

JODHPUR INSTITUTE OF ENGINEERING & TECHNOLOGY
COMPUTER SCIENCE AND ENGINEERING

IDEATHON

Reckon 4.0

Team Name – TECHENS





PROBLEM STATEMENT

INVENTORY PROBLEMS IN SMALL BUSINESSES LIKE INCONSISTENT TRACKING, WAREHOUSE EFFICIENCY, INACCURATE DATA, CHANGING DEMAND, LIMITED VISIBILITY, SUPPLY CHAIN COMPLEXITY, INSUFFICIENT ORDER MANAGEMENT, OVERSTOCKING.

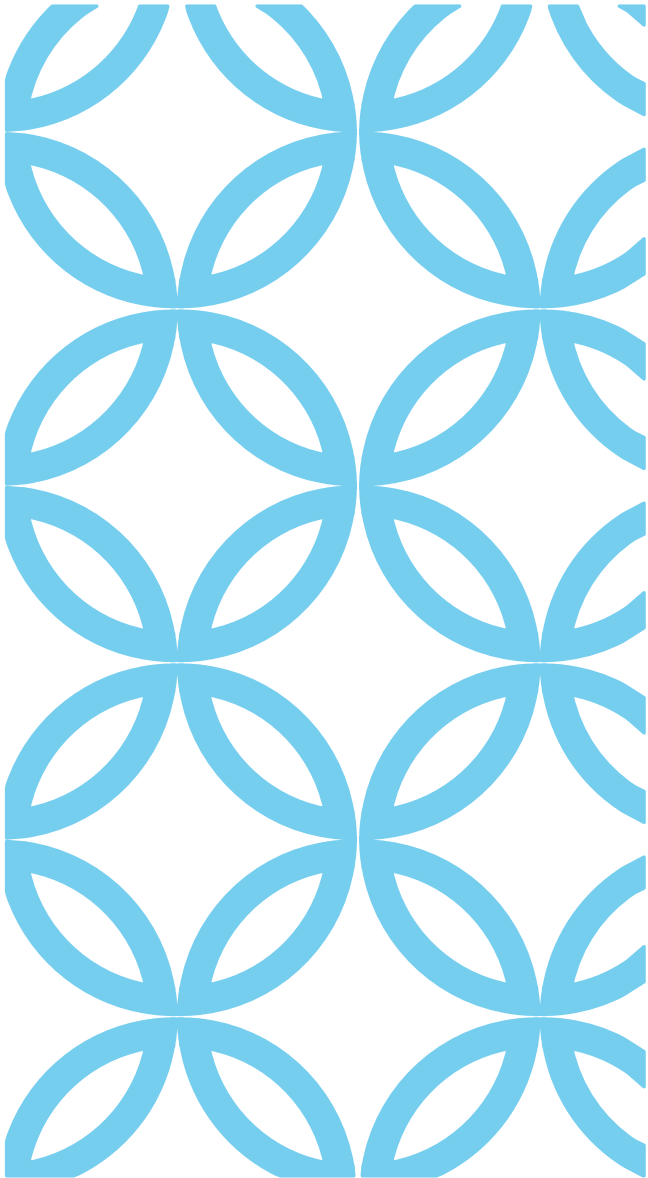
Domain – Enterprise Resource Planning (ERP)



SOLUTION:

- Our solution is mainly focused on reducing the manpower and time required in small businesses.
- The very first functionality of our web application is to manage the inventory for any business and make it work easier.
- Secondly, we are automating the restocking process by connecting the wholesalers and the shop owners.

