

A TechnoTackle Case Study



Project Title

Srii BJ Jewels



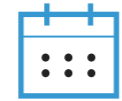
Type of Business

Jewelry Fabrication



Type of Document

Case Study



Published Date

July 22, 2022



Scope Of Work

Mobile App Development
Website Development

UI/UX Design
Web Admin Panel Development



Application URL

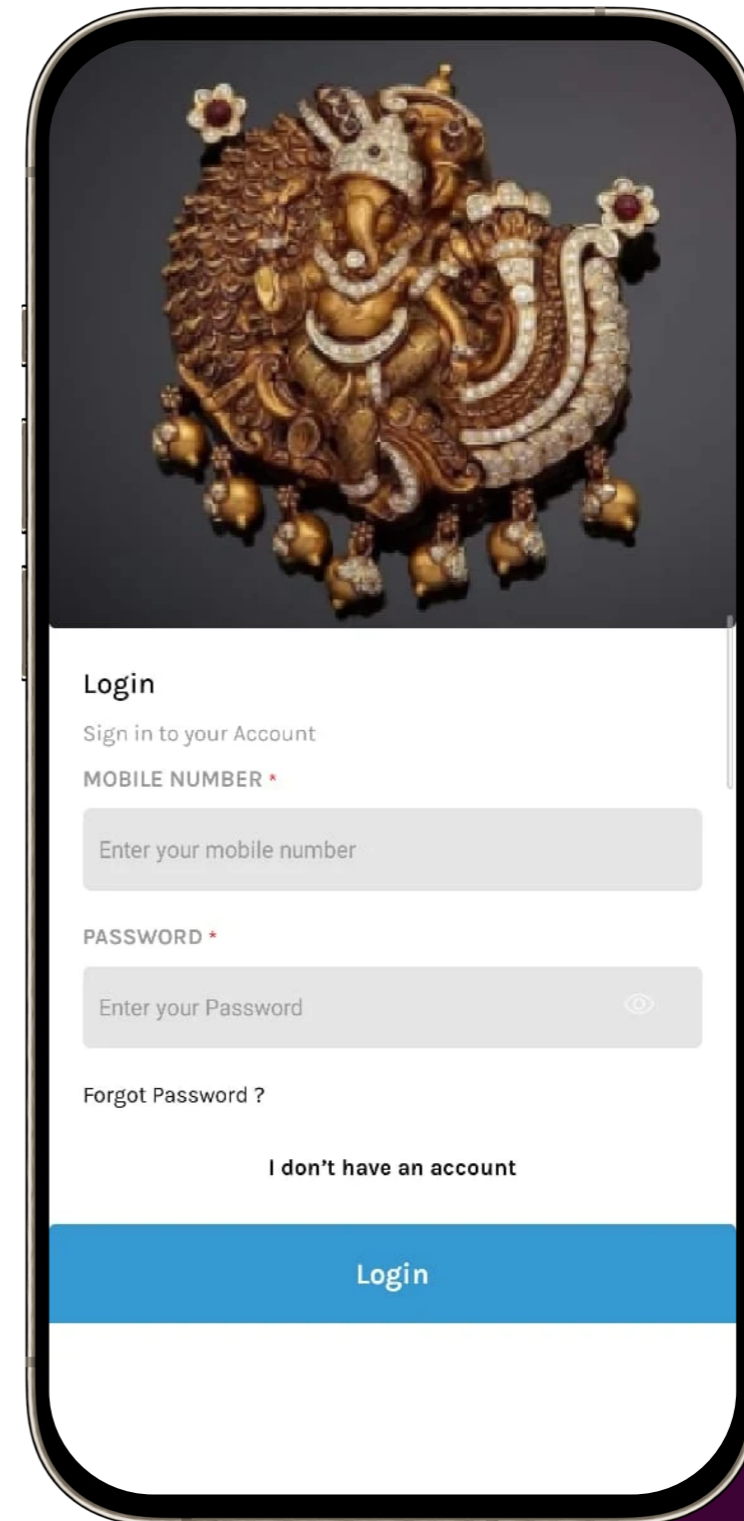
[Explore Website](#) [Explore Android app](#) [Explore iOS app](#)



Tech Stack



* Please note that certain screenshots in the case study are presented with dummy data for illustrative purposes - the information depicted is not real but serves to demonstrate the functionality of the application.



Client Accolade



Early we used notebooks for order tracking, after delivery of the jewelry order app my routine became very easy, more flexible. Thanks to Techno Tackle for lifting my business to the next level.

