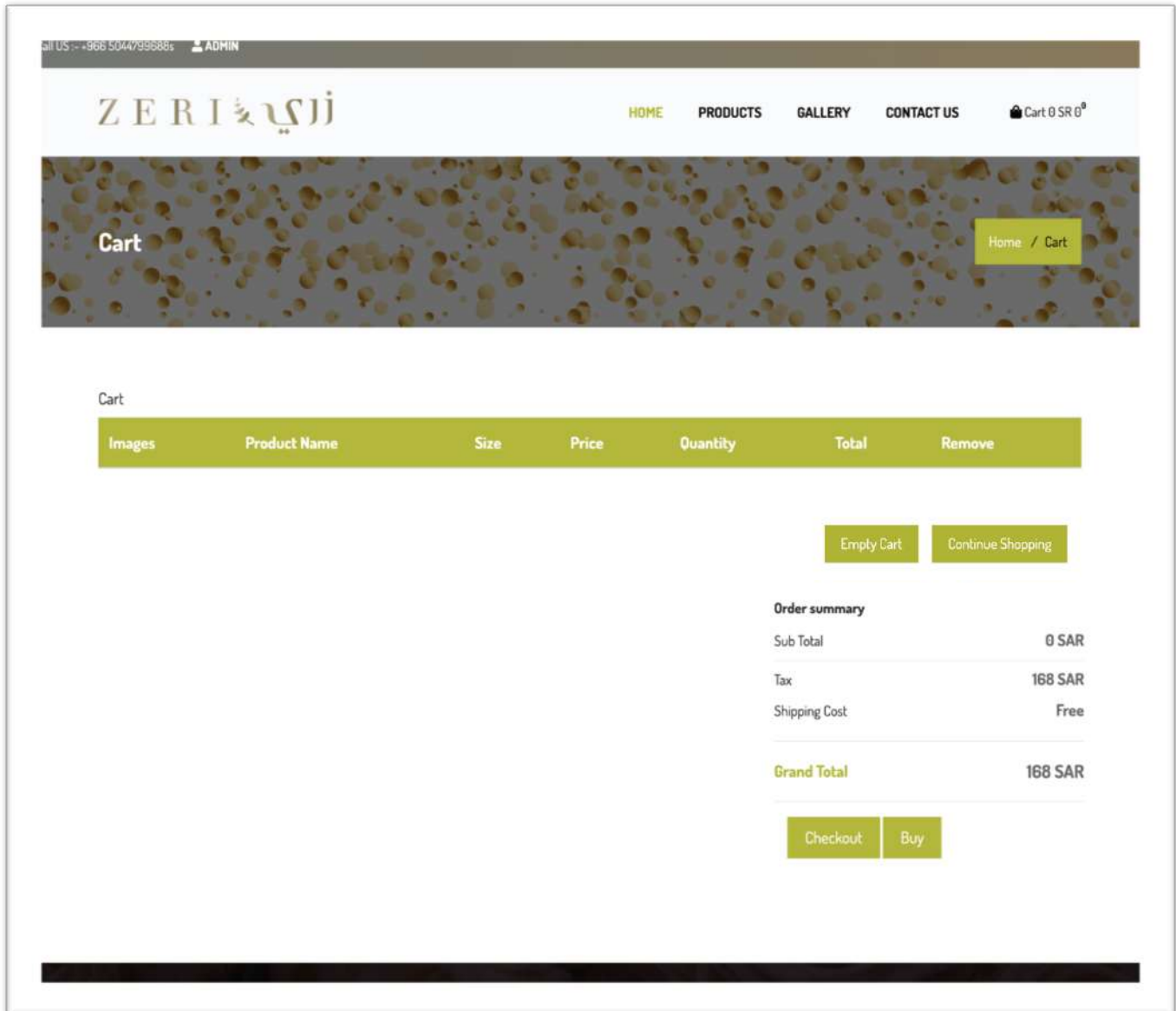
CONTACT US
Address: KSA, As Sharqiah, Dammam, Majediyah
Phone: +966 5044799688
Email: info@zeri.sa

All Rights Reserved. © 2020 Zeri Ksa

Contact Us3 Figure



- **Cart:**



Cart4 Figure



- Shop(Products):

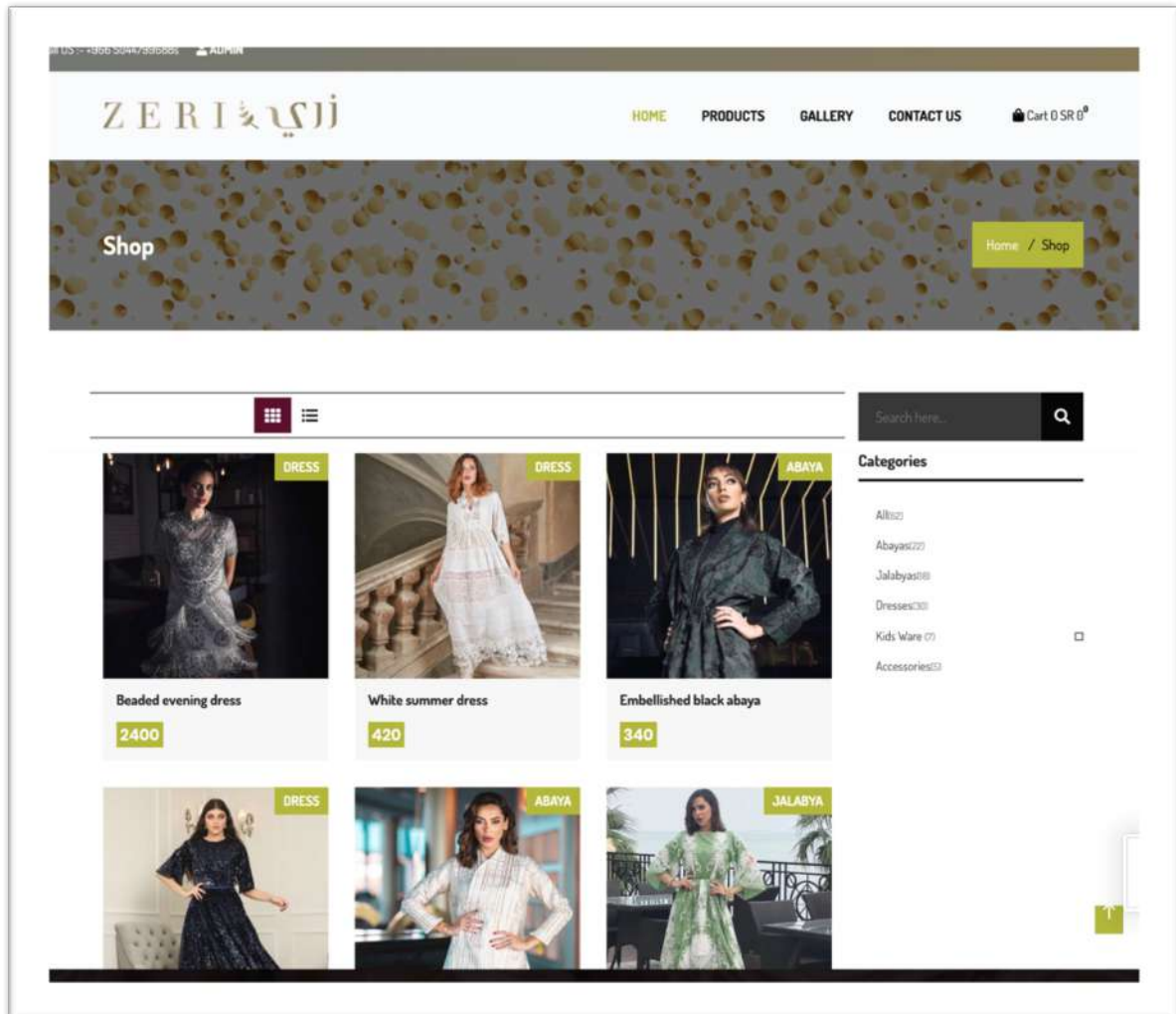
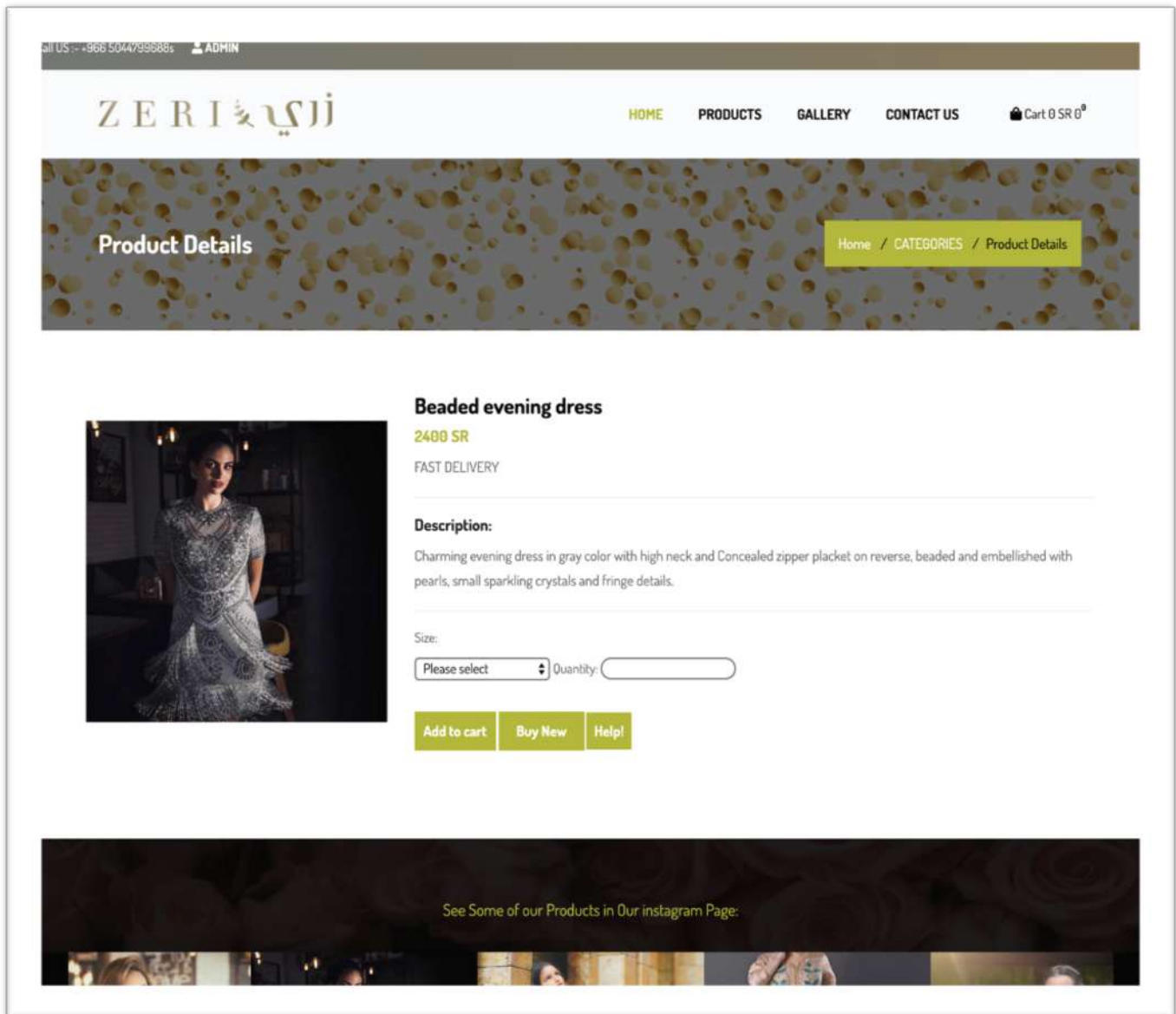


