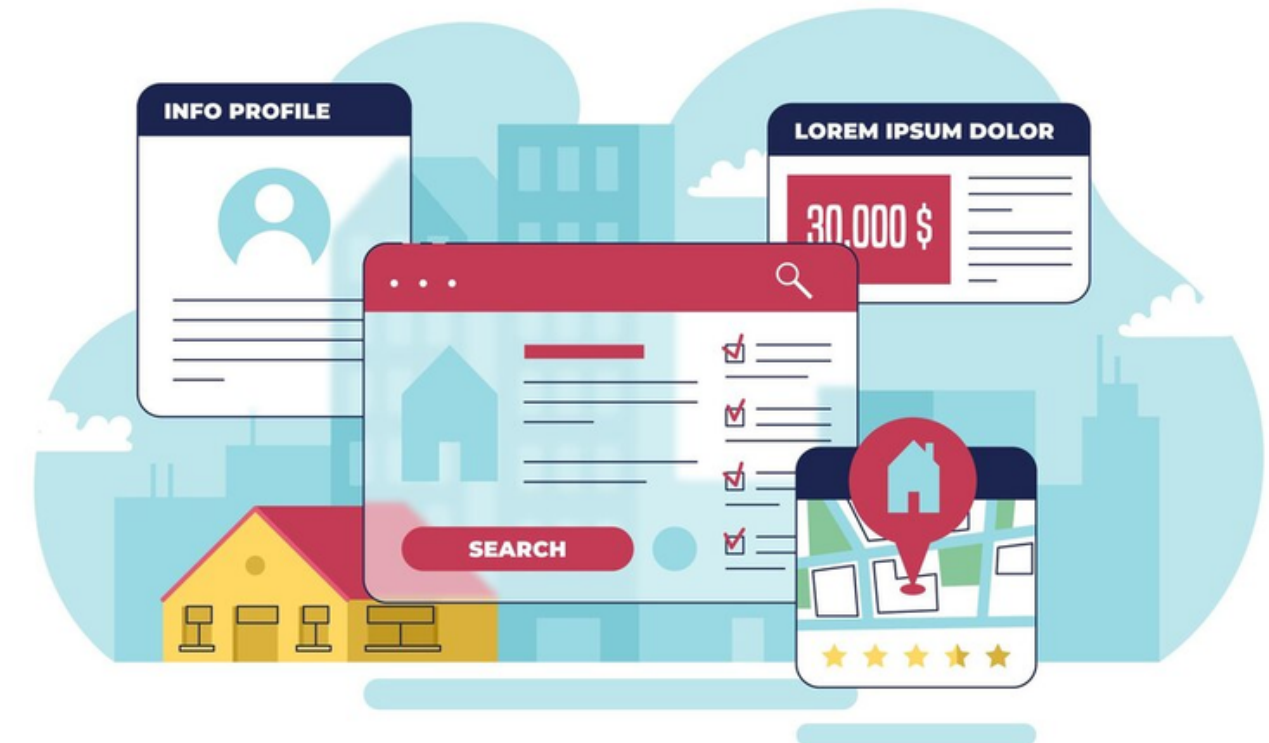


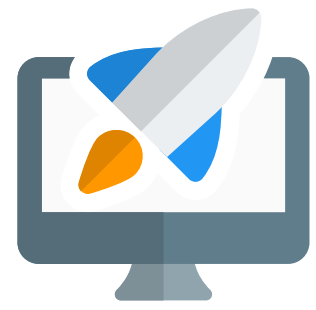
E-commerce and Rental Portfolio

It's an E-commerce web application that helps the business sell and rent their products online. It is a comprehensive web application and seamless integration of REST APIs, We have created a dynamic marketplace where organizations can efficiently manage their inventory, sales, rentals, and payments.

About client :

The client is a leading organization in a big country in Asia continent. The client develops various products by using the latest technologies to provide enterprise-level solutions to organizations/universities.





BUSINESS REQUIREMENTS :

- Business must be able to easily add, update, and organize their products and rental items via the platform. It should make maintaining an organized inventory easier.
- An intuitive interface with a pleasing appearance is necessary. Customers should appreciate the experience of purchasing or renting goods online, regardless of their level of technological proficiency.
- The safety and dependability of all payment transactions are of the highest priority. Customers should have faith in the security of their information while making payments online.
- Both sales and rentals should be handled by the platform without any issues. Businesses must effectively manage these factors, which include keeping track of the things that are available for rent and purchase.
- Customers need a simple way to explore categories or do specialized item searches. The search feature needs to be quick, simple to use, and precise.
- The platform's ability to manage orders is essential. This involves processing orders, monitoring shipments, and updating consumers on the status of their goods.

Quick Facts :

“ Industry:
Healthcare Industry. ”

Benefits Delivered :

“

- Increase Productivity.
- Better user experience
- High availability
- Improves Communication.

”



BUSINESS REQUIREMENTS :

- Encourage customers to rate and review your products so that others may make educated purchasing decisions.
- It is crucial to guarantee that user accounts are safe and that only people with permission can access them. Users should have no trouble setting up accounts, logging in, and managing their profiles.
- From desktop computers to smartphones and tablets, the platform ought to function without a hitch on all gadgets. It's crucial to deliver a consistent experience.
- Payment security comes first and foremost. Prioritizing the security of client financial data and transactions is crucial.
- Allow consumers to save their favorite goods on wishlists for future use. It's a straightforward feature that can raise user interest.
- Real-time order tracking is something that customers want to be able to do. Building trust with customers by providing delivery tracking data and updates on order status.