Mr Balaji

Srii BJ Jewels





About the Client Company

SRII BJ JEWELS, a successful jewelry manufacturing firm in Coimbatore with over 25 years of experience, consistently fulfills the desires of its customers.

This reputable firm was founded by Mr. V. Ranganathan, Mr. J. Balaji and Mr. V. Senthil Kumar and they are specialized in crafting handmade gold chains, casting items, Bengali items, Calcutta items and Rajkot items.



The Challenge

◆ The client was maintaining a notebook to record their below mentioned business transactions -

- Source of procured gold
- Aggregate weight of acquired gold
- End customer details
- Ornament design patterns
- Cumulative grams of finalized ornaments
- Complete order information, encompassing order date, delivery date and rework date.
- The present status of the ongoing, previous, and rework orders with relevant details.

◆ The client has approached Techno Tackle and requested to computerize and facilitate their order transactions.

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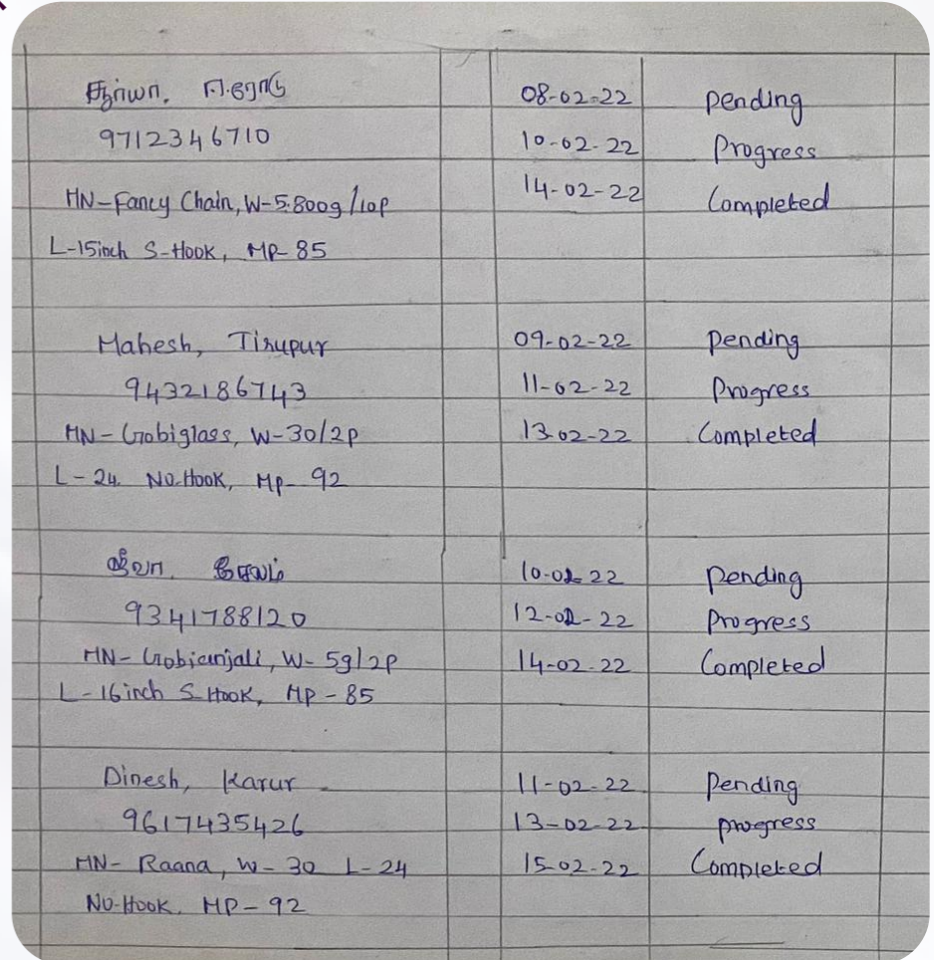
BJ		பெரியலூர், திருச்சூர்		08-01-22	Pe
08-22		9876124466		10-01-22	Pe
14925		HN- Raana, W-30, L-24, HP-92, NO Hook, Code-BL		14-01-22	Co
BJ		Ambal, Erode		09-01-22	P
09-22		7892244555		11-01-22	P
14924		HN- 81 Sakthi, W-5.80g/2P L-16inch, S-Hook, HP-85		13-01-22	
BJ		Jacob - Salem		10-01-22	
10-22		8725265134		12-01-22	
14923		HN- Grobi arjali, W-5g/2P L-16inch, S-Hook, HP-85		14-01-22	
BJ		செல்லூர் - செல்லூர்		11-01-22	
11-22		6642477221		13-01-22	
14922		HN - Grobi glass, W-5g/2P L-16inch, S-Hook, HP-85		15-01-22	

Legacy Order Tracking Notebook

The Challenge

- ❖ The client faced challenges **managing daily order transactions using a notebook** due to the high transaction volume. This impacted their ability to focus on designing and developing ornaments.
- ❖ Retrieving order details from the notebook has proven to be time-consuming.
- ❖ According to the client, **they spend a minimum of 3 to 4 hours daily** referring to their notebook to view various order transactions. This includes customer details, procured gold information, delivery dates, current status and rework details.