Figure 5 Shop(Products)



- **Product detail:**



Product Details6 Figure



- Admin Login:

ADMIN

ZERI

HOME PRODUCTS GALLERY CONTACT US Cart 0 SR 0

Sign in

Home / Sign In

LOGIN

admin

☒ Remember me Forgot Password?

Log in

ZERI

ZERI

All Rights Reserved © 2020 Zeri Ken

Figure 7 Admin Login



- **Add Product:**

ADMIN

ZERI زيري

HOME PRODUCTS SETTINGS LOGOUT

Add Product

Product:

Product Name

Product ID

Product Image No file chosen

Product Quantity

Product Price

Product Size

Product Category

Product Description

All Rights Reserved © 2020 Zerix

Add Product8 Figure



- Search for product to Modify or Delete:

The screenshot displays the ZERI KSA web application interface. At the top, there is a navigation bar with the logo 'ZERI كسا' on the left and links for 'HOME', 'PRODUCTS', 'SETTINGS', and a 'LOGOUT' button on the right. Below the navigation bar is a large banner with a textured background and the text 'Search Product'. The main content area features a large magnifying glass icon on the left. To the right of the icon is a search form with the label 'Search:' and a text input field containing the placeholder 'Enter a product id to find it'. Below the input field is a green 'search' button. At the bottom of the page, there is a black footer bar with the text 'All Rights Reserved © 2020 Zen Ksa' and a small green icon on the right.

Search for Product To Update or Delete9 Figure



- **Update Product:**

01 US - +966 5044799888 ADMIN

ZERI زري

HOME PRODUCTS SETTINGS LOGOUT

Update Product

Product:

Product Name

Product Image No file chosen

Product Quantity

Product Price

Product Size

Product Category

Product Description

All Rights Reserved. © 2020 Zeri Ksa

Figure 10 Update Products

5. Fulfilled Requirements

After working hard for long days, we finally have done making the required 16 tasks. Although, we faced so many difficulties in developing such as making the past purchases using the cookie and the quantity updating in the database, after a long period of work we accomplish it properly, there are more tasks such as filtering of the products are not done because it is not required in the required tasks, and it will be for our future developing work, and the web design is prepared for that.

- **Tasks done properly:**

#	Task	Statues
1	Database design	Done Properly ✓
2	Web Design	
3	Display Products	
4	Display Product Details	
5	Add to Cart	
6	Checkout	
7	Buy	
8	Authenticate Managers	
9	Add New Product	
10	Search for a product to modify or delete	
11	Display address and location map	
12	Past purchases	
13	Forms Validation	
14	Help window	
15	Accessibility	
16	Efficiency	

Table5 Tasks that work properly

- **Tasks that have been tried but not succeed:**

None

- **Tasks that have not done at all:**

None



6. Testing Cases:

- **Display Products and Product Details:**
 - **Selecting the Item by Clicking on its view icon:**

