

---

**REGALIA**  
**LOW LEVEL DESIGN SPECIFICATION DOCUMENT**  
**ECOMMERCE WEBSITE WITH AI BASED PRODUCTS**

---

**DOCUMENT VERSION 1.0**

**30-09-2022**

## AUTHORS

Name	Role	Department
		Front end

## DOCUMENT HISTORY

Date	Version	Document Revision Description	Document Author
30-09-2022	1.0	Initial Documentation for Low Level Design	

## 1. Overview

High level overview of the website pages(**THESE ARE NOT IN ORDER OF FLOW..**  
**the new pages that we have to build are placed first and then the version0 pages**)

Page Name	Description
1. Default_Page	This is home page for public access
2. Place_Bid_Page	After a user logs into Bidding section this is the Page that should show
3. My_Placed_Bids_Paged	When a user clicks on the "My BIDS". This page should show details of the Bids a user has participated in. It is kind of a dashboard.
4. Bidding_Category_Page	This is the Page that shows lists of Bids available in a particular category
5. Retail_Category_Page	This is the page that comes after user logs in.
6. Product_Details_Page	Details about Product
7. User_Cart_Page	Cart Details
8. Payment_Page	Shipping address details and payment option page
9. B2B_Default_Page	This page is launched from the first page after clicking on "Sell with Us" link
10.Seller_Registration_Page	Allows user to register as a Seller
11.Seller_Inventory_Page	Lists inventory items
12.Seller_Category_Page	Lists category of items available(Admin will only have access to add category)
13.Seller_Add_Update_Delete_Category_Page	Allows Admin to Update and Delete Category
14.Admin_Add_Category_Page	Allows Admin to create Category
15. Seller_Product_Page	Allows Seller to See All Products
16. Seller_Add_Product_Page	Allows Seller to add products
17. Seller_Update_Delete_Product_Page	Allows to update/delete
18. Client_Page	Lists all the users and a flag showing are they B2B or not

19. Login_Page	Allows user to log into website(Customers who are from bid section and Retail Customers)
20. Registration_Page	Enables registration(Customers who are from bid section and Retail Customers)

The First Landing Page will also consume the services provided by the version0(GoCart) project. Services that are taken from version 0 are:

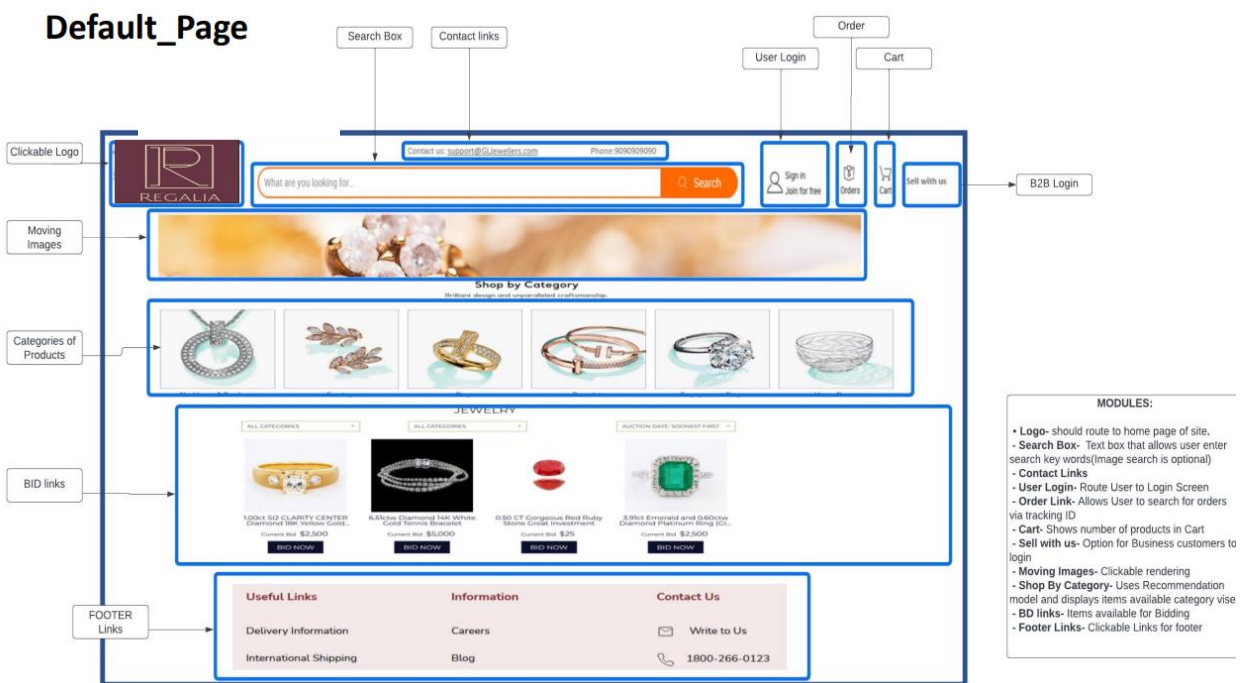
- REQ1- Search Bar
- REQ2- Recommendations
- REQ3- SignIn functionality
- REQ4- Payment Page
- REQ5- Admin/Seller Interface
- REQ6- RetailCustomer Interface

