

ONLINE RETAIL SHOP MANAGEMENT SYSTEM

A Project by Sonal
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INTRODUCTION

- In India, we are availed multiple ways to pay our bills online or trade online. Additionally, there are numerous online ecommerce platforms for Groceries, Fashion, Food, etc. But we still lack of a dedicated online ecommerce platform for disposable and housekeeping items.
- Online Retail Shop Management System (ORSMS) fulfills this need of *crores* of business owners who are struggling because of lack of 'Ease of Doing Business' in their area of expertise or marketing.
- Both markets have reached the valuation of approximately USD 28,163 Million in the years 2021-2022, despite the country was facing serious economic crisis raised due to Covid-19 and nation-wide lockdown. If an industry can make such huge progress without any dedicated, online ecommerce platform, one can imagine its potential, if it is supported by an online platform.



PROBLEM DEFINITION

- In India, we have online eCommerce platforms for nearly every business/commercial need, being a regular consumer of those services; I should not necessarily explain the importance of syncing an online eCommerce platform with any business.
- Considering the damage caused to Indian economic growth because of the pandemic and nationwide lockdown situations, it is necessary for all kinds of local businesses in the country to be synced with an online eCommerce platform, so that the business, its market, its ecosystem, and an overall economy of the nation can play the role of Phoenix.



EXISTING SYSTEM & 'WHY' NEW SYSTEM

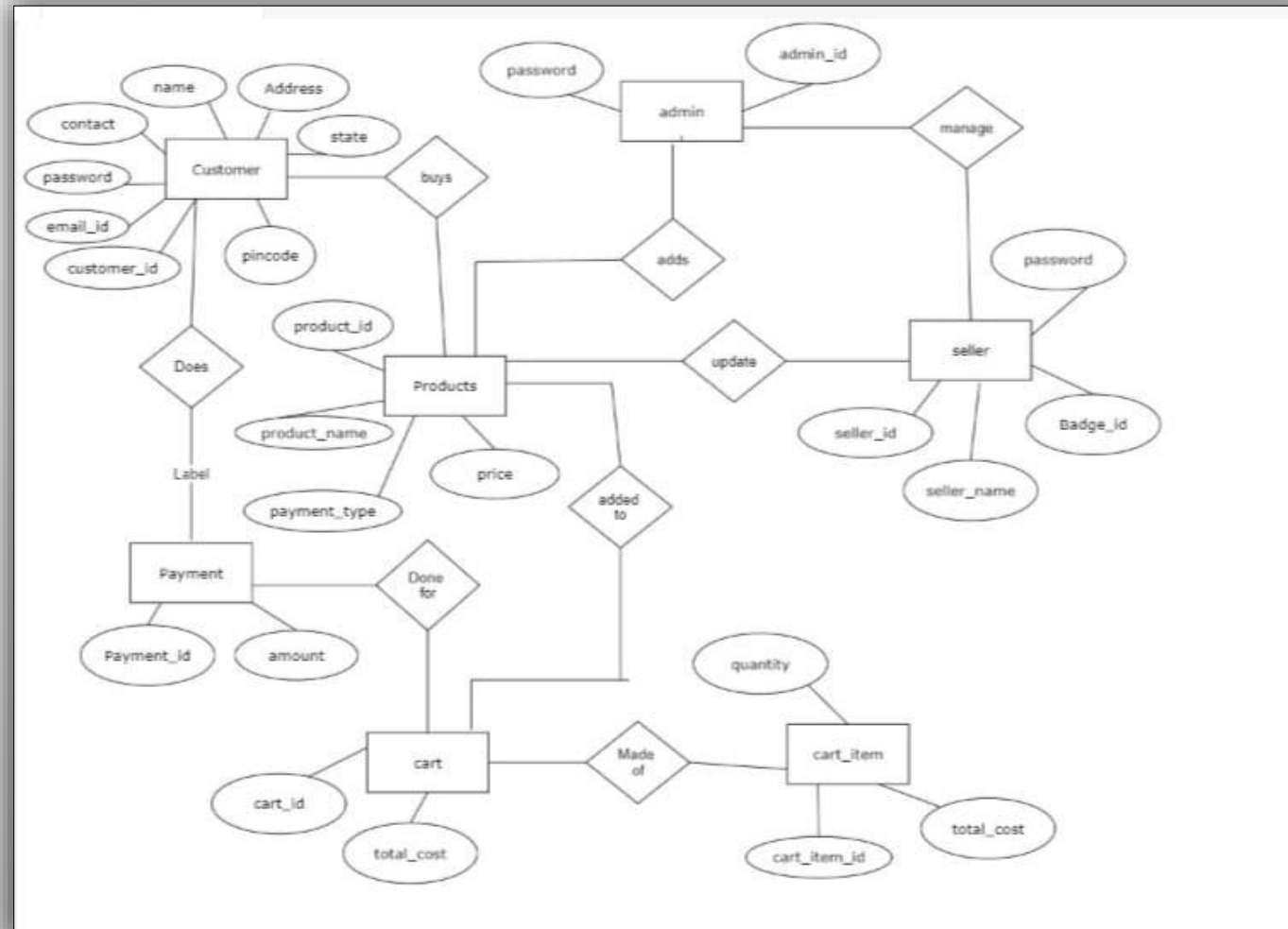
- ORSMS, a dedicated, online eCommerce platform exclusively made for the B2B as well as B2C transactions of single Housekeeping and Disposable Items Business, can manage the operations of such businesses through a single application, to save time and resources of the business owners and administrators.
- Currently, business owners owning businesses of housekeeping products and/or disposable items products, have to do business in a typical way, with a lot of paperwork and record maintenance. No business owners can analyze their sales data properly, which leads to a lack of data management aspect in this industry.
- This system allows them to keep a track record of the stock available, as well as keep the track record of sellers, who are associated with them. When the product is Out of Stock, the user will get to know the same when they login to the system, in the respective section. This feature can save the time and resources of a seller as well as an admin.