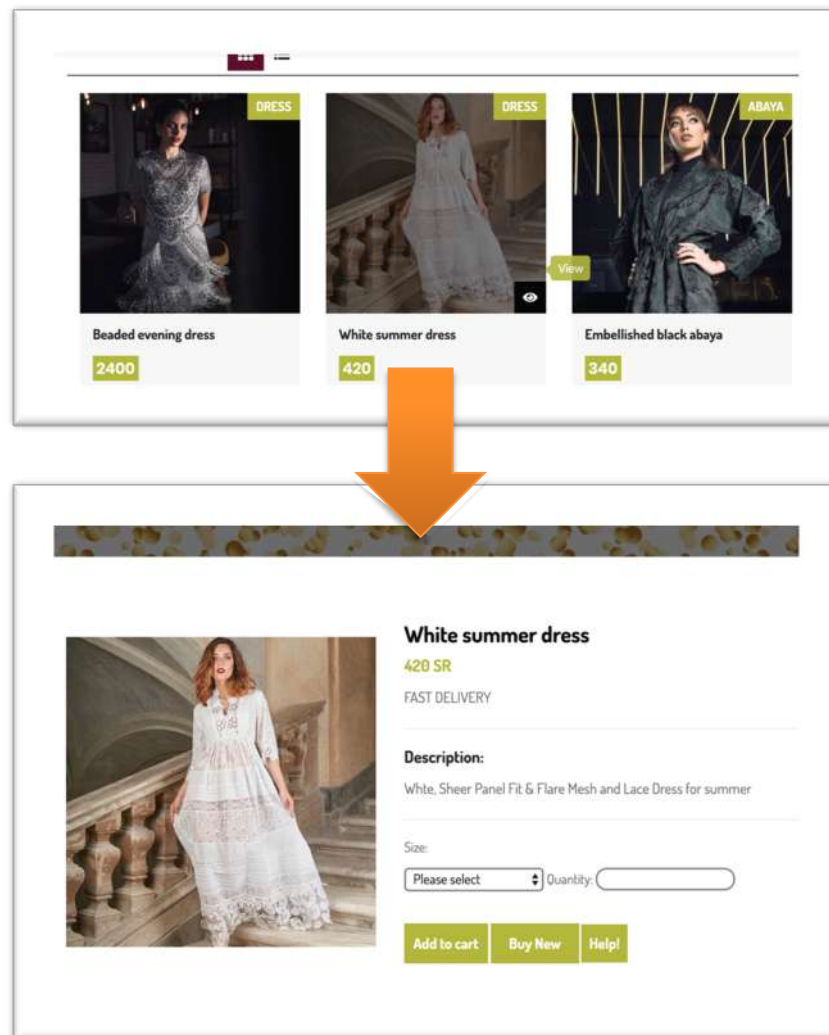


Figure 11 Selecting the item by its view icon



- **Add to Cart button:**

- 1) **If miss to select the size:**

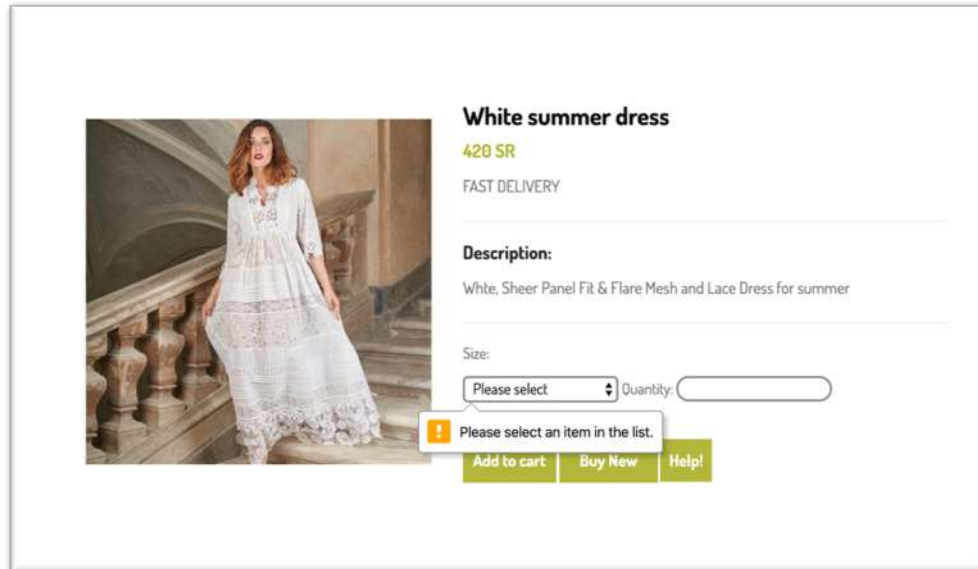


Figure 12 Add to cart - miss the Size

- 2) **If miss to select the quantity:**

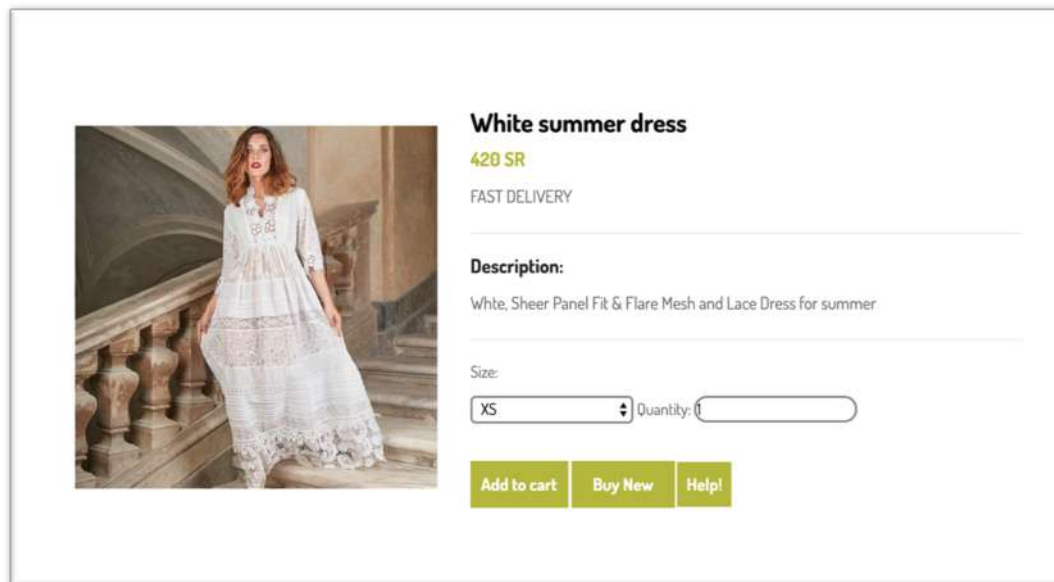


Figure 13 Add to cart - miss the quantity



3) If select the size and quantity and the selected quantity is available on the DB:

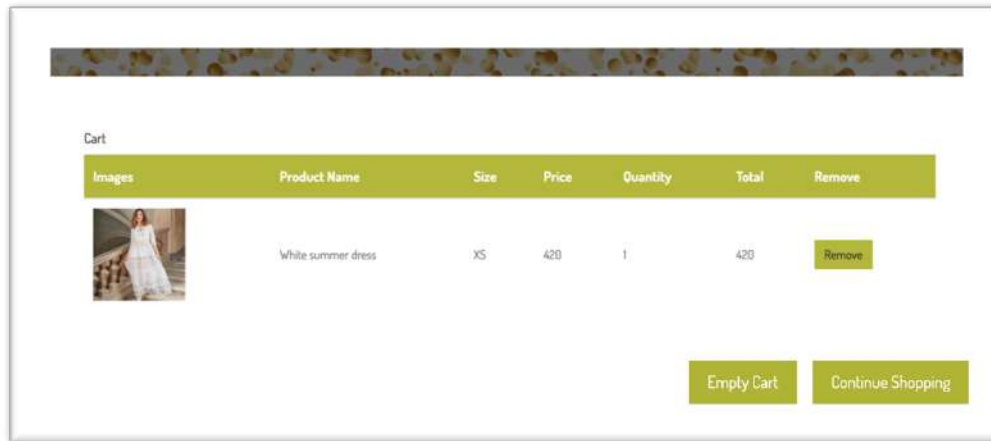


Figure 14 Add to cart - Available quantity

4) Increasing and decreasing the quantity from the arrows to achieve the required quantity:

Size:

S

Quantity: 1

[Add to cart](#) [Buy New](#) [Help!](#)

Size:

S

Quantity: 10

[Add to cart](#) [Buy New](#) [Help!](#)

Size:

S

Quantity: 5

[Add to cart](#) [Buy New](#) [Help!](#)

Figure 15 Increasing, Decreasing quantity to achieve the required quantity



5) Checking the available quantity:

Product_id	Product_img	Product_Name	Product_Description	Product_price	Product_quantity	Admin_id	Product_size	Product_category
1000001	img-pro-04.jpg	Beaded evening dress	Charming evening dress in gray color with high nec...	2400	12	Admin	XS,S,M,L,XL,2XL	Dress
1000002	img-pro-01.jpg	White summer	White, Sheer Panel Fit & Flare	420	10	Admin	XS,S,M,L,XL,2XL	Dress

Size:

S Quantity: 13

! Value must be less than or equal to 12.

Add to cart Buy New Help!

Size:

S Quantity: 0

! Value must be greater than or equal to 1.

Add to cart Buy New Help!

Figure 16 Checking the available quantity



▪ Buy New button:

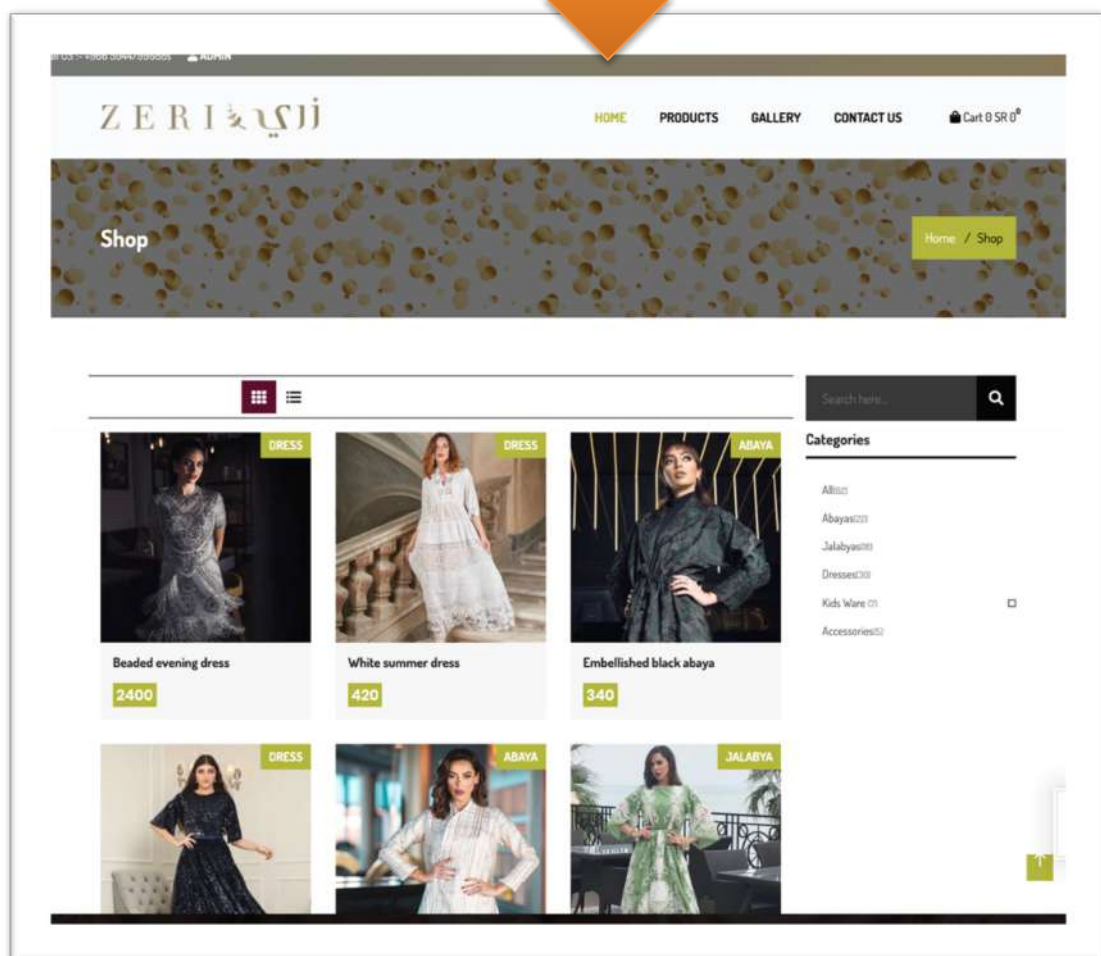
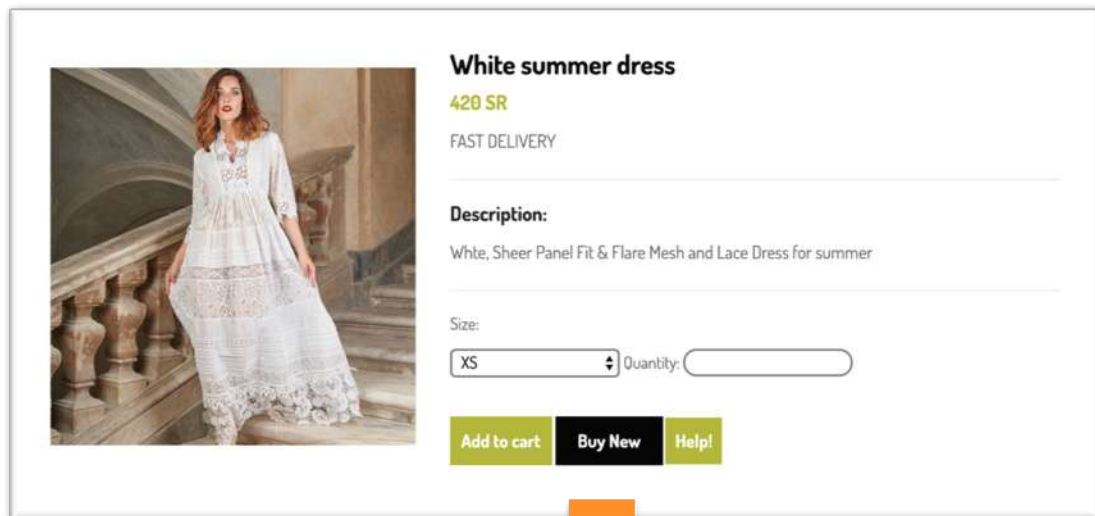



Figure 17 buy New button



▪ **Help pop-up window:**




White summer dress
420 SR
FAST DELIVERY

Description:
White, Sheer Panel Fit & Flare Mesh and Lace Dress for summer

Size:
Please select Quantity:

[Add to cart](#) [Buy New](#) [Help!](#)



WOMEN'S SIZE CHART

SIZE	X-SMALL	SMALL	MEDIUM	LARGE
BUST	32	33	34	35
WAIST	24	25	26	27
HIPS	34	35	36	37

HOW TO MEASURE
BUST: Measure around the fullest part of your chest.
WAIST: Measure around the narrowest part of your waistline.
HIPS: Measure around the fullest part of your hip & rear while standing with your feet together.

Sweet Woman!
You can Choose your size depending on this size chart

[OK](#)

Figure 18 Help pop-up



- **Cart and checkout:**
 - **Total Price for each quantity (Price*quantity):**




Images	Product Name	Size	Price	Quantity	Total	Remove
	White summer dress	XS	420	1	420	Remove
	Embellished black abaya	M	340	3	1020	Remove
	Beaded evening dress	XS	2400	4	9600	Remove

Figure 19 Total Price for each quantity

- **Total price for all the products in the card + tax:**

Empty Cart	Continue Shopping
Order summary	
Sub Total	11040 SAR
Tax	168 SAR
Shipping Cost	Free
Grand Total	11208 SAR
Checkout	Buy