## 2. Default\_Page

### (a) Use Case

UC-1	Default_Page
Primary Actor(s)	Retail Customers, Business Customers
Trigger	Website url should open the Home Page
Main Success Scenario	<ol style="list-style-type: none"> <li>1. User enters url on the browser</li> <li>2. User is able to see the page successfully</li> </ol>
Priority	HIGH
Special Requirements	Recommendation and Bidding Engine should pull details when page loads
Open Questions	<p>Performance issues due to large data?</p> <p>How fast Model will return data?</p>

### (b) Functional Requirements(Low level Details)



Spec ID	Specification Description	Business Rules/ Data Dependency
Spec1.1	Logo	The Logo of the Page should be clickable. Whenever clicked user should be routed to the Default_Page
Spec1.2	Search Bar	Should allow customer to Search on products
Spec1.3	Contact Links	Should allow Users to contact support for the Website through call and email means

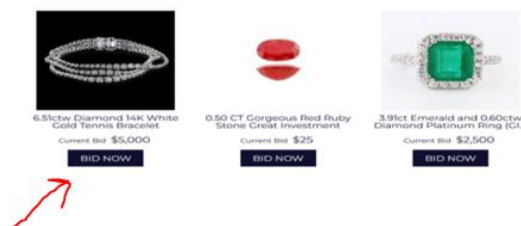
Spec1.4	Sign In	Should Allow user to Login to Website
Spec1.5	Orders	Option for users to see their orders
Spec1.6	Cart	Option for Users to see their items in Cart
Spec1.7	B2B Login	Login functionality for Business Partners
Spec1.8	Moving Images	Stream of Products that are changing at fixed interval. Should allow customers to click and then give an option to buy.
Spec1.9	ShopBy Category	Allow end customers to select a category and then display items in the category. (Can be replaced with Recommendation Engine to show picture of items recommended in a category)
Spec1.10	Bid Option	Allow user to bid
	Option1- Trending Bids	Filter for Bids that is trending
	Option2- Filter by time	Filter for Bids that were placed recently OR oldest
	Option3- Filter by ending Bids	Filter for Bids that are going to end soon
	Should Timer	Functionality should show countdown for the bids
Spec1.11	Footer Links	Include the footer details that a normal Website should have.

### 3. Place\_BID\_Page

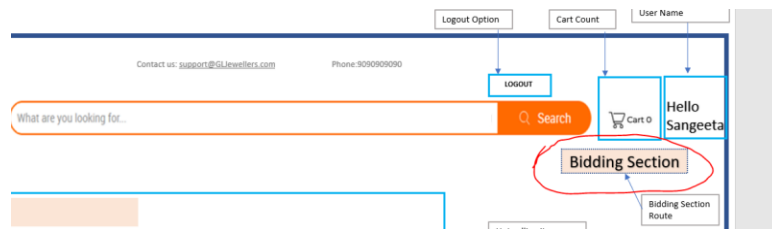
#### (a) Use Case

After a user logs into Bidding section he/she is routed to this Page where details for bids are listed. There are 2 ways to getting to this page:

1)Through BID NOW option from the Home Page->Login/Register



2)Customer will see option on his home screen for entering into Bidding Section



<b>UC-2</b>	<b>Place_BID_Page</b>
<b>Primary Actor(s)</b>	<i>Customers who created Bidding account</i>
<b>Trigger</b>	<i>After User Logs Into account</i>
<b>Pre-conditions</b>	<i>Valid Authenticated User interested in Bidding</i>  <i>Retail Customers who comes from their Home Page</i>
<b>Main Success Scenario</b>	<ol style="list-style-type: none"> <li><i>1. User should see the Most Bid on the Screen(trending)</i></li> <li><i>2. Bidding Engine Should Display the details pertaining the item</i></li> <li><i>3. User should be able to check for more Bids available depending on the Category they select</i></li> <li><i>4. Ability to View the Bids placed</i></li> </ol>
<b>Priority</b>	<i>HIGH</i>
<b>Special Requirements</b>	<i>Biding Engine Should display-Minimum Bid Amount, Timer, Number of Bids</i>
<b>Open Questions</b>	<i>Should we display the recommended Bids on this Page like Default_Page?</i>