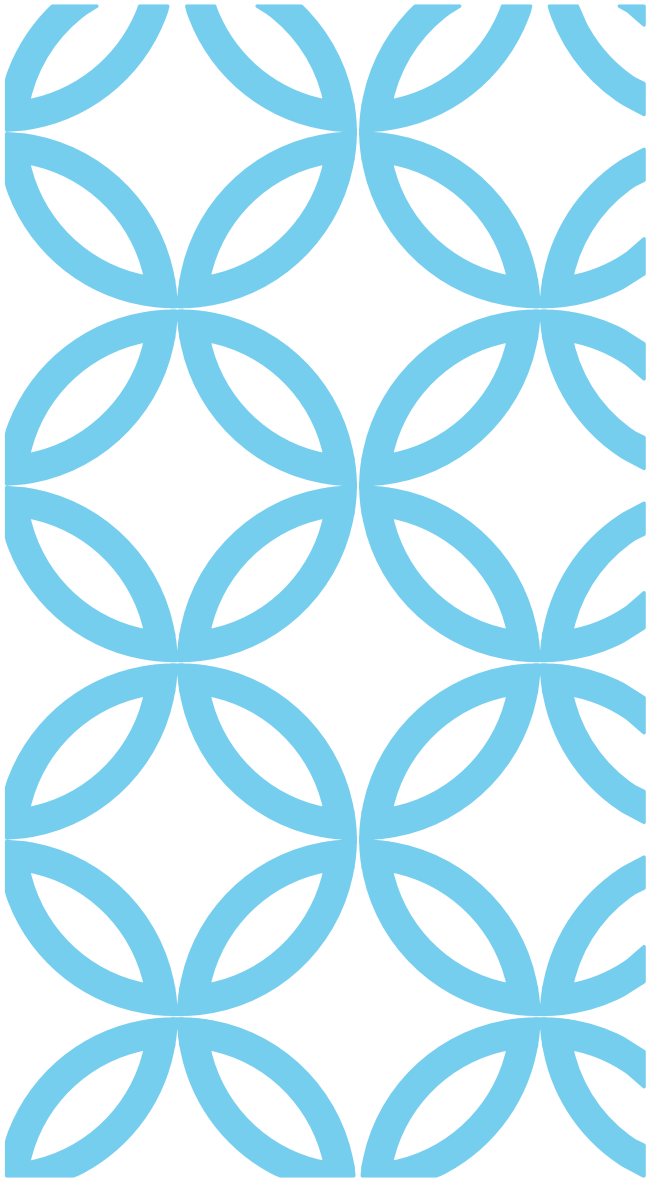
PROJECT NAME: STOREAL



SOLUTION DESCRIPTION

“Inventory couldn’t get better”

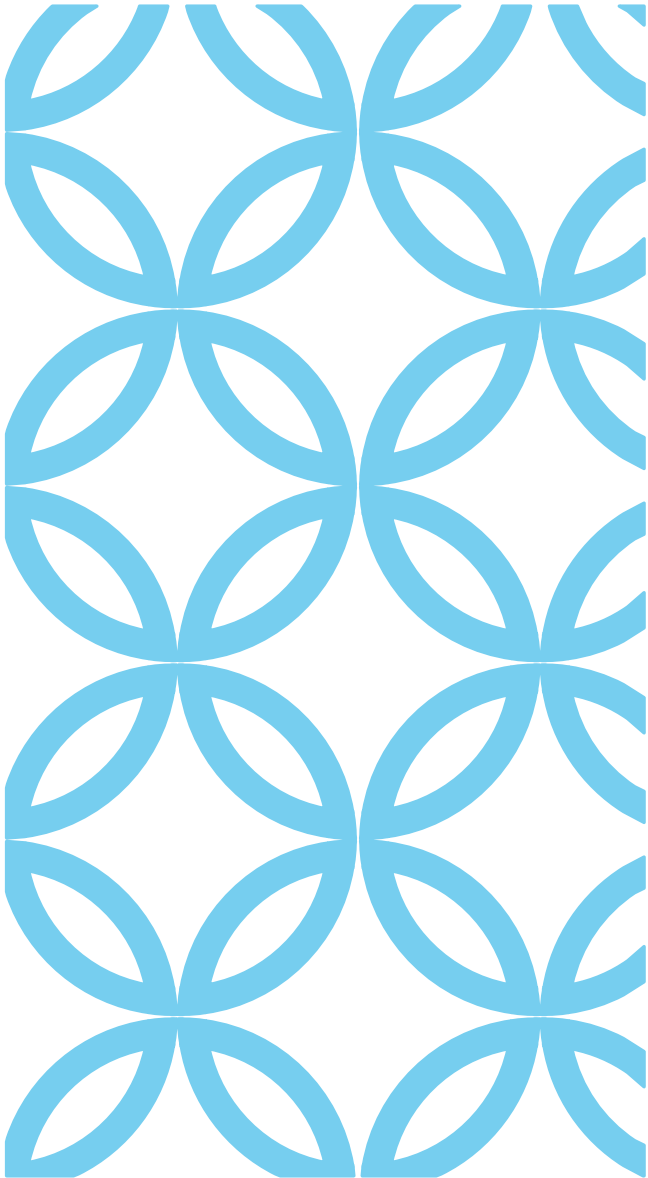
- Our web application includes two types of users: Shop owners and Wholesalers.
 - The shop owners will have to register themselves on our applications specifying their regular wholesaler.
 - We will get all the wholesalers register so that the shop owners are able to find their wholesaler in the wholesaler list.
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- Initially, the shop owners will have to mention all the items along with their current quantity as well as the minimum quantity to be maintained in the inventory.