Figure 20 Total Price for the whole cart + tax



▪ **Remove product from the cart:**

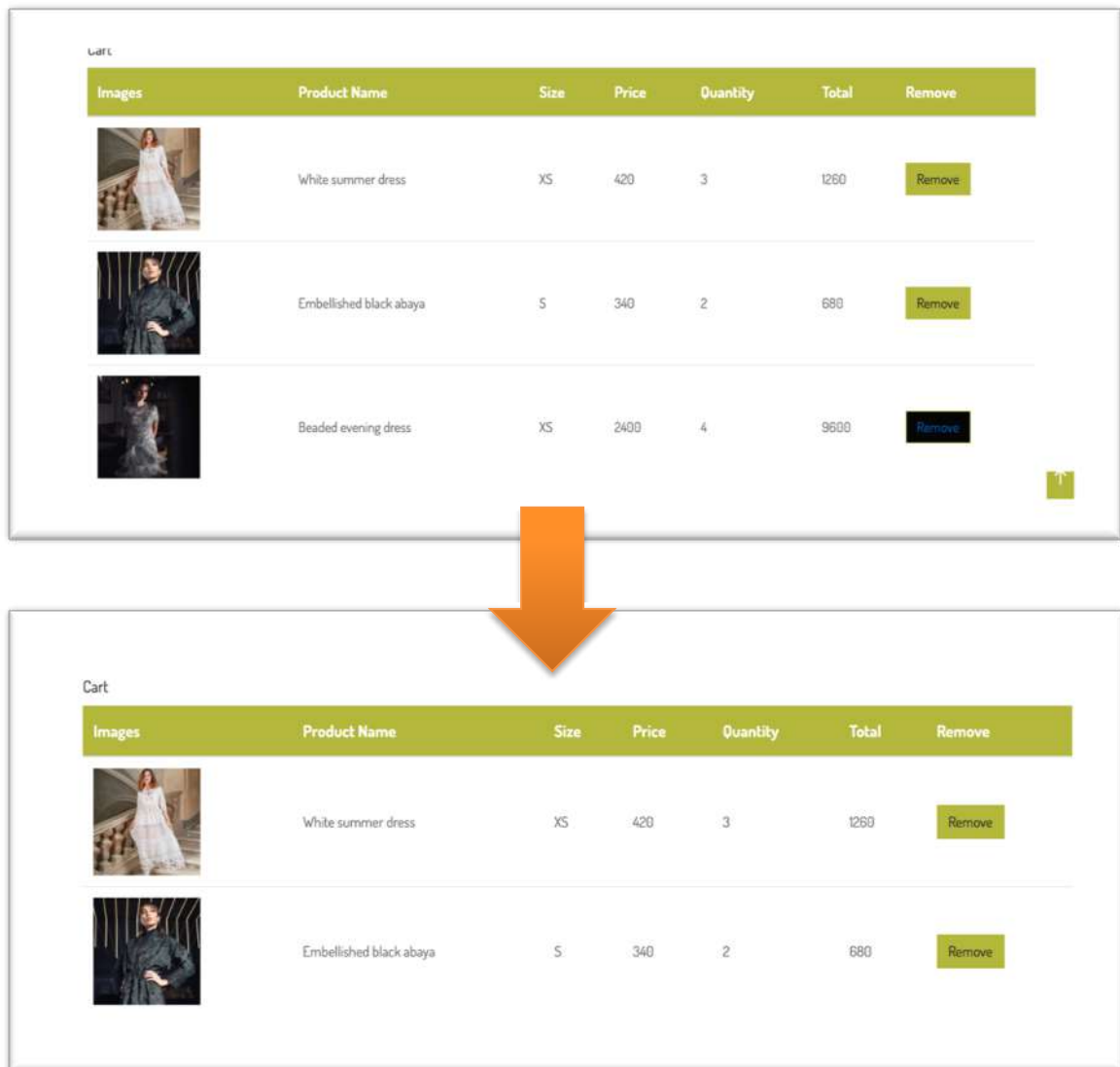


Figure 21 Remove Product from cart

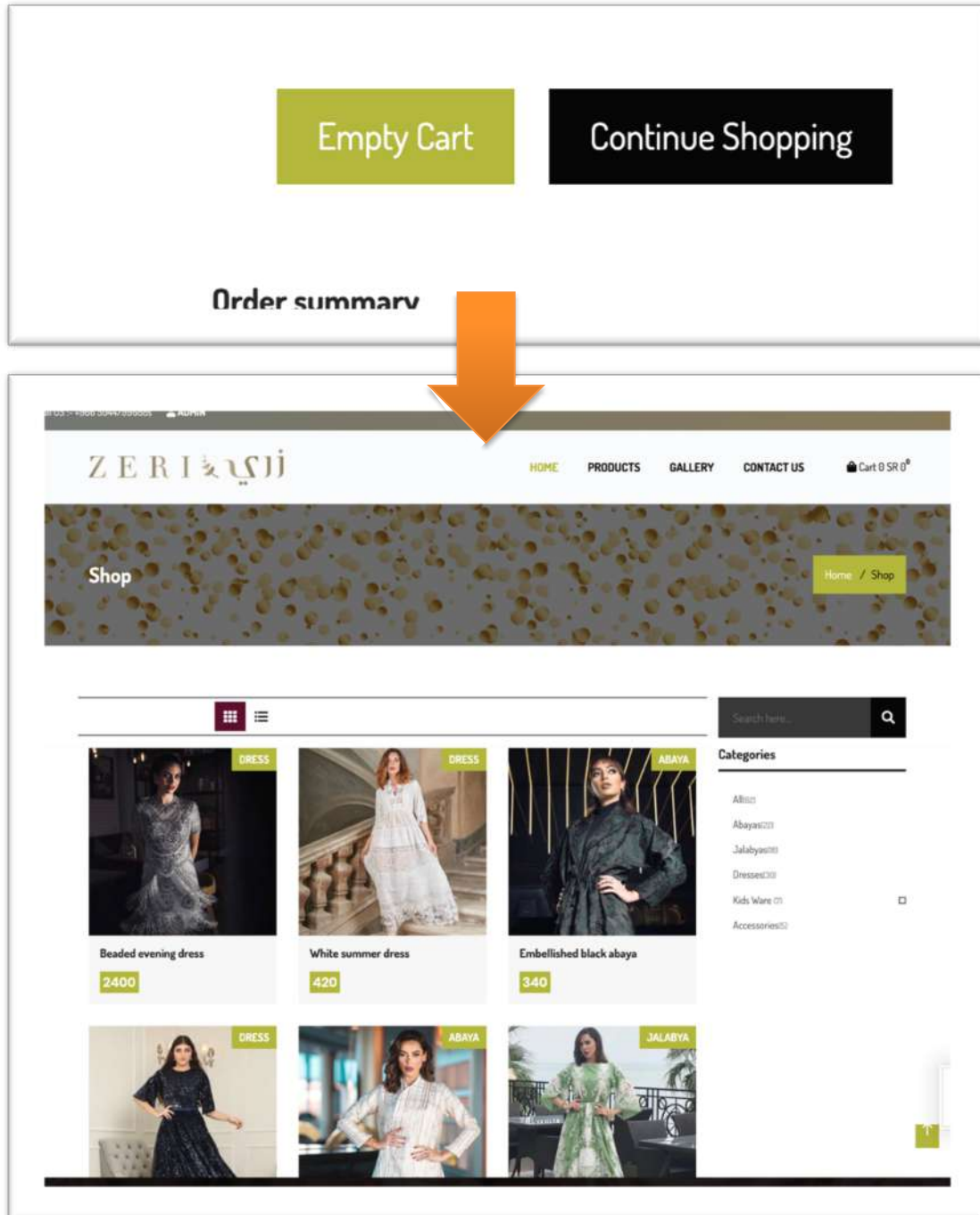
▪ **Empty Cart:**



Figure 22 Empty Cart



▪ Continue Shopping:






Buy:

Product_id	Product_img	Product_Name	Product_Description	Product_price	Product_quantity	Admin_id	Product_size	Product_category
100001	img-pro-04.jpg	Beaded evening dress	Charming evening dress in gray color with high neck	2400	12	Admin	XS,S,M,L,XL,2XL	Dress

ZERI زيري

PRODUCTS GALLERY CONTACT US Cart 1 SR 4800

 Beaded evening dress XS 2400 2 4800 [Remove](#)

[Empty Cart](#) [Continue Shopping](#)

Order summary

Sub Total	4800 SAR
Tax	168 SAR
Shipping Cost	Free
Grand Total	4968 SAR

[Checkout](#) [Buy](#)

Images **Product Name** **Size** **Price** **Quantity** **Total** **Remove**

[Empty Cart](#) [Continue Shopping](#)

Order summary

Sub Total	0 SAR
Tax	168 SAR
Shipping Cost	Free
Grand Total	168 SAR

[Checkout](#) [Buy](#)

Product_id	Product_img	Product_Name	Product_Description	Product_price	Product_quantity	Admin_id	Product_size	Product_category
100001	img-pro-04.jpg	Beaded evening dress	Charming evening dress in gray color with high neck	2400	10	Admin	XS,S,M,L,XL,2XL	Dress

Figure23 Buy



■ Checkout:



Figure24 checkout



- **Past Purchases (it is filled after the buy or checkout is finished):**



Past Purchased Items					
Images	Product Name	Size	Price	Quantity	Total
	Beaded evening dress	XS	2400	1	2400
	White summer dress	M	420	2	840

Figure25 Past Purchased Items

- **Initializing the number of items and the total price after adding products in the cart:**



Figure 26 Initializing the cart total price and number of products

- **Re-initializing the number of items and the total price after the cart being empty:**



Figure 27 Re-initializing the number of items and total price when the cart is emptied



- **Admin:**
 - **Authorization for the admin:**

Admin_id	Admin_Password
Abeer_Salem	AA123456
Admin	123123
Aisha Almuniee	AA123456
Bashayer_Abdullah	BB123456
Doaa_Abdullah	DD123456
Elaf_Mohammed	EE123456
Fedaa_Mohammad	FF123456
Nalaa_Wadeea	WW123456
Zahraa_Maher	77123456

Figure28 The admin table of database

To go to the admin-side:



Figure 29 How to go to admin-side

1) If the password is incorrect:

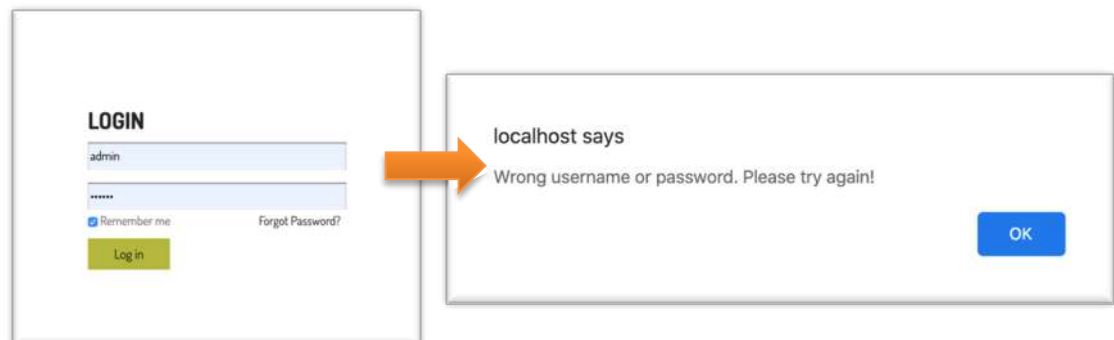


Figure 30 password incorrect



2) If the username is incorrect:



Figure 31 Username incorrect

3) If both incorrect:

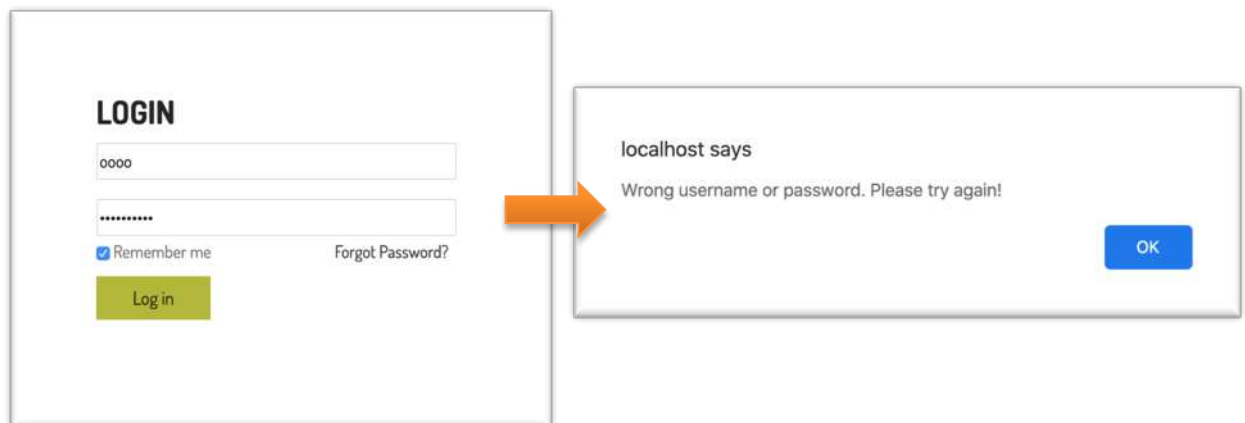


Figure 32 Both username and password incorrect



4) If the username and password both are correct:

The image shows a two-step process. The first step is a 'LOGIN' form where the username 'admin' and a password (represented by six dots) are entered. There is a 'Remember me' checkbox and a 'Forgot Password?' link. A green 'Log in' button is at the bottom. An orange arrow points from this form to the second step. The second step is a web application interface for 'ZERI' (زري). The header includes 'HOME', 'PRODUCTS SETTINGS', and a 'LOGOUT' button. Below the header is a banner with the text 'Add Product'. The main content area features a large image placeholder with a red mountain and yellow sun icon, and a red arrow pointing up. To the right of the image is a 'Product:' form with fields for 'Product Name', 'Product ID', 'Product Image' (with a 'Choose File' button), 'Product Quantity', 'Product Price' (set to '00.00 SR'), 'Product Size' (set to 'M'), 'Product Category' (set to 'Abayas'), and 'Product Description'. A green 'Add' button is at the bottom of the form.

Figure 33 Correct username and password



■ Add Product:

1) If the data does not filled properly:

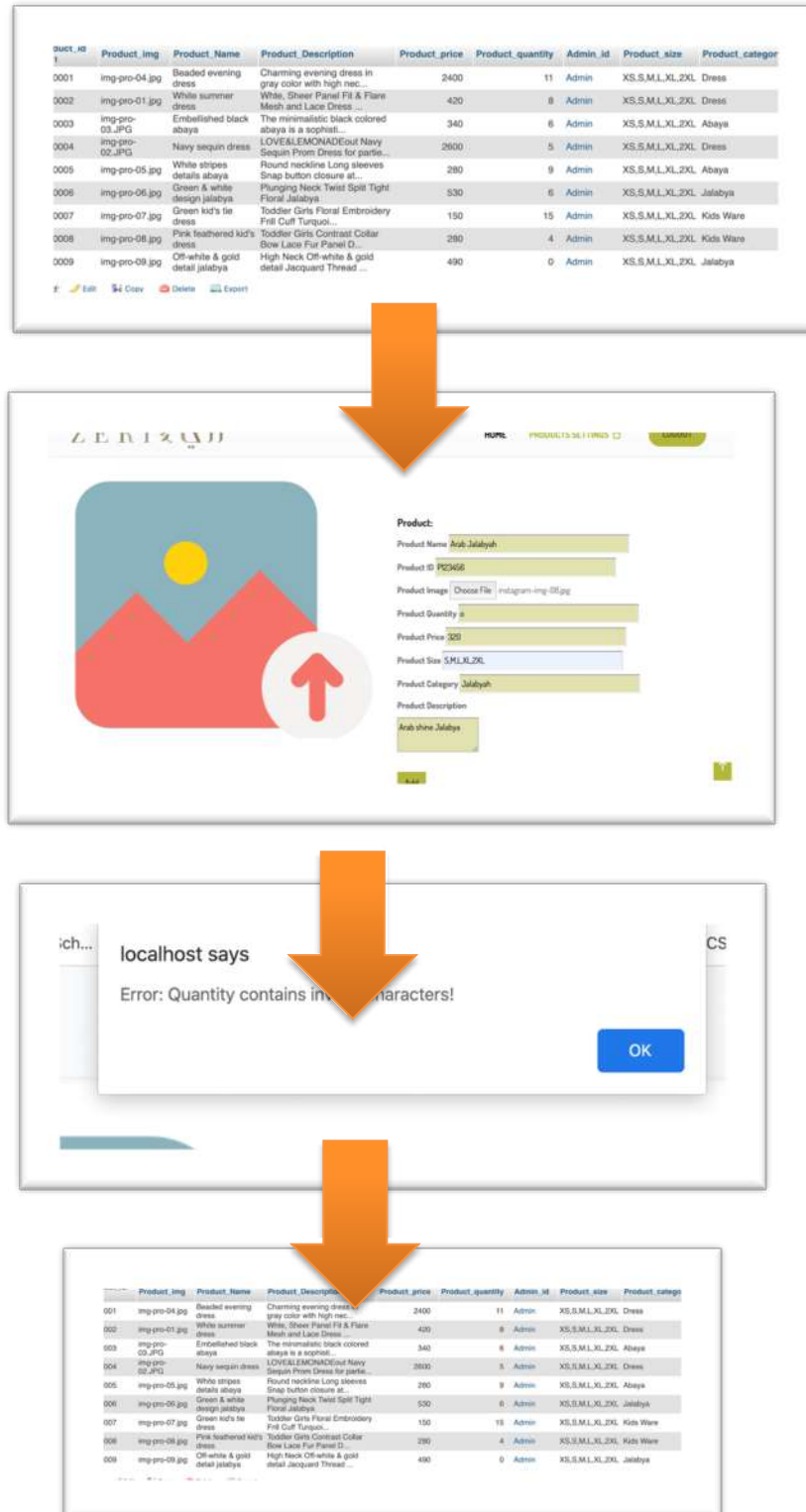


Figure 34 Add Product - wrong data



2) If the data filled properly:

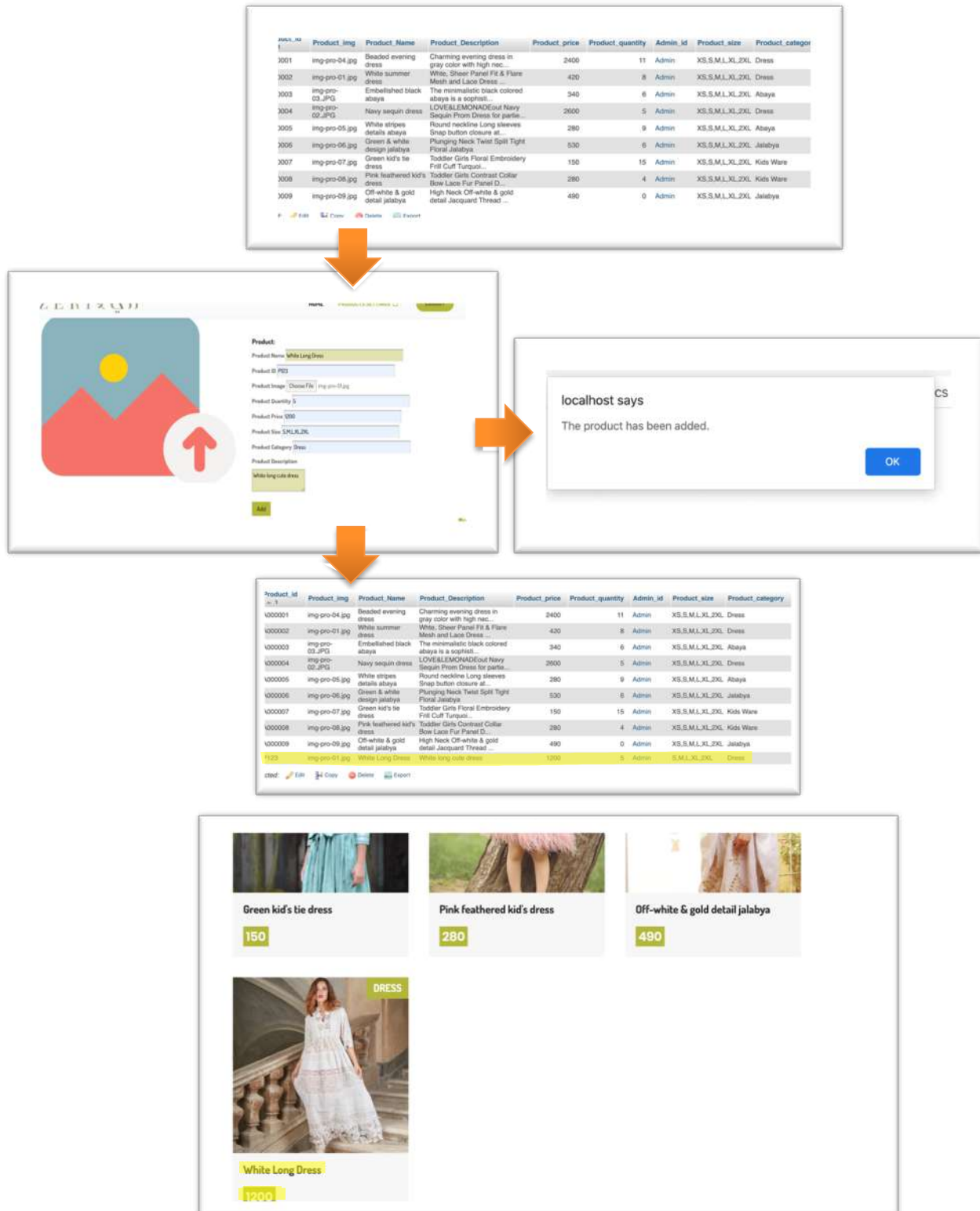


Figure 36 Add data - when the product added to the product page



- Search for product to update or delete:

- 3) If id does not filled properly:

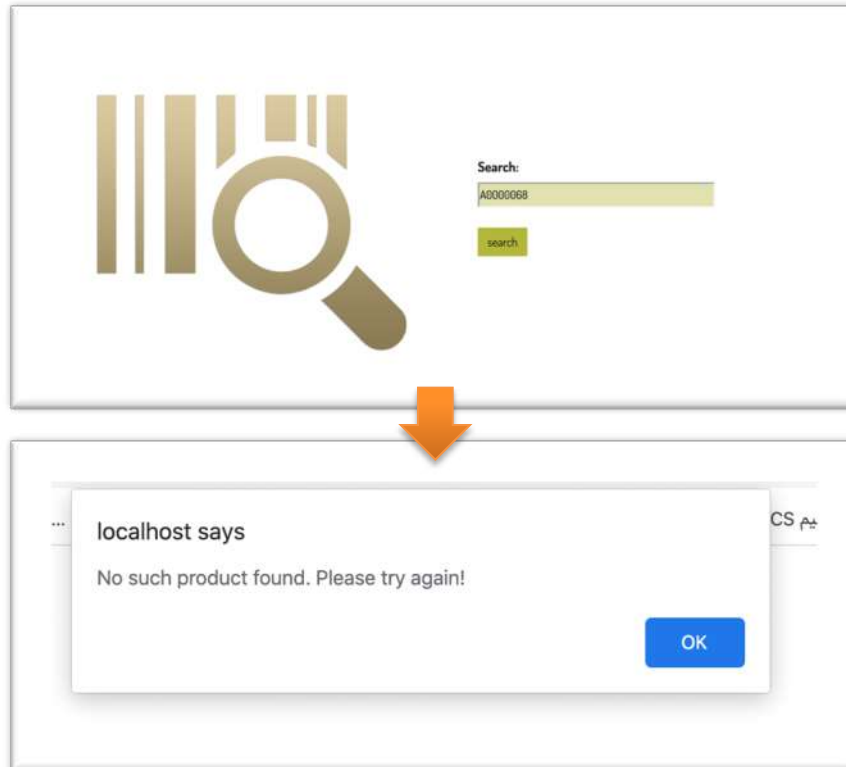


Figure 37 incorrect product id



4) If id filled properly:

Search:

P123

search

Search:

Enter a product id to find it:

search

Do you want to Update or Delete this product?



a) Case of Choosing Update Product:

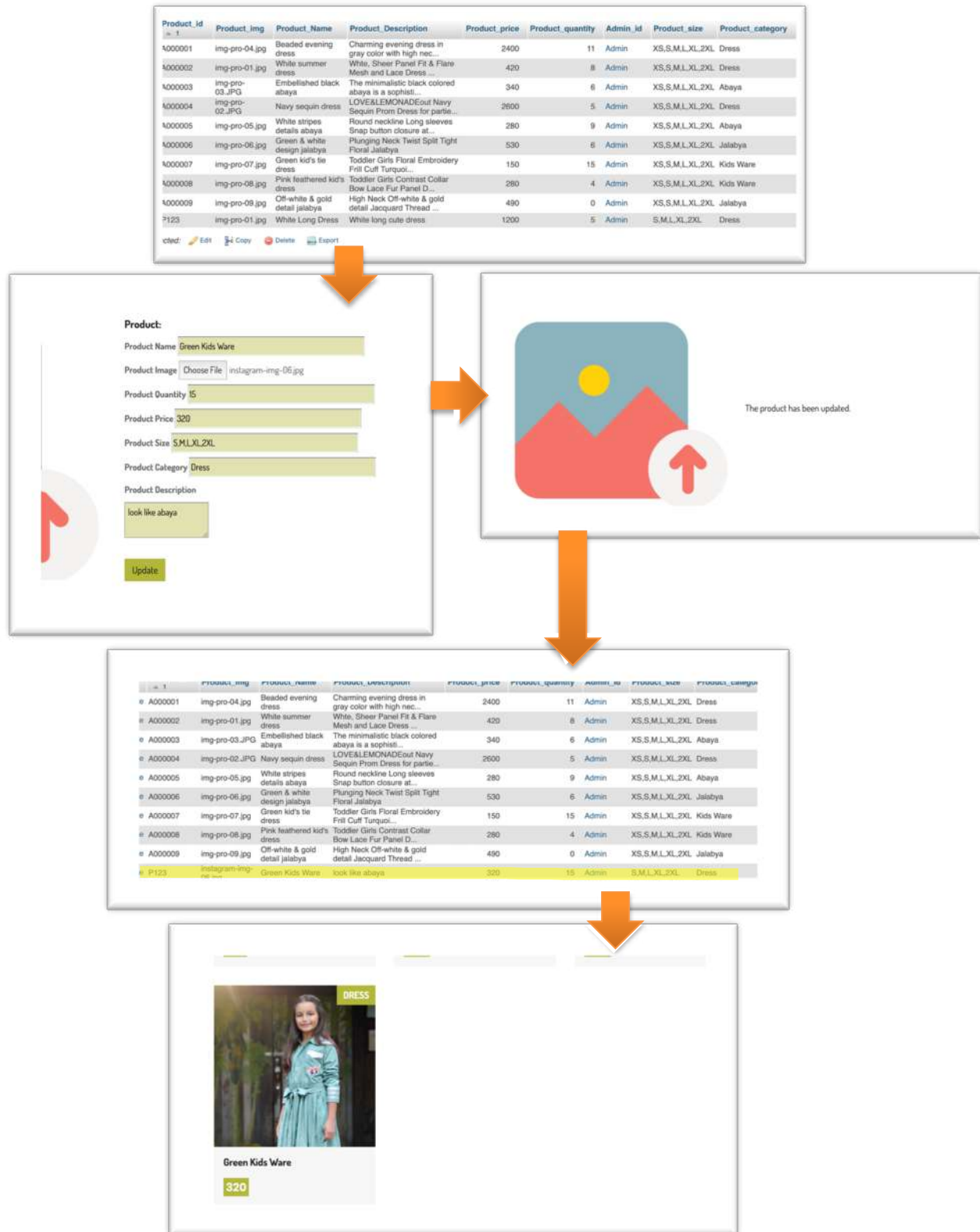


Figure 38 Update product (Database reflect and product page)



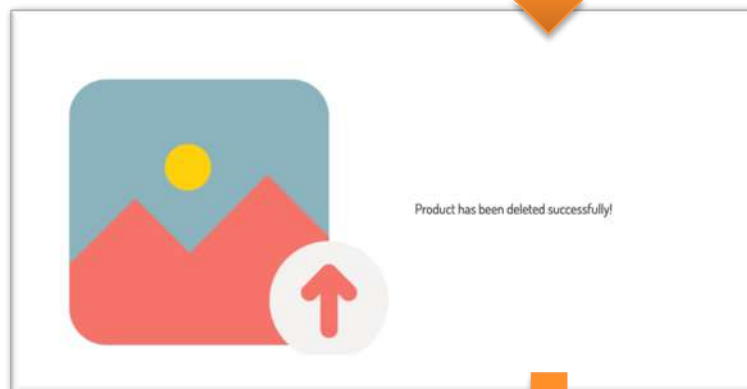
b) Case of Choosing Delete Product:

	PRODUCT_IMG	PRODUCT_NAME	PRODUCT_DESCRIPTION	PRODUCT_PRICE	PRODUCT_QUANTITY	ADMIN_ID	PRODUCT_SIZE	PRODUCT_CATEGORY
e A000001	img-pro-04.jpg	Beaded evening dress	Charming evening dress in gray color with high nec...	2400	11	Admin	XS,S,M,L,XL,2XL	Dress
e A000002	img-pro-01.jpg	White summer dress	White, Sheer Panel Fit & Flare Mesh and Lace Dress ...	420	8	Admin	XS,S,M,L,XL,2XL	Dress
e A000003	img-pro-03.JPG	Embellished black abaya	The minimalist black colored abaya is a sophisti...	340	6	Admin	XS,S,M,L,XL,2XL	Abaya
e A000004	img-pro-02.JPG	Navy sequin dress	LOVE&LEMONADEout Navy Sequin Prom Dress for partie...	2600	5	Admin	XS,S,M,L,XL,2XL	Dress
e A000005	img-pro-05.jpg	White stripes details abaya	Round neckline Long sleeves Snap button closure at...	280	9	Admin	XS,S,M,L,XL,2XL	Abaya
e A000006	img-pro-06.jpg	Green & white design jalabya	Plunging Neck Twist Split Tight Floral Jalabya	530	6	Admin	XS,S,M,L,XL,2XL	Jalabya
e A000007	img-pro-07.jpg	Green kid's tie dress	Toddler Girls Floral Embroidery Friti Cuff Turquo...	150	15	Admin	XS,S,M,L,XL,2XL	Kids Ware
e A000008	img-pro-08.jpg	Pink feathered kid's dress	Toddler Girls Contrast Collar Bow Lace Fur Panel D...	280	4	Admin	XS,S,M,L,XL,2XL	Kids Ware
e A000009	img-pro-09.jpg	Off-white & gold detail jalabya	High Neck Off-white & gold detail Jacquard Thread ...	490	0	Admin	XS,S,M,L,XL,2XL	Jalabya
e P123	instagram-img...	Green Kids Ware	look like abaya	320	15	Admin	S,M,L,XL,2XL	Dress

Search:

Search:

Do you want to Update or Delete this product?



	PRODUCT_IMG	PRODUCT_NAME	PRODUCT_DESCRIPTION	PRODUCT_PRICE	PRODUCT_QUANTITY	ADMIN_ID	PRODUCT_SIZE	PRODUCT_CATEGORY
Delete A000001	img-pro-04.jpg	Beaded evening dress	Charming evening dress in gray color with high nec...	2400	11	Admin	XS,S,M,L,XL,2XL	Dress
Delete A000002	img-pro-01.jpg	White summer dress	White, Sheer Panel Fit & Flare Mesh and Lace Dress ...	420	8	Admin	XS,S,M,L,XL,2XL	Dress
Delete A000003	img-pro-03.JPG	Embellished black abaya	The minimalist black colored abaya is a sophisti...	340	6	Admin	XS,S,M,L,XL,2XL	Abaya
Delete A000004	img-pro-02.JPG	Navy sequin dress	LOVE&LEMONADEout Navy Sequin Prom Dress for partie...	2600	5	Admin	XS,S,M,L,XL,2XL	Dress
Delete A000005	img-pro-05.jpg	White stripes details abaya	Round neckline Long sleeves Snap button closure at...	280	9	Admin	XS,S,M,L,XL,2XL	Abaya
Delete A000006	img-pro-06.jpg	Green & white design jalabya	Plunging Neck Twist Split Tight Floral Jalabya	530	6	Admin	XS,S,M,L,XL,2XL	Jalabya
Delete A000007	img-pro-07.jpg	Green kid's tie dress	Toddler Girls Floral Embroidery Friti Cuff Turquo...	150	15	Admin	XS,S,M,L,XL,2XL	Kids Ware
Delete A000008	img-pro-08.jpg	Pink feathered kid's dress	Toddler Girls Contrast Collar Bow Lace Fur Panel D...	280	4	Admin	XS,S,M,L,XL,2XL	Kids Ware
Delete A000009	img-pro-09.jpg	Off-white & gold detail jalabya	High Neck Off-white & gold detail Jacquard Thread ...	490	0	Admin	XS,S,M,L,XL,2XL	Jalabya

Figure39 Delete a product



▪ Admin Logout:

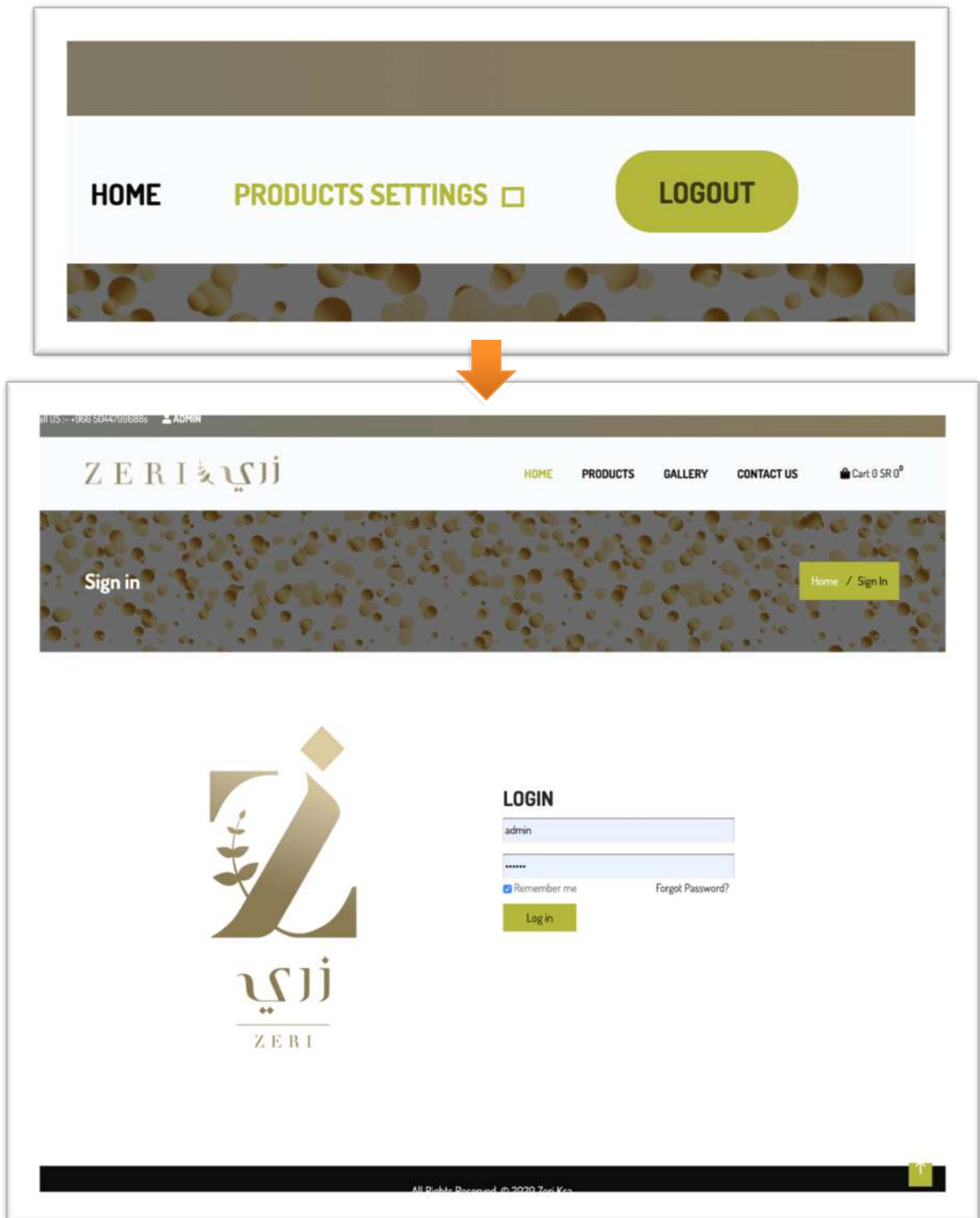


Figure 40 Admin Logout