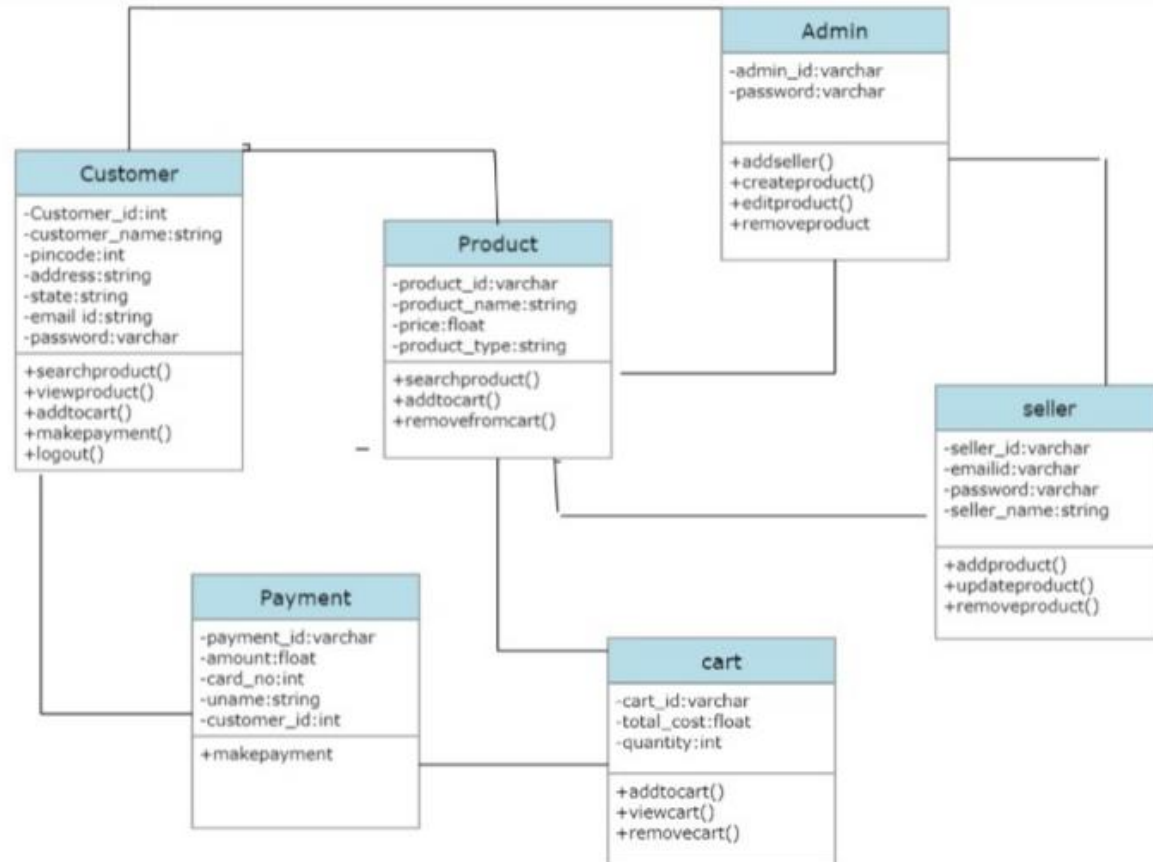
SCOPE OF PROPOSED SYSTEM

- An admin, a seller, or a customer can operate their respective roles from anywhere and at any time through a laptop or mobile phone, instead of physically going to shops or business centers, or warehouses, which can save resources, time, and effort of everyone involved in this business.
- A customer has the option to make payment using online mode or Cash on Delivery.
- Quick ordering and quick shipping can save the time of an organization, which will eventually lead to the eternal growth of the business.
- Being an online shopping website, the platform will get more exposure through Google AdSense and other digital marketing as well as PR tools.