SOLUTION DESCRIPTION

“Inventory couldn’t get better”

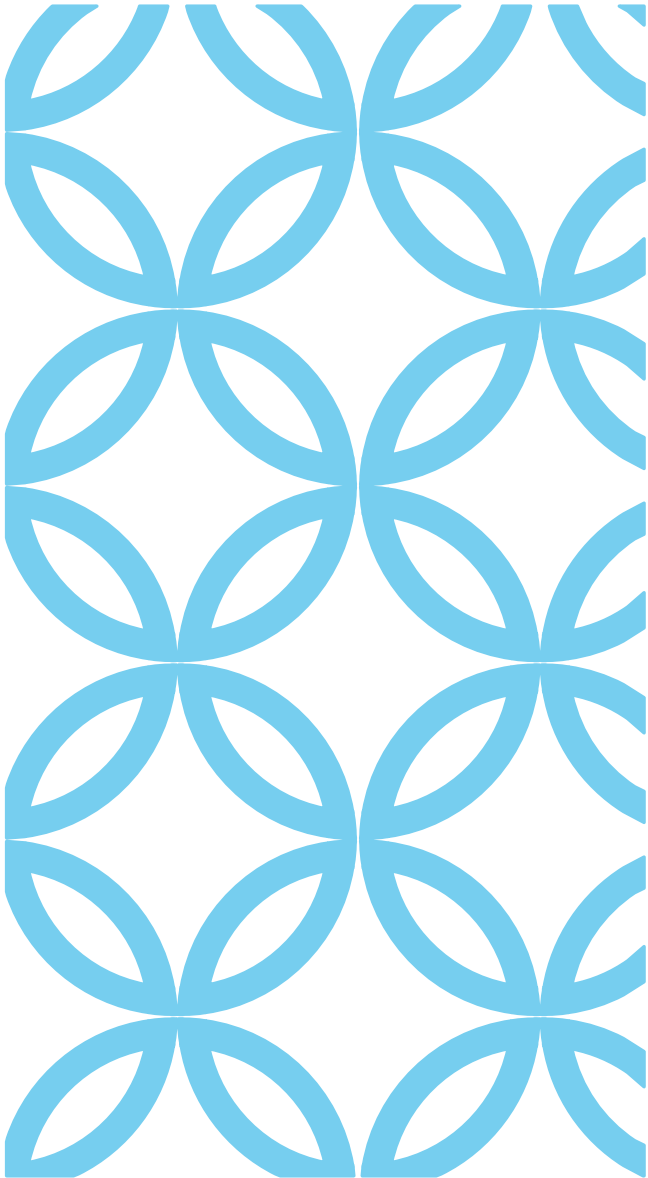
- Now, each time an item is sold, the shop owner will have to scan the Barcode of that item using the barcode scanner connected to the system.
 - By doing this, the quantity of the sold item gets reduced by 1 and if the quantity reaches the minimum limit, then a notification is sent to the selected wholesaler.
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- The wholesaler sends a request to the owner asking for confirmation of the order. The owner accepts or rejects according to his needs.



SOLUTION DESCRIPTION

“Inventory couldn’t get better”

- If the owner accepts the request, he has to mention the quantity to be delivered for restocking and the wholesaler gets the required quantity delivered.
 - Once the shop owner confirms the delivery, the current quantity of the delivered item gets updated.
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- If the selected wholesaler is not having any particular item for restocking, then the owner selects a different wholesaler to get that item delivered.