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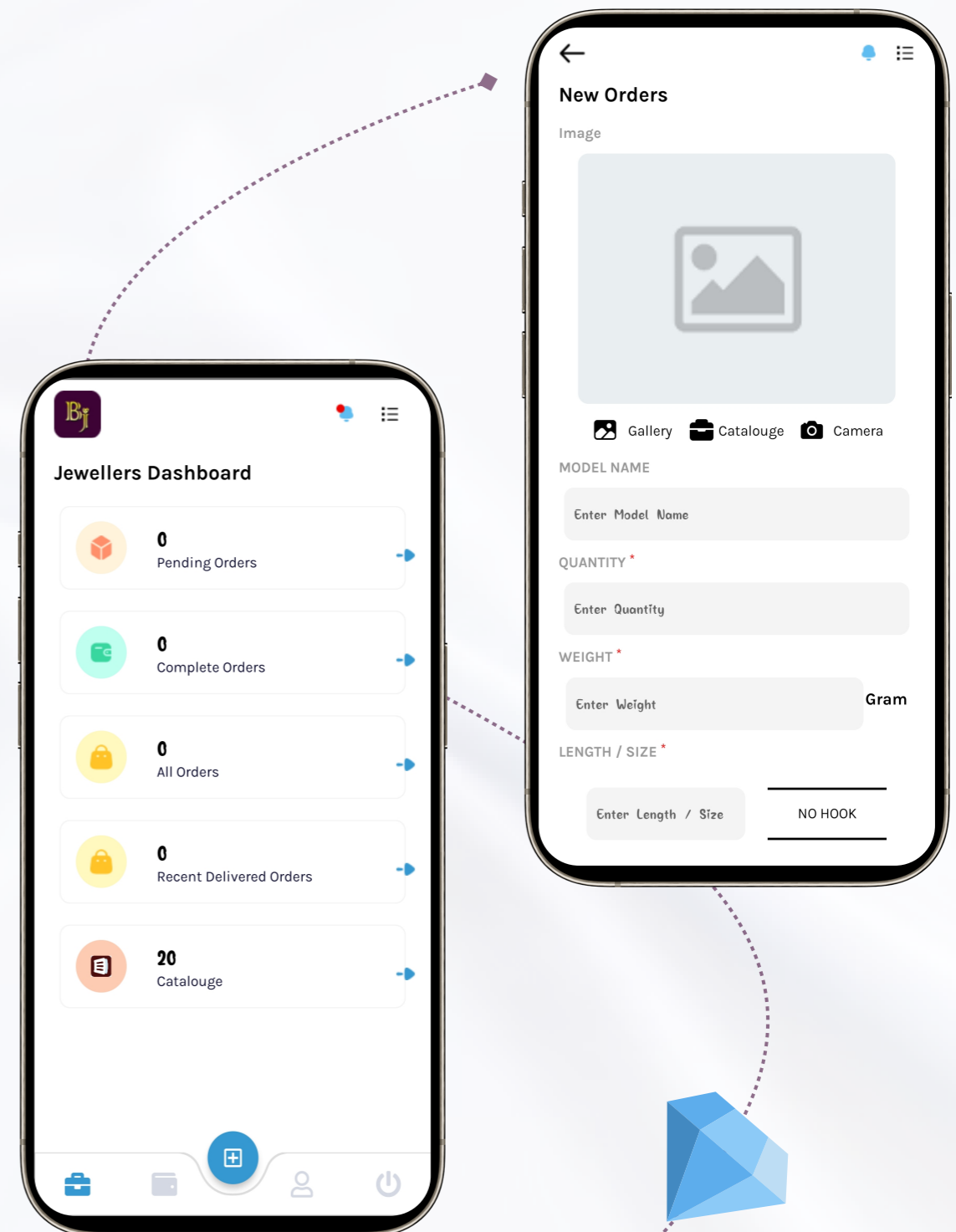