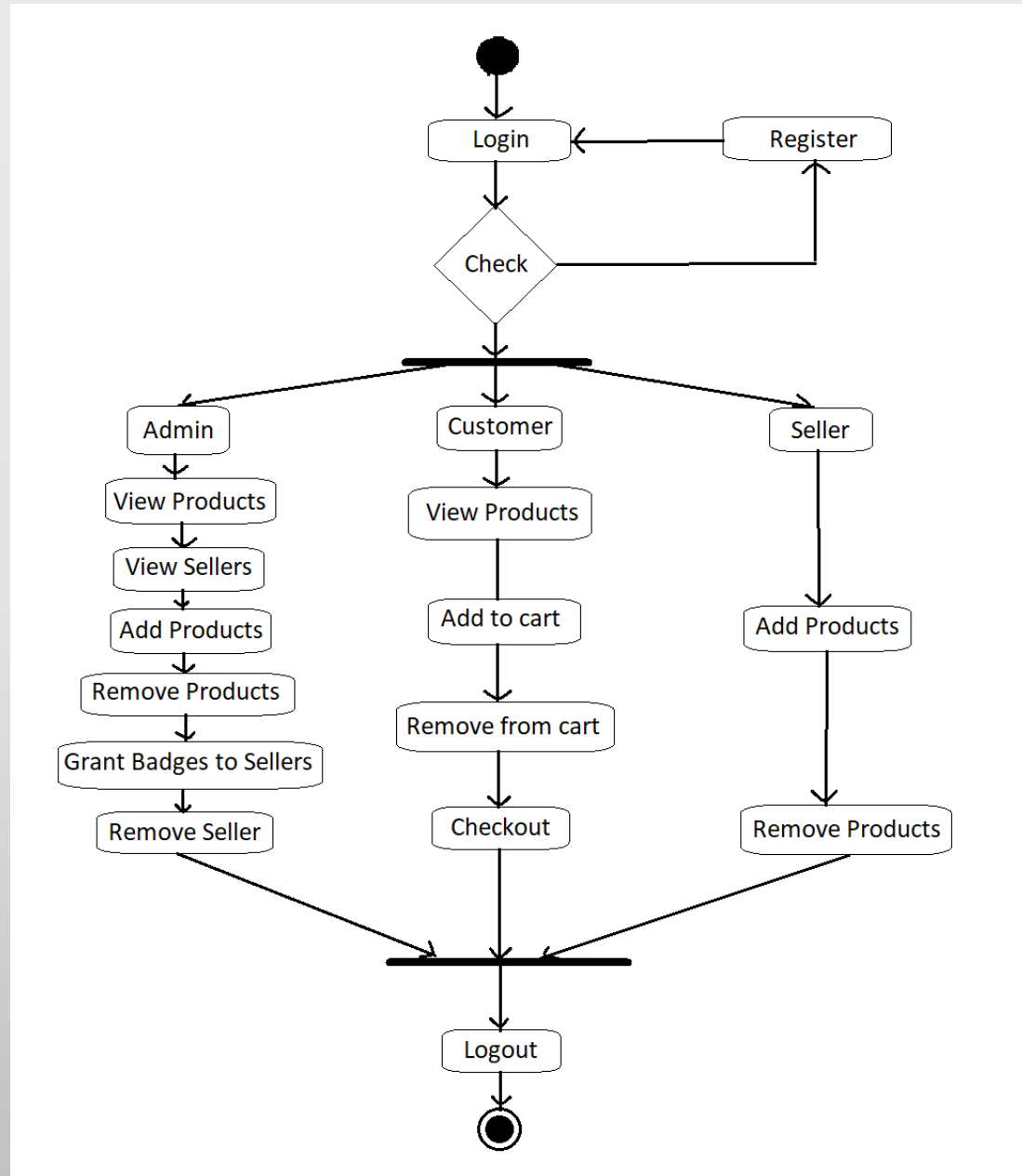
ENTITY RELATIONSHIP DIAGRAM

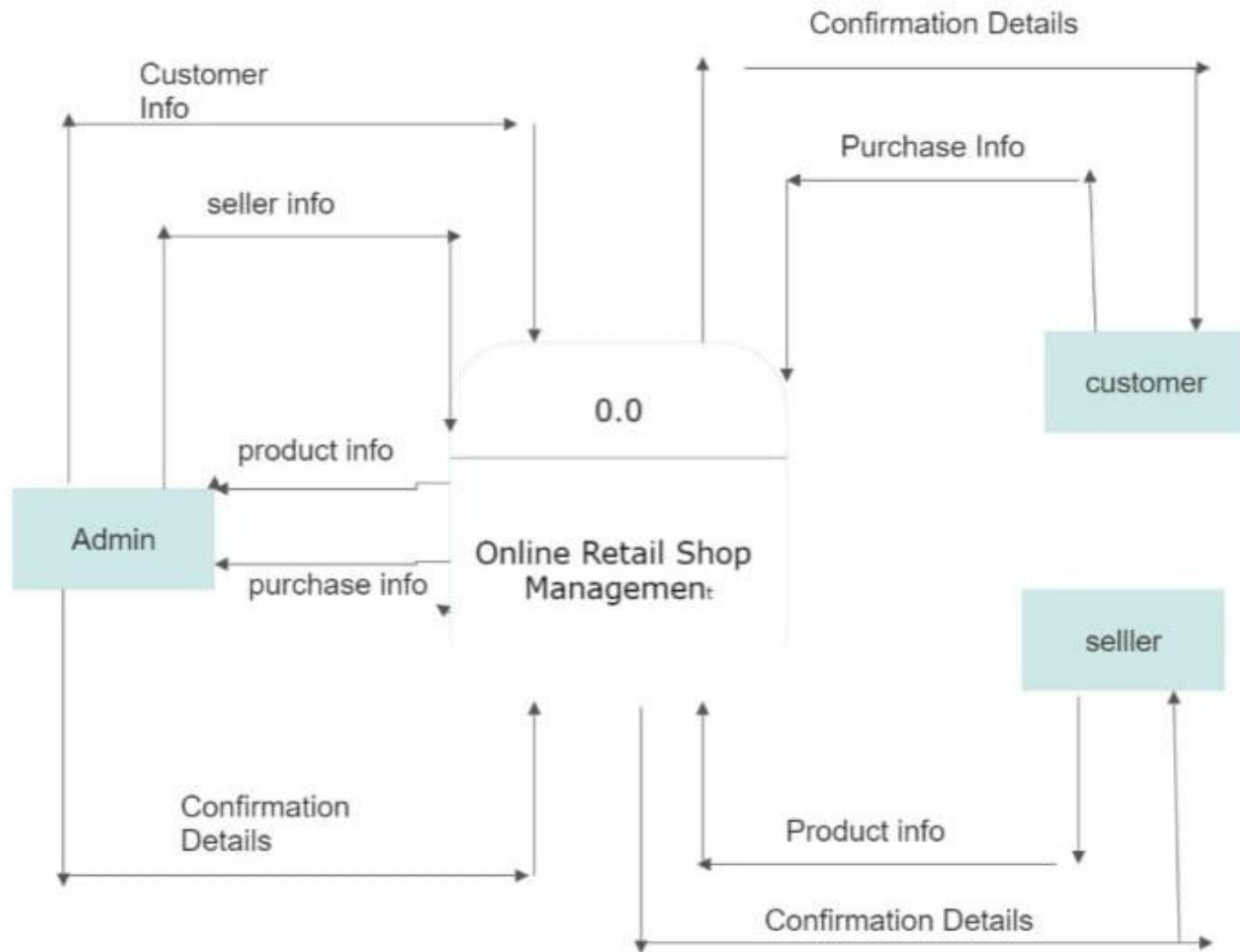


CLASS DIAGRAM



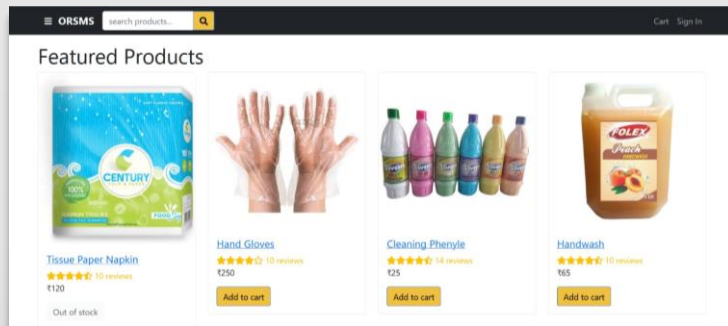
ACTIVITY DIAGRAM



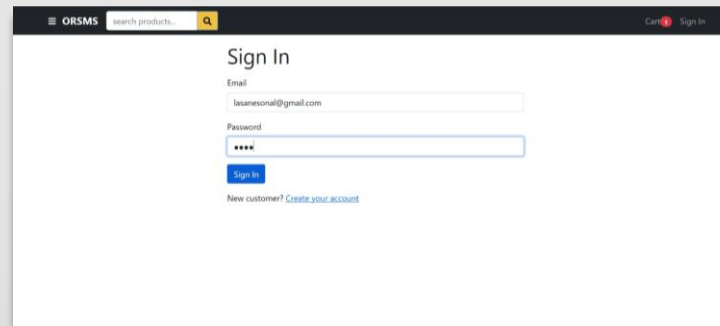


DATA FLOW DIAGRAM

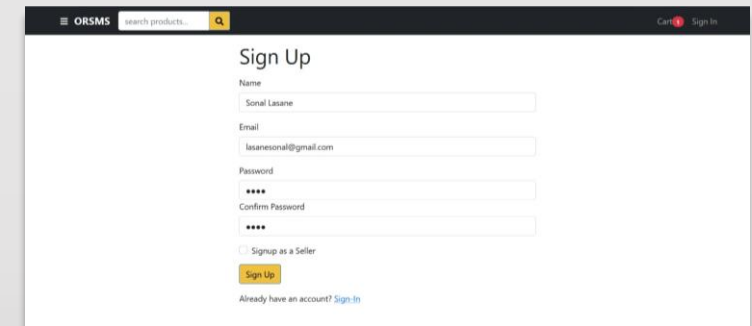
USER INTERFACES



Home Page

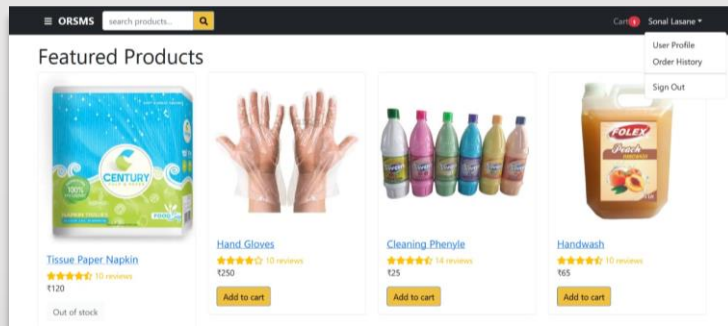


Sign In Page

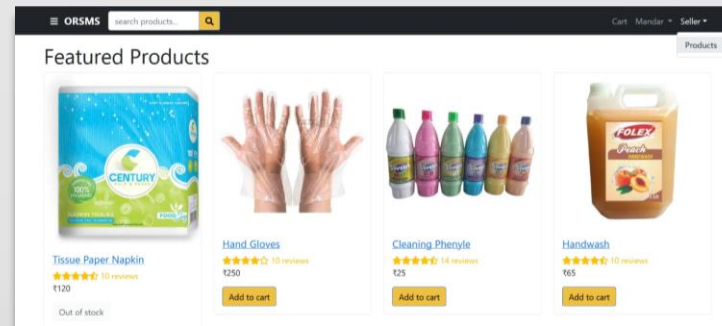


Sign Up Page

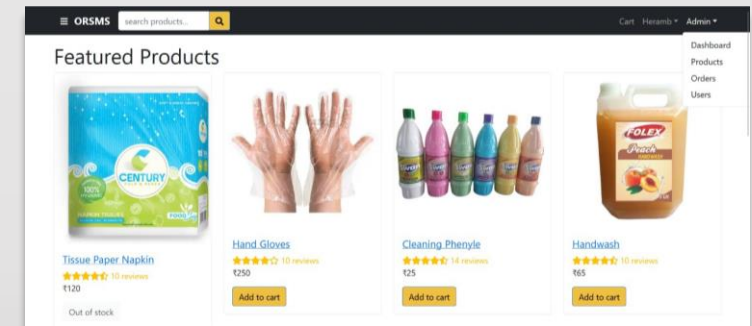
USER INTERFACES



Customer Login

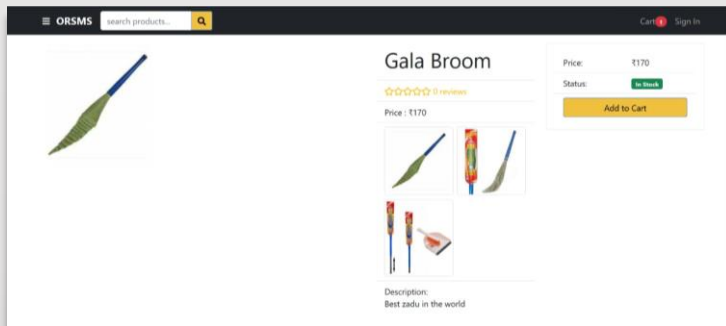