## (b) Functional Requirements(Low level Details)

Place\_BID\_Page

Hot BID

Bidding Engine

Dashboard for number of Bids Placed

More Bidding Categories

MODULES

- Bidding Item Detail- Display details of the most Bid Item
- Bidding Logic- Actual Logic of a BID engine(include Min, Max, Counter, BidCount).
- More Auctions- COPY List from Home Page Bids

Spec ID	Specification Description	Business Rules/ Data Dependency
<i>Spec2.1</i>	<i>Logo</i>	<i>The Logo of the Page should be clickable. Whenever clicked user should be routed to the Default_Page</i>
<i>Spec2.2</i>	<i>Search Bar</i>	<i>Should allow customer to Search on productsS</i>

Spec2.3	Contact Links	Should allow Users to contact support for the Website through call and email means
Spec2.4	Hot Bid	User should see the Most Bid on the Screen(trending/recommended)
Spec2.5	Bidding Engine	Bidding Engine Should Display the details pertaining the item. Biding Engine Should display-Minimum Bid Amount, Timer, Number of Bids.
Spec2.6	More Auctions	This will allow user to check out more Bids available in a particular category
Spec2.7	My BIDS	Should allow users to see the dashboard with Bid details he has already invested in.

## 4. My\_Placed\_Bids\_Page

### (a) Use Case

This page should show details of the Bids a user has participated in. It is kind of a dashboard



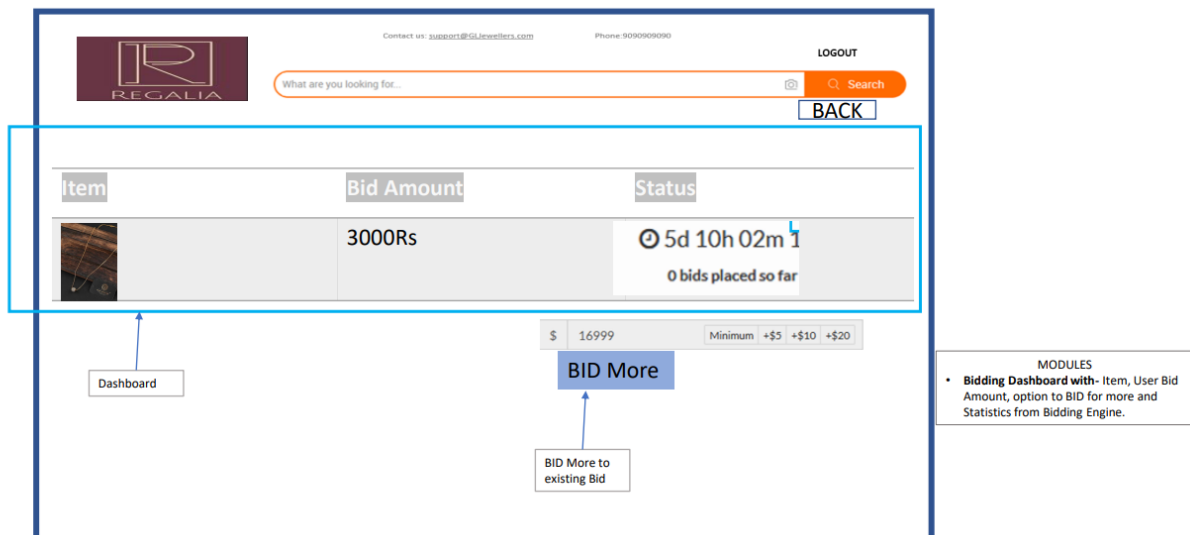
	Place_BID_Page
Primary Actor(s)	Customers who created Bidding account
Trigger	After User Logs Into account
Pre-conditions	Valid Authenticated User interested in Bidding Retail Customers who comes from their Home Page
Main Success Scenario	<ol style="list-style-type: none"> <li>Should allow user to view the dashboard.</li> <li>If no bids are placed should show nothing on the dashboard. Will display a message saying "SORRY NO BIDS TO DISAPLY"</li> </ol>
Priority	HIGH
Special Requirements	Dashboard should list details like Bid Amount, Timer, Number of Bids for each Bids user has already invested in
Open Questions	Should we allow user to add more amount to Bid?  Spec3.6 -