Pravin, Bangalore 9712346710	08-02-22	Pending
MN-Fancy Chain, W-5.800g/10p	10-02-22	Progress
L-15inch S-Hook, MP-85	14-02-22	Completed
Mahesh, Tirupur 9432186743	09-02-22	Pending
MN-Crystalglass, W-30/2p	11-02-22	Progress
L-24 No-Hook, MP-92	13-02-22	Completed
Ben, Bhubli 9341788120	10-02-22	Pending
MN-Crystaljali, W-5g/2p	12-02-22	Progress
L-16inch S-Hook, MP-85	14-02-22	Completed
Dinesh, Karur 9617435426	11-02-22	Pending
MN-Raana, W-30 L-24	13-02-22	Progress
No-Hook, MP-92	15-02-22	Completed

Legacy Order Tracking Notebook

The Solution

- Understanding the client's challenges, we devised a solution and delivered an app for viewing all order transactions, accompanied by an admin panel for easy manipulation of order transactions.
- The newly built application includes the following major modules: login management, catalog management, order management, profile management, notification management and admin panel.



The Solution

💎 Login Management

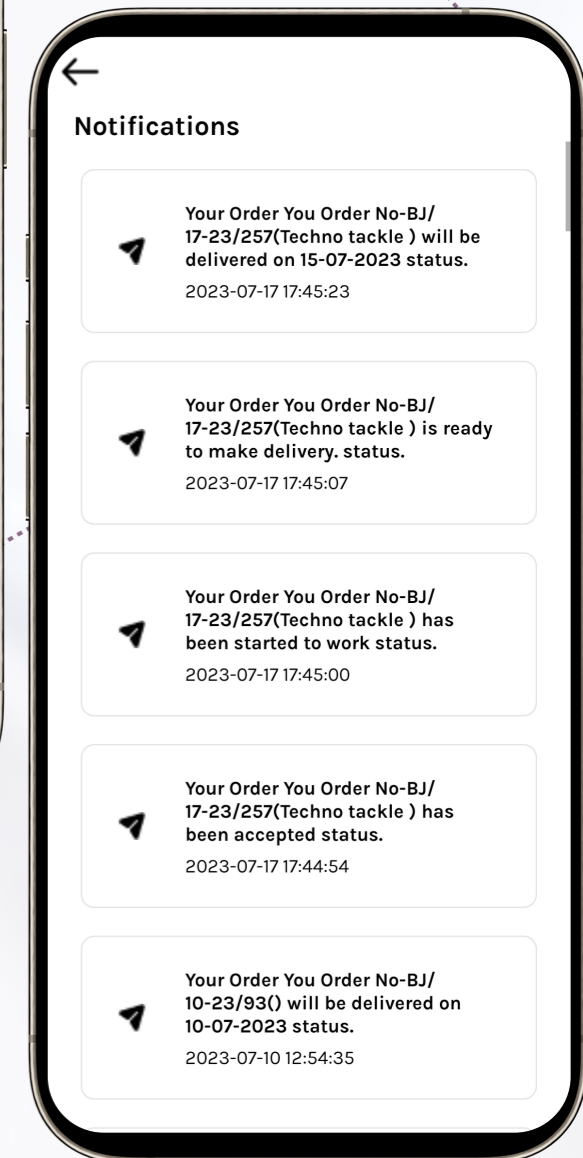
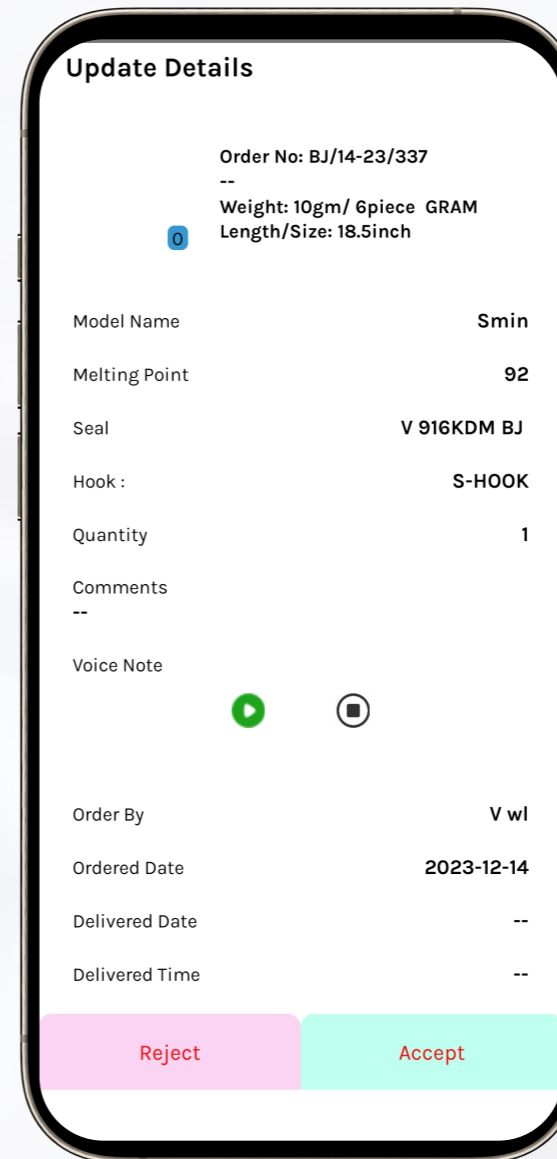
It focuses on secure and separate logins and depending on whether the user logs in as a customer or client, specific features are displayed.