Seller Login

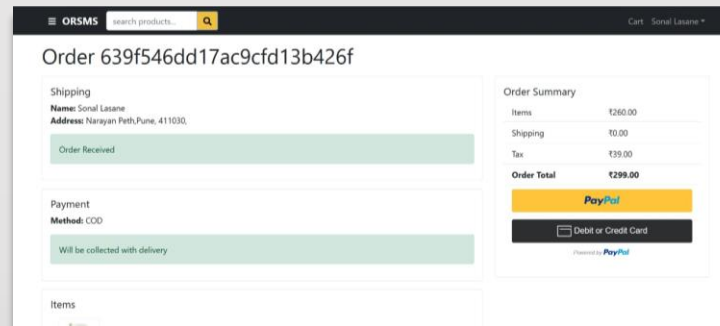


Admin Login

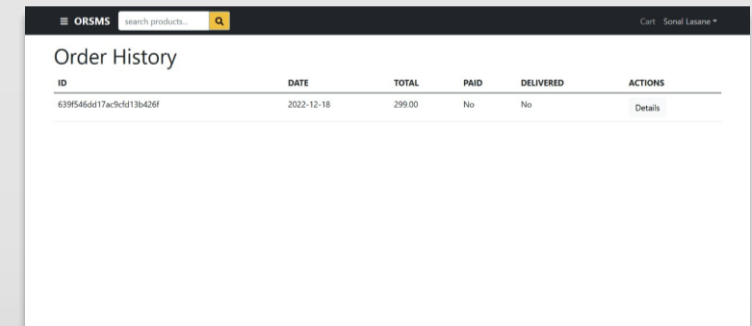
USER INTERFACES



Product Details

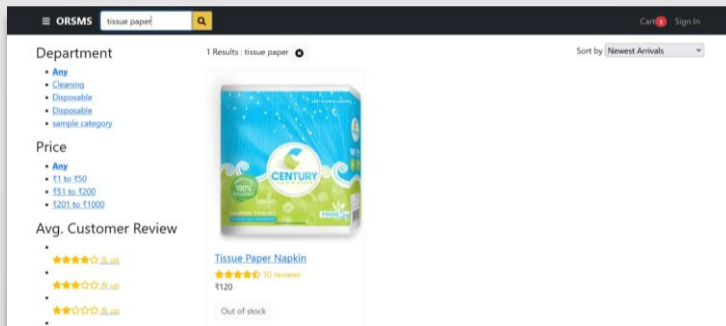


Order Confirmation

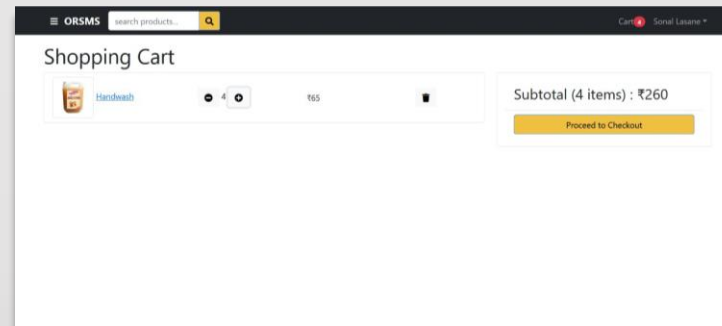


Order History

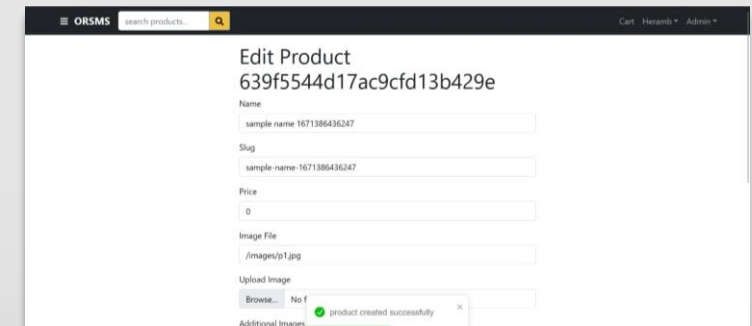
USER INTERFACES



Search/Filter Products

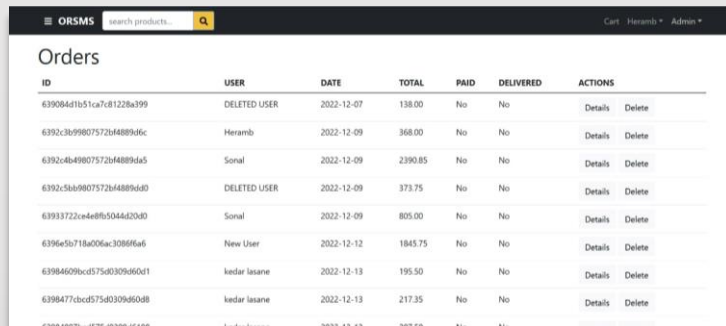


Dynamic Cart



Crate Product

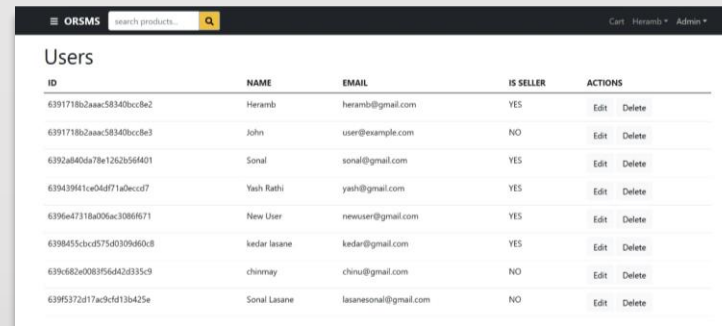
USER INTERFACES