	<p><i>When Timer ends. User should see message if he is ready to claim the product or Not.</i></p> <p><i>If User Wins- Success Message</i></p> <p><i>If Fail- Failure Message with Business Logic(Refund some amount????)</i></p>
--	---

## (b) Functional Requirements(Low level Details)

### My\_Placed\_Bids\_Page



Spec ID	Specification Description	Business Rules/ Data Dependency
Spec3.1	Logo	<i>The Logo of the Page should be clickable. Whenever clicked user should be routed to the Default_Page</i>
Spec3.2	Search Bar	<i>Should allow customer to Search on products</i>
Spec3.3	Contact Links	<i>Should allow Users to contact support for the Website through call and email means</i>
Spec3.4	Bid list	<i>List all Bids placed by User in tabular format. Should Display the details pertaining the item Bid Amount, Timer, Number of Bids</i>
Spec3.5	BACK Button	<i>Allow user to goto back</i>
Spec3.6	Add more money to BID	<i>Maximum Bid</i> \$ 16999 Minimum +\$5 +\$10 +\$20 Place Bid
Spec3.7	Claim	<i>When Timer ends. User should see message if he is ready to claim the product or Not.</i>

		<i>If User Wins- Success Message</i> <i>If Fail- Failure Message with Business Logic (Refund some amount???)</i>
--	--	---

## 5. Bidding\_Category\_Page

### (a) Use case

	Place_BID_Page
<b>Primary Actor(s)</b>	<i>Customers who created Bidding account and interested in Categorize</i>
<b>Trigger</b>	<i>After User want to traverse through categories and click on an option</i>
<b>Pre-conditions</b>	<i>Valid Authenticated User interested in Bidding</i>  <i>Category is selected</i>
<b>Main Success Scenario</b>	<ol style="list-style-type: none"> <li>1. <i>Should see the Page successfully.</i></li> <li>2. <i>Customer should be able to Click on Place Bid after adding amount</i></li> <li>3. <i>Payment Page will be called to pay for the BID</i></li> <li>4. <i>User will be routed to Bidding_Category_Page after successful payment</i></li> </ol>
<b>Priority</b>	<i>HIGH</i>
<b>Special Requirements</b>	
<b>Open Questions</b>	

(b) Functional Requirements(Low level Details)

## Bidding\_Category\_Page

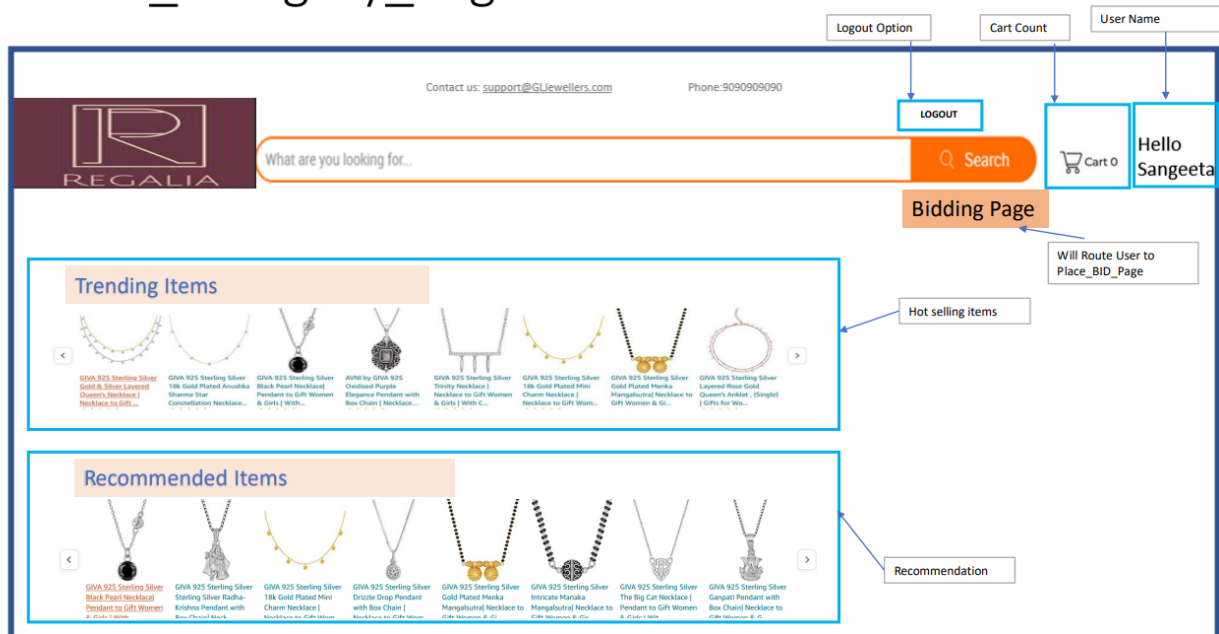
The screenshot shows a web page for 'REGALIA' with a header containing contact information, a search bar, and a 'LOGOUT' link. The main content area displays two jewelry items, each with a 'Starting bid: \$30' and a 'Place Bid' button. A blue box highlights the items and bid buttons. Annotations include: 'Items available' pointing to the jewelry images, and 'Bid Price and initiate' pointing to the bid input fields and buttons. A 'BACK' button is located at the top right of the main content area. A 'MODULES' section on the right lists: 'Bidding Item Detail- Display details of the most Bid Item' and 'Place Bid option- Route to Bid Logic(This Logic will display message)'.