💎 Catalog Management

It focuses on uploading and displaying catalogs, facilitating customers in selecting ornaments and placing orders for designs.

💎 Order Management

It focuses on managing orders from placement to delivery, providing clarity to both customers and clients regarding the progress of the orders.



The Solution

💎 Profile Management

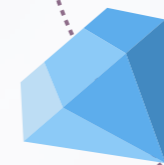
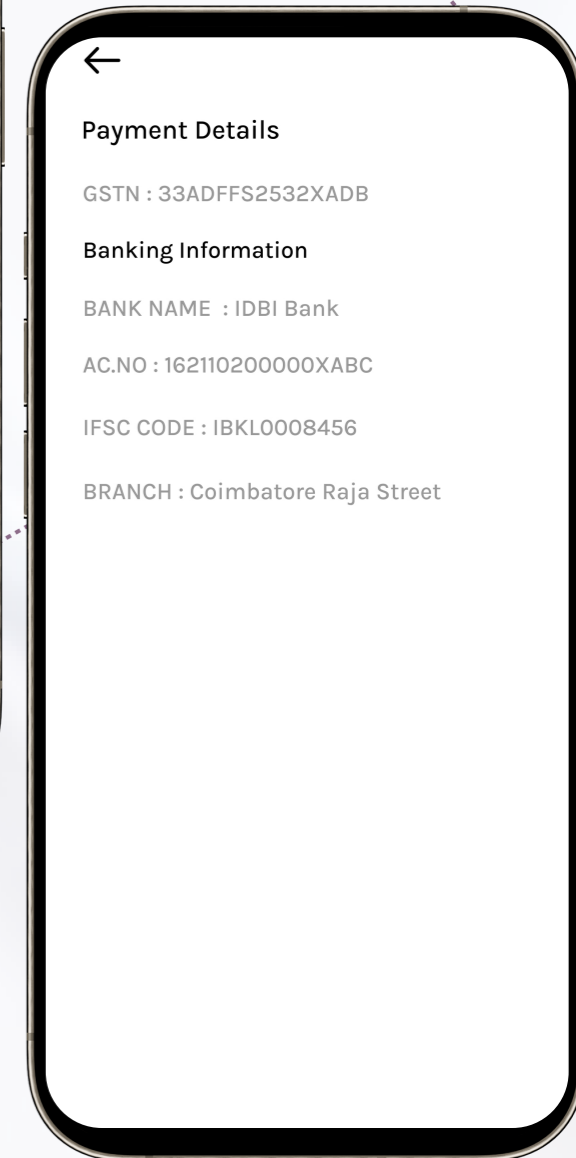
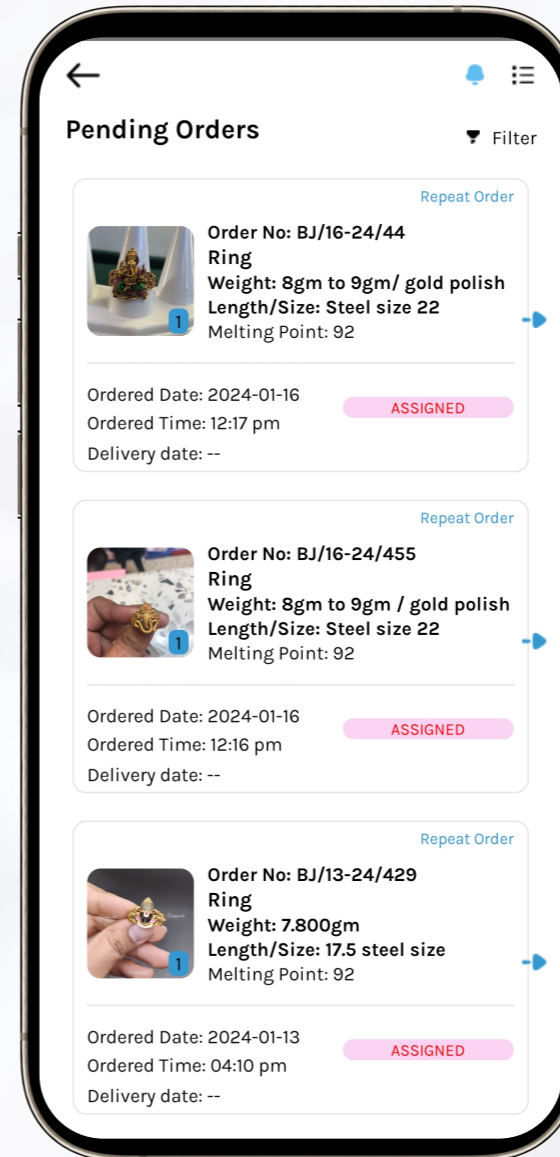
It focuses on managing customer and client profiles by defining their roles and enabling or blocking the respective users.