The screenshot shows the ORSMS Admin Login interface. At the top, there is a navigation bar with the ORSMS logo, a search bar, and user profile links (Cart, Heramb, Admin). Below the navigation bar, the main content area is titled "Orders". It contains a table with columns: ID, USER, DATE, TOTAL, PAID, DELIVERED, and ACTIONS. The table lists several orders, including one from a DELETED USER and others from Heramb, Sonal, and New User. Each row has "Details" and "Delete" links in the ACTIONS column.

ID	USER	DATE	TOTAL	PAID	DELIVERED	ACTIONS
639084d1b51ca7c8122ba399	DELETED USER	2022-12-07	138.00	No	No	Details Delete
6392c3b99807572b4889d6c	Heramb	2022-12-09	368.00	No	No	Details Delete
6392c4b49807572b4889da5	Sonal	2022-12-09	2390.85	No	No	Details Delete
6392c5ba9807572b4889da0	DELETED USER	2022-12-09	373.75	No	No	Details Delete
63933722e4e8f6504a420d0	Sonal	2022-12-09	805.00	No	No	Details Delete
6396e5b718a006ac3086f6a6	New User	2022-12-12	1845.75	No	No	Details Delete
63984609bcd57d0309d0d1	kedar lasane	2022-12-13	195.50	No	No	Details Delete
6398477cbcd57d0309d0d8	kedar lasane	2022-12-13	217.35	No	No	Details Delete

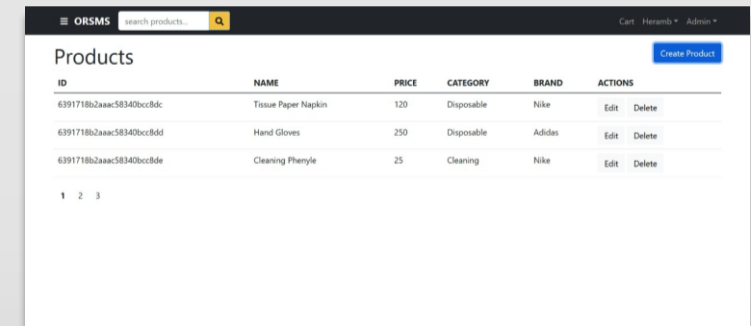
Order List on Admin Login



The screenshot shows the ORSMS Admin Login interface. At the top, there is a navigation bar with the ORSMS logo, a search bar, and user profile links (Cart, Heramb, Admin). Below the navigation bar, the main content area is titled "Users". It contains a table with columns: ID, NAME, EMAIL, IS SELLER, and ACTIONS. The table lists several users, including Heramb, John, Sonal, Yash Rathi, New User, kedar lasane, chinmay, and Sonal Lasane. Each row has "Edit" and "Delete" links in the ACTIONS column.