Spec ID	Specification Description	Business Rules/ Data Dependency
<a href="#">Spec4.1</a>	<a href="#">Logo</a>	<a href="#">The Logo of the Page should be clickable. Whenever clicked user should be routed to the Default_Page</a>
<a href="#">Spec4.2</a>	<a href="#">Search Bar</a>	<a href="#">Should allow customer to Search on productsS</a>
<a href="#">Spec4.3</a>	<a href="#">Contact Links</a>	<a href="#">Should allow Users to contact support for the Website through call and email means</a>
<a href="#">Spec4.4</a>	<a href="#">Items available for Bids</a>	<a href="#">User should see the Bids available in a particular category</a> <a href="#">It should allow user to enter amount (per the Minimum amount Logic).</a>
<a href="#">Spec4.5</a>	<a href="#">Place Bid</a>	<a href="#">After confirming that Bidding Logic is met user is routed to payment.</a>
<a href="#">Spec4.6</a>	<a href="#">Back Button</a>	<a href="#">User has option to go to last Page</a>

BELOW PAGES ARE ALREADY PRESENT IN VERSION 0.

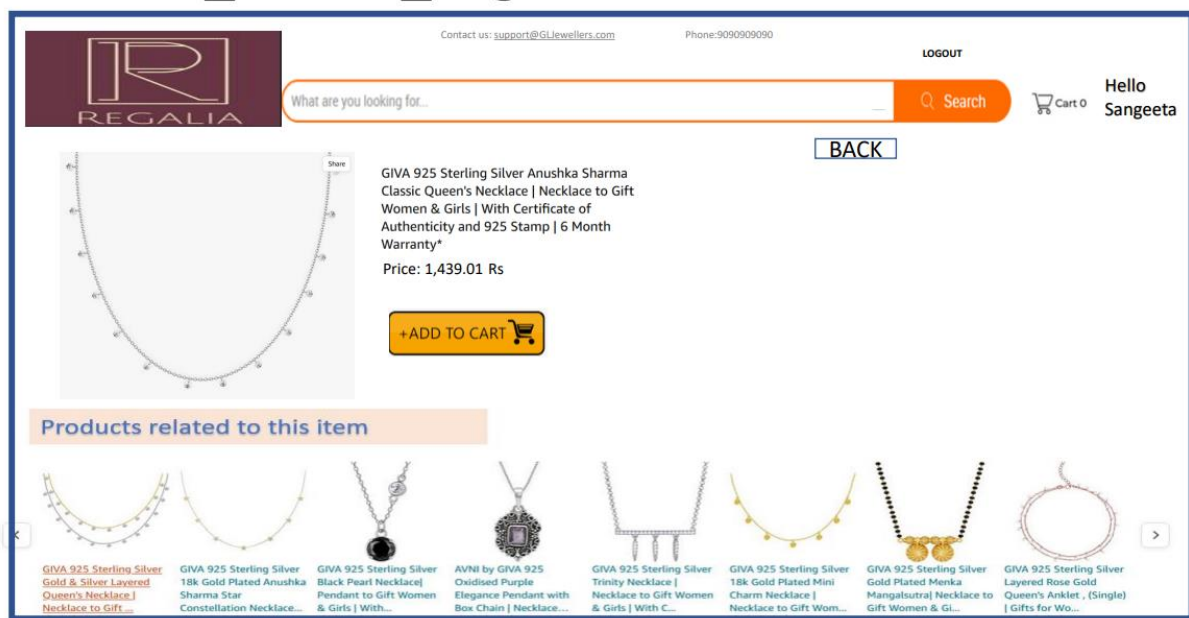
6.