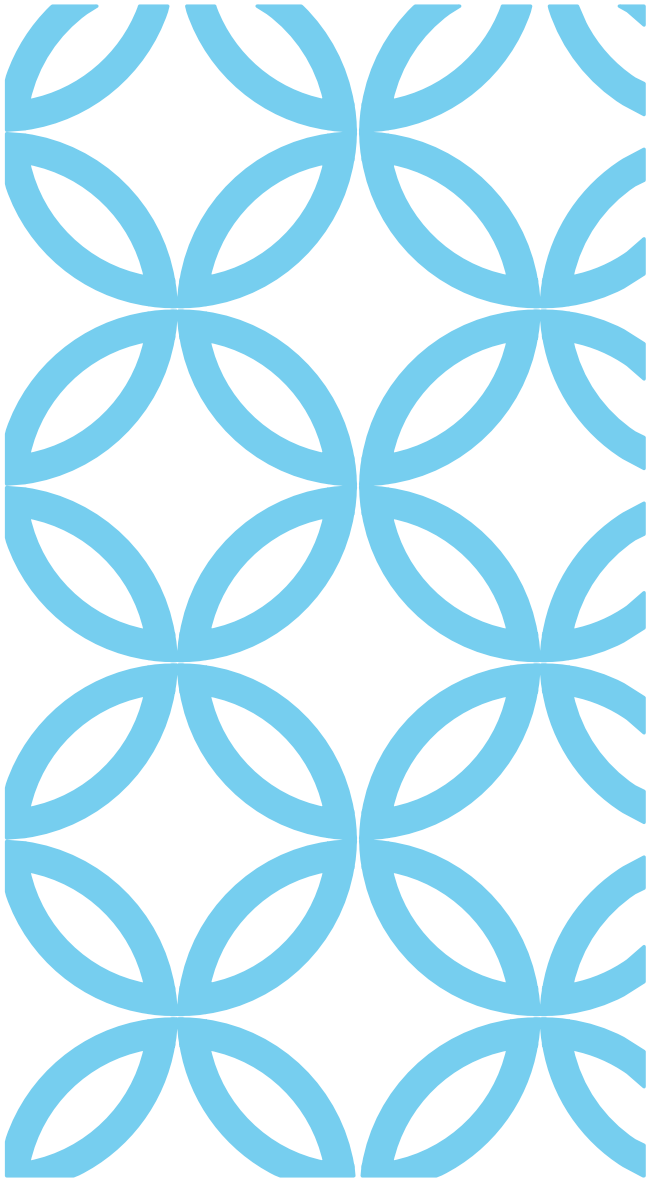
- Direct connection between shop owners and wholesalers
- Delivery from selected wholesaler
- Choice between different wholesalers
- Automatic ordering to wholesaler
- Updation of current quantity on the basis of minimum quantity