ID	NAME	EMAIL	IS SELLER	ACTIONS
6391718b2aac58340bcc8e2	Heramb	heramb@gmail.com	YES	Edit Delete
6391718b2aac58340bcc8e3	John	user@example.com	NO	Edit Delete
6392a6406a78e1262b564401	Sonal	sonal@gmail.com	YES	Edit Delete
63943961ce04df71a0eccc7	Yash Rathi	yash@gmail.com	YES	Edit Delete
6396e47318a006ac3086f671	New User	newuser@gmail.com	YES	Edit Delete
6398455bccd57d0309d0d8	kedar lasane	kedar@gmail.com	YES	Edit Delete
639c682e083f56d42d335c9	chinmay	chinu@gmail.com	NO	Edit Delete
639f5372d17achfd13b425e	Sonal Lasane	lasanesonal@gmail.com	NO	Edit Delete

Users' List on Admin Login

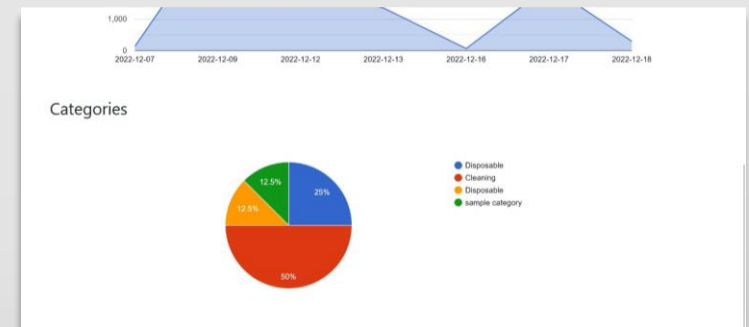
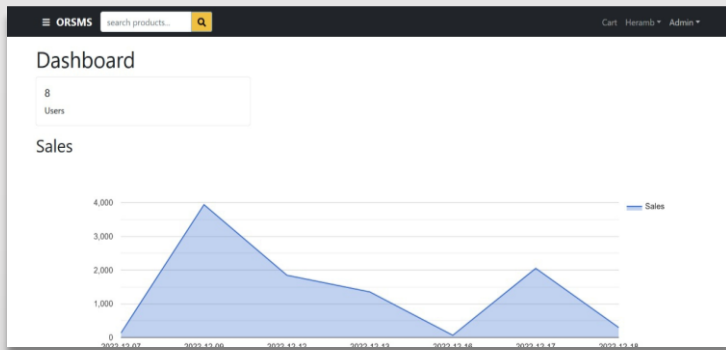


The screenshot shows the ORSMS Admin Login interface. At the top, there is a navigation bar with the ORSMS logo, a search bar, and user profile links (Cart, Heramb, Admin). Below the navigation bar, the main content area is titled "Products". It contains a table with columns: ID, NAME, PRICE, CATEGORY, BRAND, and ACTIONS. The table lists several products, including Tissue Paper Napkin, Hand Gloves, and Cleaning Phenyle. Each row has "Edit" and "Delete" links in the ACTIONS column. There is also a "Create Product" button in the top right corner.

ID	NAME	PRICE	CATEGORY	BRAND	ACTIONS
6391718b2aac58340bcc8dc	Tissue Paper Napkin	120	Disposable	Nike	Edit Delete
6391718b2aac58340bcc8dd	Hand Gloves	250	Disposable	Adidas	Edit Delete
6391718b2aac58340bcc8de	Cleaning Phenyle	25	Cleaning	Nike	Edit Delete

Products' List on Admin Login

DASHBOARD INTERFACES





LIMITATIONS

- The size of the database increases day-by-day, increasing the load on the database backup and data maintenance activity.
- Training for simple computer operations is necessary for the users working on the system.
- Cyber-crimes are increasing day by day, so advanced data security is needed to implement.
- It is concluded that there would be a need of an independent platform where the orders in specific area (based on pin-code) are listed. These orders can be allocated to respective delivery persons in the same area.
- Huge shipping cost expenditure to deliver those products to their end users.



FUTURE ENHANCEMENTS

- This System being web-based and an undertaking of the Cyber Security Division, needs to be thoroughly tested to find out any security gaps.
- Multiple payment options including Unified Payments' Interface (UPI), Net Banking, etc. can be provided in more efficient and secure way.
- An order can be tracked more efficiently and real-time using an independent platform that handles order delivery for this platform.



CONCLUSION

- ORSMS is designed for better experience & to avail an 'Ease of Doing Business' to user. No need to download it manually through anonymous websites. This platform can be feasible for any person who does job or business full day. This platform is also useful for MSMEs, startups, etc.
- Security is maintained as the complete regional control of the system is maintained so that no malware can affect any one of the users' Mobile or Computers. This platform will help publisher to avoid misuse of their products and data corruption.
- Also this platform will produce many job opportunities, as it will need huge manpower for delivering & tracking products, business and commerce-related operations, etc.



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THANK YOU...