## Retail\_Category\_Page



7.

## Product\_Details\_Page



8.

## User\_Cart\_Page

The screenshot shows the 'Cart' page of the REGALIA website. At the top, there is a header with the REGALIA logo, contact information (support@GLJewellers.com, Phone: 9090909090), a search bar, a 'LOGOUT' link, and a greeting 'Hello Sangeeta'. The main content area displays a single item in the cart: 'GIVA 925 Sterling Silver Anushka Sharma Classic Queen's Necklace | Necklace to Gift Women & Girls | With Certificate of Authenticity and 925 Stamp | 6 Month Warranty\*'. The price is ₹1,439.10. Below the item, there are two buttons: 'Proceed to check out' and 'Continue Shopping'. A section titled 'Products related to this item' shows a carousel of eight different jewelry items, including necklaces, pendants, and anklets, each with a brief description and a 'View Details' link.

9.

## Payment Page

The screenshot shows the 'Payment' page of the REGALIA website. The page is divided into two main sections: 'Billing Address' and 'Payment'. The 'Billing Address' section contains fields for 'Full Name' (John M. Doe), 'Email' (john@example.com), 'Mobile Operator' (Airtel/Vodafone Idea), 'Phone' (+91 00000-00000), 'Address' (10th Street), 'Country' (Select Country), 'State' (Select State), 'City' (Select City), and 'Zip' (Select Zip). There is a checkbox for 'Shipping address same as billing'. The 'Payment' section shows 'Accepted Cards' (VISA, Mastercard, American Express, Discover), 'Name on Card' (John M. Doe), 'Credit card number' (1111-2222-3333-4444), 'Exp Month' (January), 'Exp Year' (2018), and 'CVV' (352). Below these fields, there is a summary of the cart: 'Cart: Coca Cola x1' and 'Total'. At the bottom, there is a 'MAKE PAYMENT' button.

10.

## B2B\_Default\_Page

The screenshot shows the B2B Default Page with the following elements and annotations:

- Header:** Contact us: [support@GLjewellers.com](mailto:support@GLjewellers.com) | Phone: 9090909090
- Logo:** REGALIA
- Search Bar:** "What are you looking for..." with a "Search" button.
- Navigation:** "Already a User" button (highlighted with a blue box and labeled "Route to login Page").
- Main Content:**
  - Left Column:** "Reach millions of B2B buyers globally" with a "Start selling" button (highlighted with a blue box and labeled "Route for B2B registration").
  - Middle Column:** Statistics: 40,000,000+ active buyers globally, 400,000+ product inquiries daily, 200+ countries and regions represented.
  - Right Column:** Text: "GLJewellers is a leading ecommerce platform that helps SMEs go global. Connect with millions of business buyers from around the world."
- Footer:** "MODULES" section listing:
  - Start Selling- Route to B2B registration Page
  - Already a User- Route to Login
  - Existing Functionality

11.

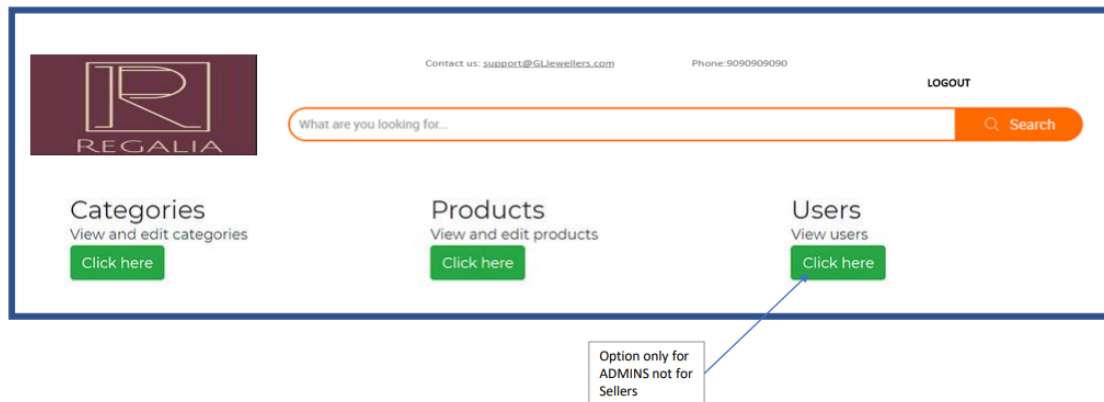
## Seller\_Registration\_Page

The screenshot shows the Seller Registration Page with the following elements and annotations:

- Header:** "Tell us a little about your business to get connected with the right supporting team"
- Form Fields:**
  - First name (First name)
  - Last name (Last name)
  - Email (Email)
  - Company name (Company name)
  - Company registered country/region (Country code)
  - Phone number (Country code, Phone number)
  - What is the main category for your business? (Please select)
- Submit Button:** "Register"
- Footer:** "MODULES" section listing:
  - Existing Functionality for User Registration(Add/Remove Fields).