KEY FEATURES :

The Web application provides the following functionalities :

- Managing an account is simple. Users can create one, log in easily, and update profiles as needed.
- The global search was implemented to search any product very efficiently, based on keyword and product category.
- Users can apply filters based on price, rating, and many other fields.
- Users can download invoices in PDF and zip format.
- The front end was built using React.js for a better user experience.
- The backend process was handled by the spring boot application. Implemented Rest APIs for client-server interaction.
- Used spring security and JWT tokenization for better security and session management.
- Integrated Razorpay payment gateway and wrapped Razorpay's Apis with an extra layer of abstraction and security.
- Created a user dashboard where users can manage wishlists, addresses, and track orders.
- Created an admin dashboard where the admin can add products, and manage products and users.
- Implemented a product review feature for better user experience.

“

What makes this team apart from the crowd is not only the accomplishments but more the rapid responsiveness to my requests. That kind of responsiveness is an exceptional work ethic not frequently seen in our industry. I can always count upon this team to respond in kind with their best efforts. Hence my sincere appreciation for the high quality of service continually rendered by the IgneK team!

”



SOLUTION/ TECHNOLOGY USES:

1

Java 17

2

Springboot 3.0.1

Expose the content to the various channels using REST API.

Configure SMTP.

3

SMTP:

A mail server's configuration protocol to implement Email notification.

4

MySQL:

MySQL was used as the database of the Web application.

5

React JS:

Used as a Web application's front end.

6

Msg91 Integration:

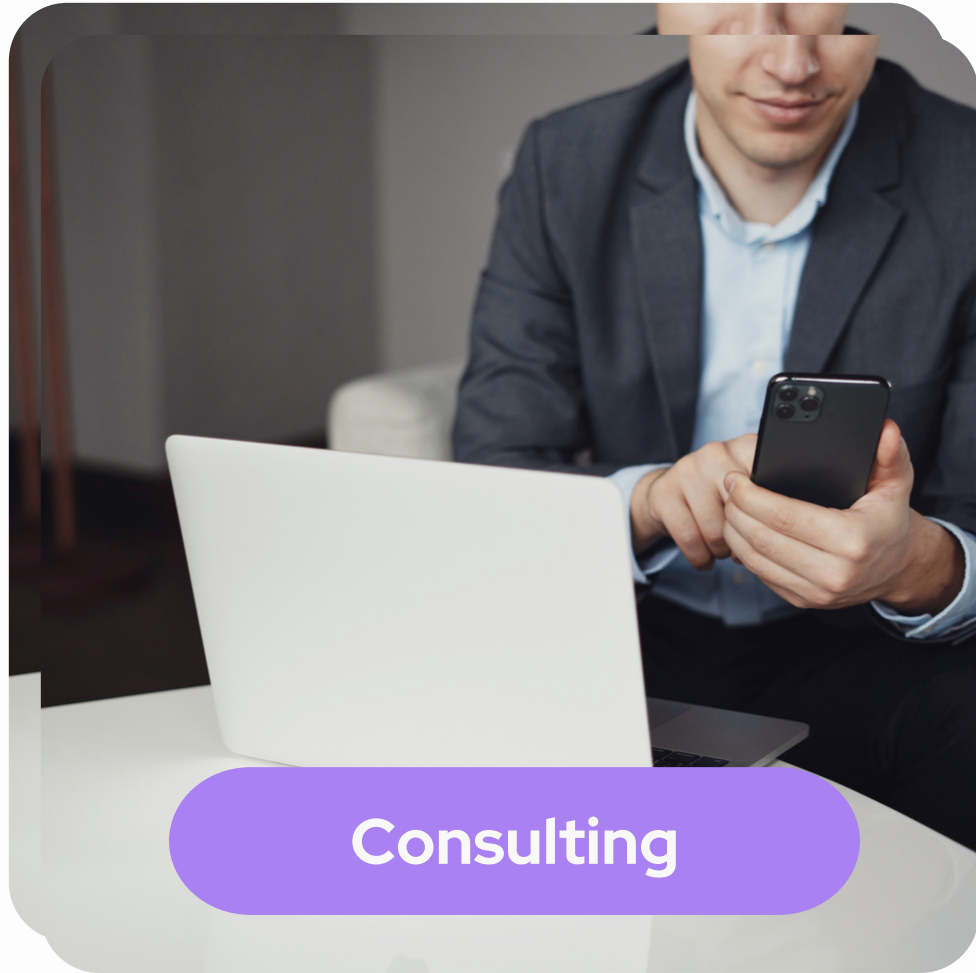
Implemented SMS notifications

7

OAuth2.0:

for cross-platform user authentication mechanism





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Contact Us

Because, we're here to help



Address

C-1205, Ganesh Glory 11, Jagatpur Road,
Gota, Ahmedabad, Gujarat, India.



Telephone

(+91) 6351576580



Email

sales@ignek.com

Thank You