💎 Notification Management

It focuses on sending push notifications to both clients and customers, providing updates on the progress of the orders.

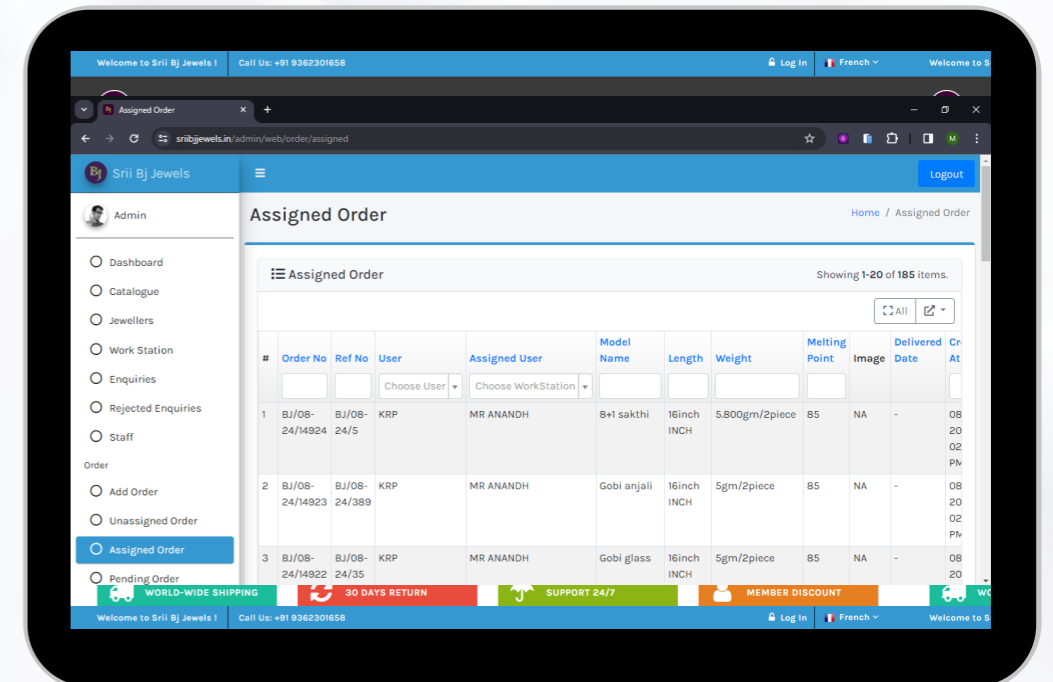
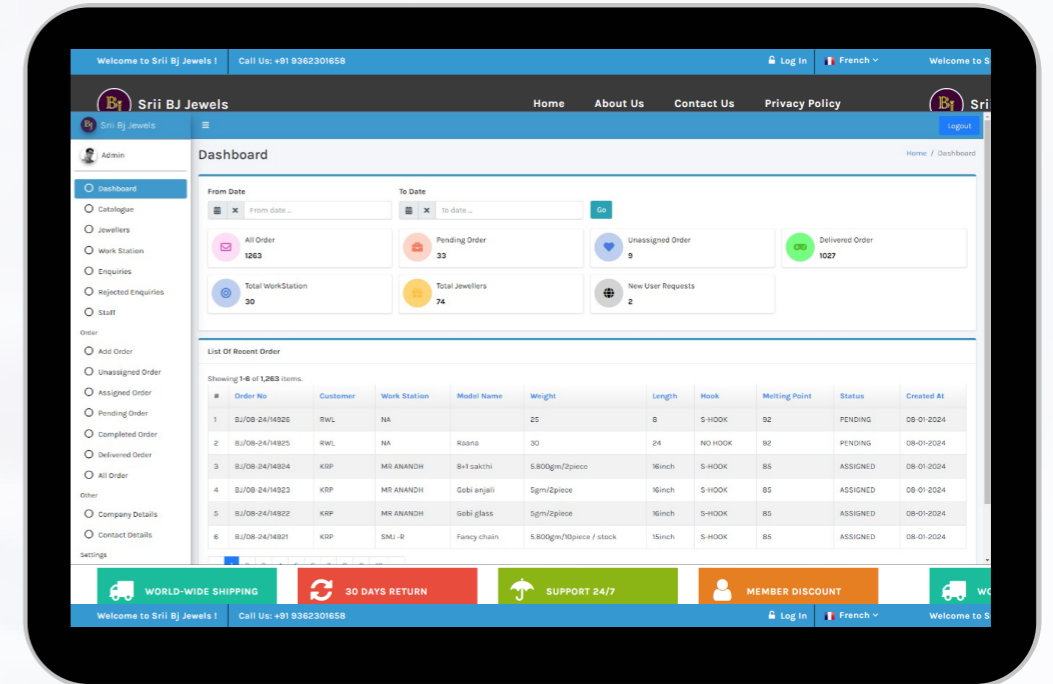
💎 Admin Panel