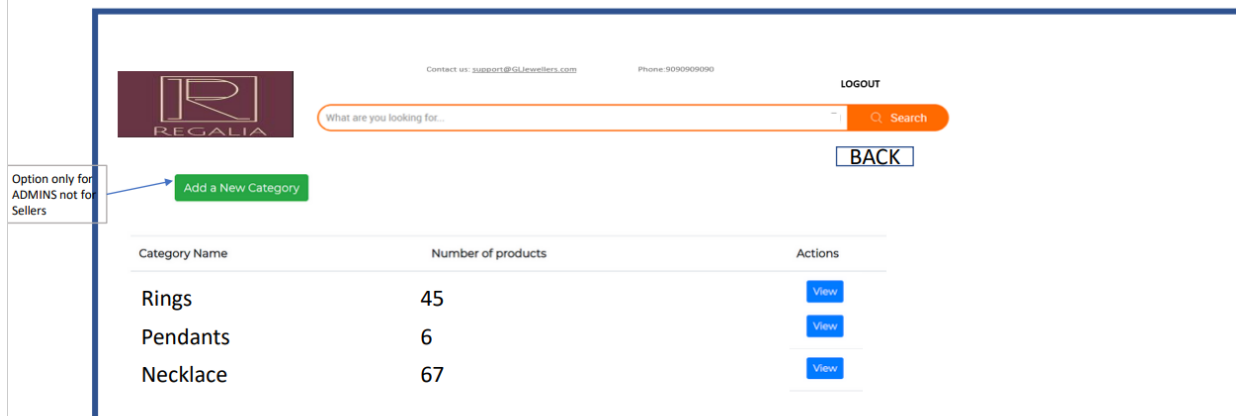
12.

## Seller\_Inventory\_Page



13.

## Seller\_Category\_Page



14.

## Seller\_Add\_Update\_Delete\_Category\_Page

This screenshot shows the 'Category Rings' management page for a seller. At the top, there is a header with the 'REGALIA' logo on the left, contact information (support@gljewellers.com and Phone: 9090909090) in the center, and a 'LOGOUT' link on the right. Below the header is a search bar with the placeholder text 'What are you looking for...' and a 'Search' button. A 'BACK' button is located below the search bar. The main content area is titled 'Category Rings' and contains two buttons: 'Update' (blue) and 'Delete' (red).

15.


## Admin\_Add\_Category\_Page

This screenshot shows the 'Admin\_Add\_Category\_Page' interface. The header is identical to the previous page, featuring the 'REGALIA' logo, contact information, and a 'LOGOUT' link. Below the header is a search bar with the placeholder text 'What are you looking for...' and a 'Search' button. A 'BACK' button is located above the search bar. The main content area is titled 'Category Name' and contains a text input field. Below the input field is a 'Save' button.

16.



## Seller\_Product\_Page



Contact us: [support@SJjewellers.com](mailto:support@SJjewellers.com)

Phone: 9090909090

LOGOUT

Search


BACK

Add a New Product

Sub Category	Sku Id	Name	Description
1 Necklace		Tanishq 22 carat diamond Necklace	Tanishq 925 Sterling Silver Anushka Sharma Classic Queen's Necklace   Necklace to Gift Women & Girls
2 Rings		Tanishq silver Ring	Silver Toe Ring for Women   92.5 Sterling Silver Hypoallergenic
3 Pendant		Tanishq gold Pendant	Gold Plated Combo Of 3 Butterfly Pink Green Black Pendant Chain

17.

## Seller\_Add\_Product\_Page



Contact us: [support@SJjewellers.com](mailto:support@SJjewellers.com)

Phone: 9090909090

LOGOUT

Search

Bulk Upload Products

Choose File No file chosen

Product Image

Choose File No file chosen

Category: Dry Fruits

Product SKU:

Brand:

Sub Product Id:

Product Name:

Product Description:

Weight:


Product Price:

Product Quantity:

Save

18.