FEATURES



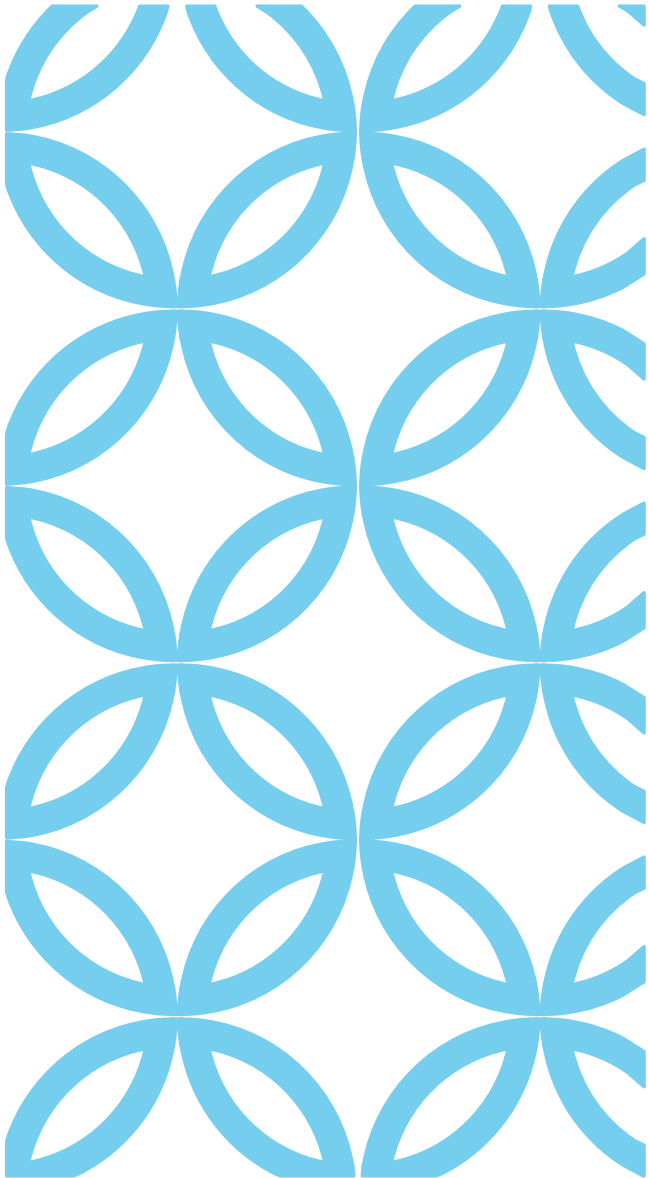
BUSINESS MODEL

- Our web applications is a subscription based product which provides three different subscription plans based on the number of items in inventory.
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- There will also be an ad revenue generated from the wholesalers if they want themselves to be on the top of the list.



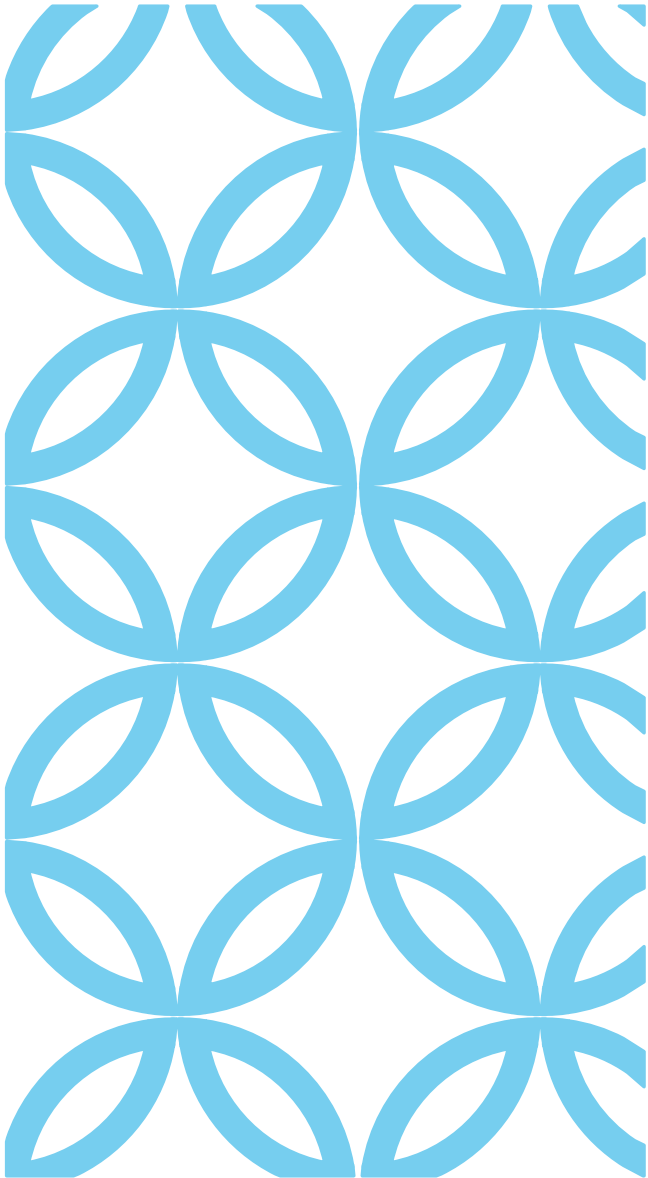
- Most of the existing inventory management systems target large businesses and companies but our web application is mainly focused on small businesses.
- Secondly, the existing systems charge an amount which is not affordable by local shop owners and businessmen but our subscription plans are available at an affordable price.
- The user interface of our web application is easily understandable by anyone using it.

UNIQUENESS OF THE APPLICATION



- HTML
- CSS
- JavaScript
- Java
- Bootstrap
- MySQL
- MongoDB
- Some APIs

TECHNOLOGY USED



- Automatic ordering service
- Save time and manpower
- Simple user interface
- Supports all regional languages
- Very less cost of operation
- Customer service

ADVANTAGES OF OUR APP

THANK YOU.