It focuses on managing transactions for clients from the backend. This includes overseeing catalog design patterns, updating current and past order details, as well as generating reports.



The Solution

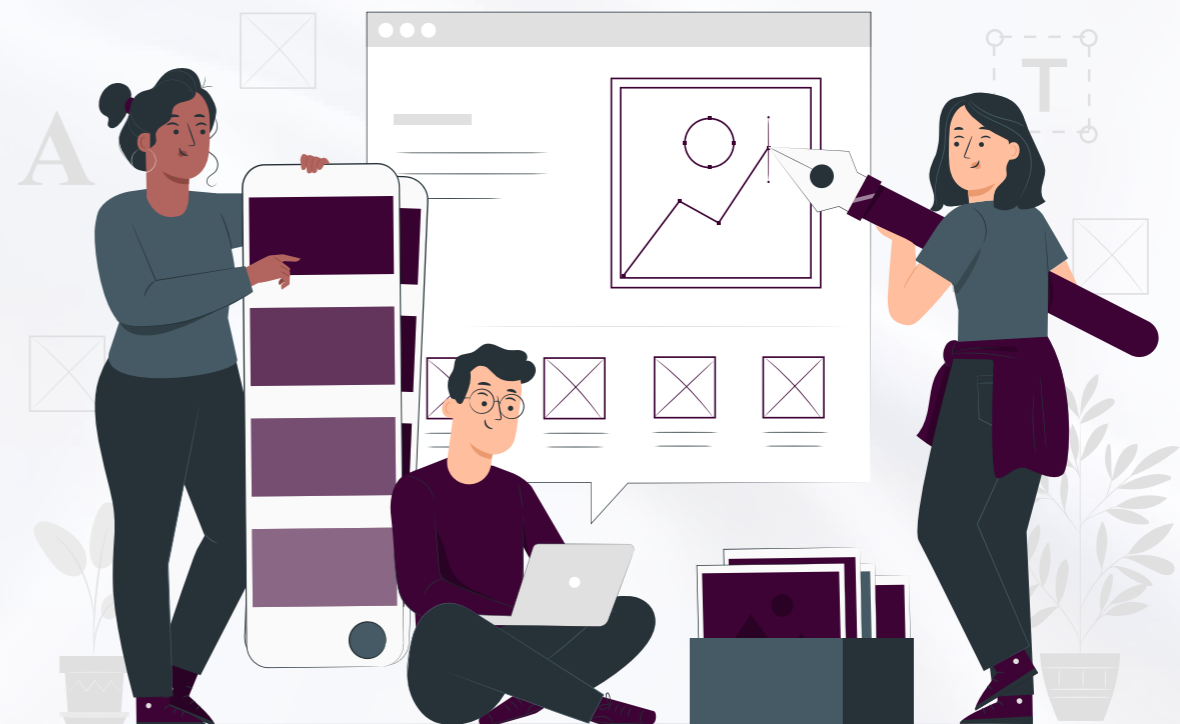
- ◆ We transformed their order recording system by creating an user friendly app that **streamlines order management, enhancing overall efficiency** of the transactions.
- ◆ Creating an app instead of using a notebook greatly improved the order transaction process. **Due to the same the client can retrieve data within 5 to 10 seconds - a drastic improvement from spending hours to obtain order details and statuses.**
- ◆ The newly built application enables the client to fully concentrate on their core work of ornament design and development.