# Seller\_Update\_Delete\_Product\_Page




Contact us: [support@gljewellers.com](mailto:support@gljewellers.com)

Phone: 9090909090

LOGOUT

Search

BACK



**Details:** Brado Jewellery Gold Plated & Brass Cubic Zirconia White American Diamond Square & One Love Heart Shape Pendant with Chain Necklace for Women - Combo of 3 (Yellow)

**Description:** Sales package - Total Chain : 3, Total Pendant : 3, Size : 18 Inch Full Length. Brado's Dazzling Gold Plated Wedding Jewellery American Diamond Necklace Set Combo For Women. This Jewelry Set offers a wide range of wedding jewelry. It is every woman's essential to have a beautiful jewelry set all the time since they are so elegant and eye-catching for special wedding and festive occasions.

Update

Delete

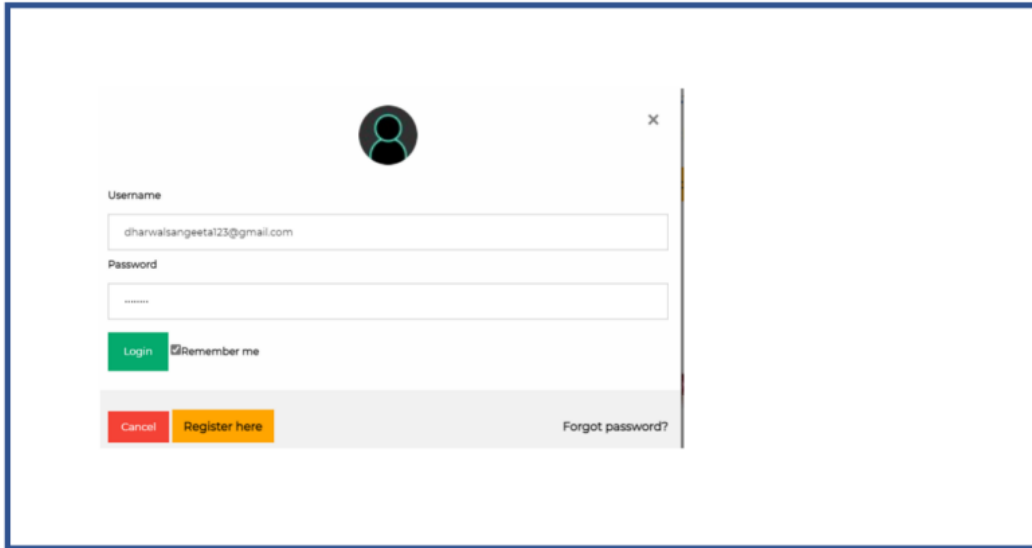
19.

## Client\_Page


Name	Email	Status	City	State	# of orders	B2B Flag (Y/N)
Akhil Reddy	akhil.singireddy3@gmail.com	Active	Vadodara	Gujarat	1	Y
Akhil Reddy	akhil@gmail.com	Active	Los Angeles	California	0	Y
abc bbc	abc@gmail.com	Active	Dallas	Texas	0	Y
abc bbc	abcd@gmail.com	Active	Dallas	Texas	0	Y
new1 new1	new1@gmail.com	Active	Dallas	Texas	0	N
new2 new2	new2@gmail.com	Active	5	Andhra Pradesh	0	Y
new3 new3	new3@gmail.com	Active	Hyderabad*	Telangana	0	N

20.

## Login\_Page



A login page UI mockup enclosed in a blue border. At the top center is a circular profile icon placeholder. To its right is a close button (X). Below the icon is a 'Username' label and a text input field containing 'dharwalisangeeta23@gmail.com'. Below that is a 'Password' label and a password input field with masked characters. A green 'Login' button is positioned to the left of a checked 'Remember me' checkbox. At the bottom, there is a row of three elements: a red 'Cancel' button, a yellow 'Register here' button, and a 'Forgot password?' link.



X

Username

dharwalisangeeta23@gmail.com

Password

.....

Login

☒ Remember me

Cancel

Register here

Forgot password?

# Registration\_Page



*Email:	<input type="text" value="dharwalsangeeta123@gn"/>
*Password:	<input type="password" value="....."/>
*Confirm Password:	<input type="password" value="....."/>
*First Name:	<input type="text" value="sangeeta"/>
*Last Name:	<input type="text" value="dharwal"/>
*Address:	<input type="text" value="test"/>
*Country:	<input type="text" value="India"/>
*State:	<input type="text" value="Maharashtra"/>
*City:	<input type="text" value="Pune"/>
*Zip Code:	<input type="text" value="123456"/>
*Phone Number:	<input type="text" value="1234567890"/>
	<input type="button" value="Register"/>