Project Management and Team Structure

We have implemented the Software Development Life Cycle (SDLC) process for developing and managing projects - requirement gathering, design, development, testing and deployment. Our team comprises of as mentioned below:

◆ Project Manager	01
◆ App Developer	01
◆ Designer	01
◆ Back End Developer	01
◆ Front End Developer	01
◆ Quality Analyst	01



Architecture & Technologies

The app and the admin panel were developed based on the MVC architecture. The technologies involved in design and development are mentioned below:

◆ Design Tool

Figma

◆ Front End

HTML, React Native

◆ Back End

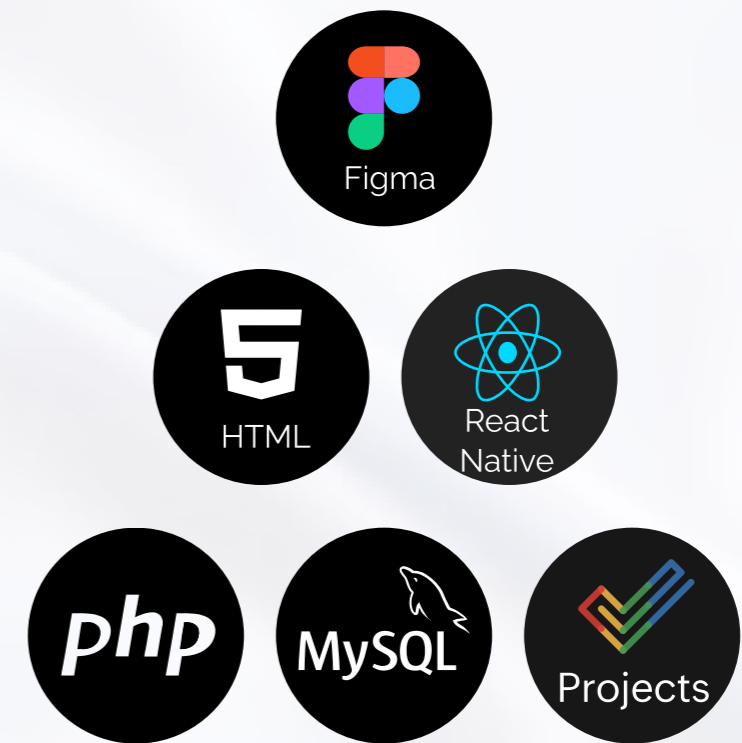
PHP

◆ Database

MySQL

◆ Project Management Tool

Zoho Projects



The Results

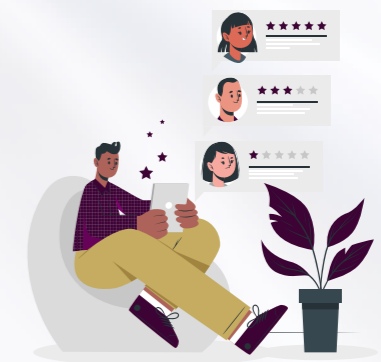
- ◆ This unique app in the market facilitates daily business transactions for goldsmiths and jewelry crafting businesses.
- ◆ After transferring the order transaction details from the notebook to the app, the data became secure and only authorized individuals can view, modify and delete order details. The client expressed great satisfaction with this improvement.
- ◆ When the order details were recorded in the notebook, the client used to spend at least **3 - 4 hours per day** maintaining them. Now, with the transition to the app, the client can review all daily order transactions **in just 10 - 15 minutes**.



An exclusive app aids jewelry crafting businesses.



Order data securely managed.



App streamlines daily reviews within 10-15 minutes.

The Results

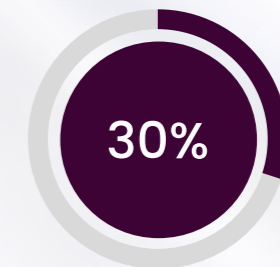
- ◆ Due to the transition to the app, the client was able to maintain **100% accuracy** in data effectively.
- ◆ To review single order details in a notebook including ordered date, customer details, order status, ornament design, and procured gold, the client used to spend **10 minutes**. However, after transitioning to the app, the client can now view single order transaction details in just **10 seconds**.
- ◆ After transitioning to the app, as per the client's feedback their **daily productivity has increased by up to 30%**.



The client achieved **100%** data accuracy.



Swiftly view single order history in just **5 -10 seconds**.



App use increased daily productivity of clients' team by **30%**.

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