

**A PROJECT  
ON**

**Enterprise Management System for  
Furnishing Industry**

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**System Analysis and Design**

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## “Enterprise Management System for Furnishing Industry”

### Problem Definition

Furnishing Industry is mainly unorganised market and so is there accounting system. Basically talking about the wholesale distributors there is a vast need to organise their paperwork and accounting system so to make the work easy. With lots of inventory, customer both Retail and Wholesale. Moreover the business is customer oriented that means customised comfort option are also provided to the customers based on their requirement. So to maintaining this is a very tedious task. To make this task easy we hereby propose “Business Management System for Furnishing Industry”

### Objective

It will help to keep in sync all the activities of the firm. This may span from maintaining the customer and vendor database to maintaining the records of purchase and sales bills. For the smooth functioning and having growth of the business it is at most important for the organisation to have such an advanced and easy to use system.

### Project Scope

Furnishing industry itself has very large scope in terms of its work order. As it is partly unorganised sector there is strong need to digitise it and make it paperless. There are various people included in the entire process. This system basically solves the problem for furnishing industry distributors. They Purchase goods from their vendors and sell them to other B2B Clients as well as to retail customers. The entire work flow takes place at the single showroom and multiple warehouses. Here the owner is responsible for viewing all the data and make business decision. Whereas accountant is responsible to maintain all the purchase and sales invoices being in synchronisation with sales details. This would help to maintain the inventory and other important statistics. Moreover the Dealer (Wholesale Clients) are also entitled to view their purchase statistics with the distributor.

### Functional Requirement

1. Login
2. Customer Management
3. Dealer Management
4. Vendor Management
5. Inventory Management
6. Invoicing
7. Task Management

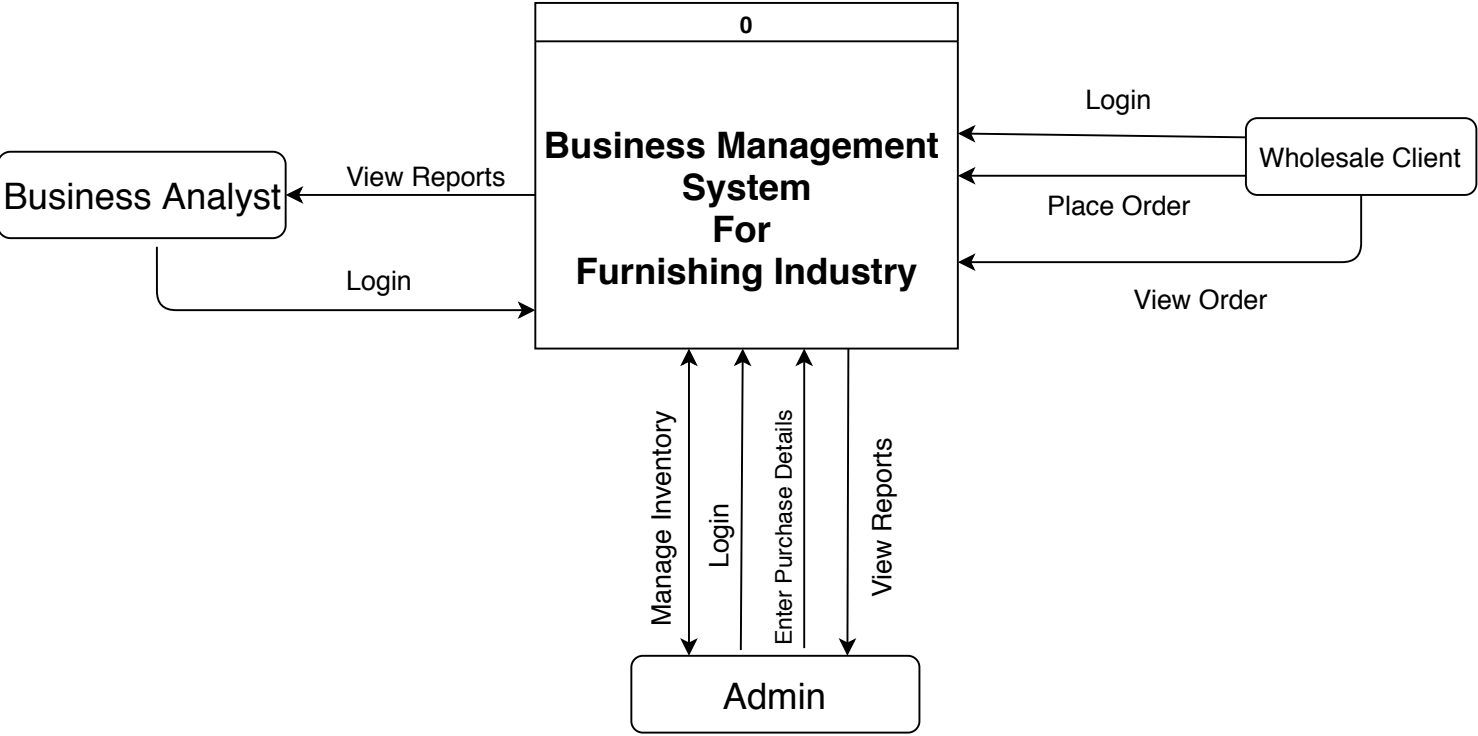
## User Characteristics

People using this system:

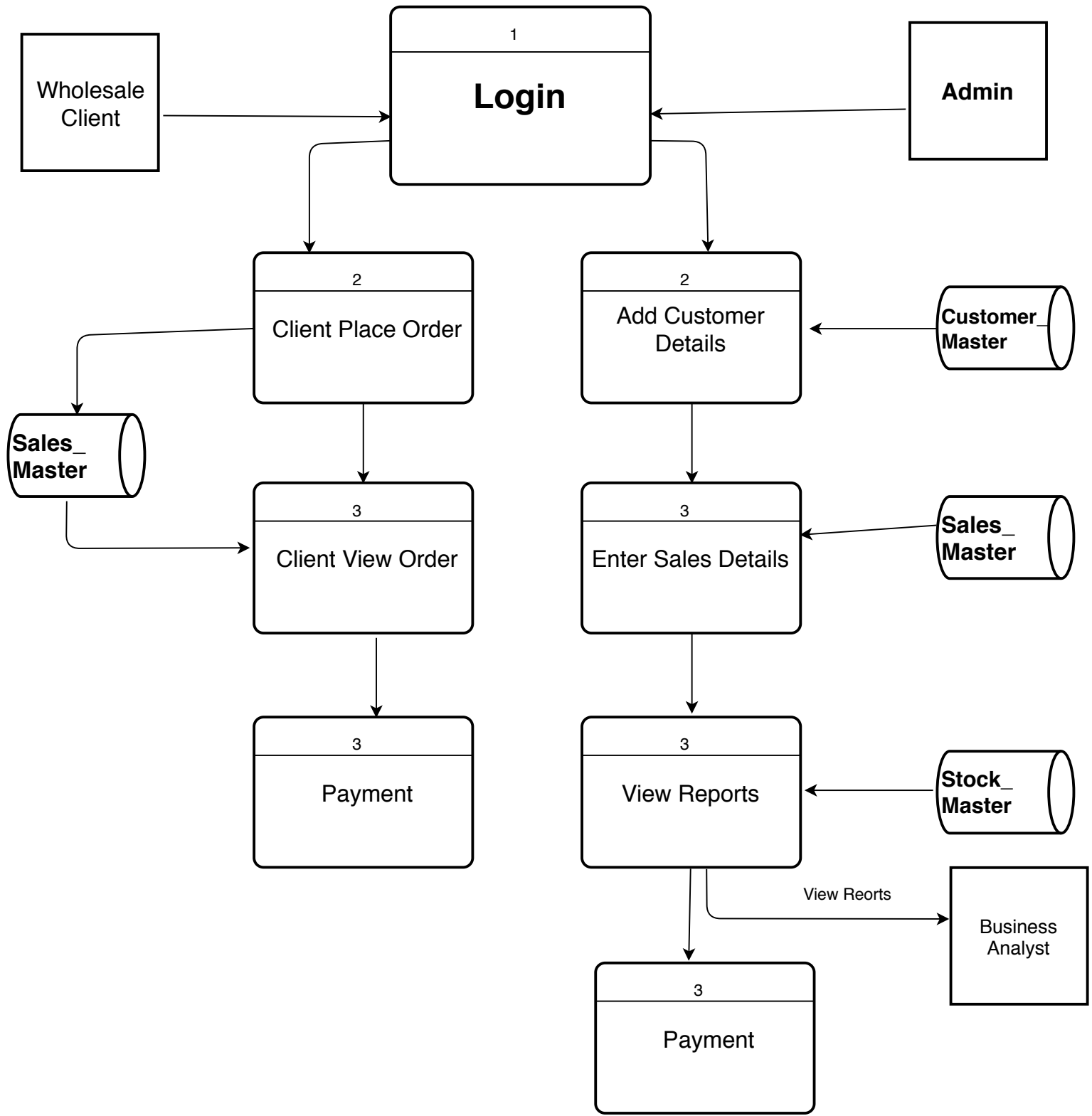
- ✓ Owner/CEO
- ✓ Accountant/Manager/Business analyst
- ✓ Clients – Dealers (B2B)

# Context Level Data Flow Diagram

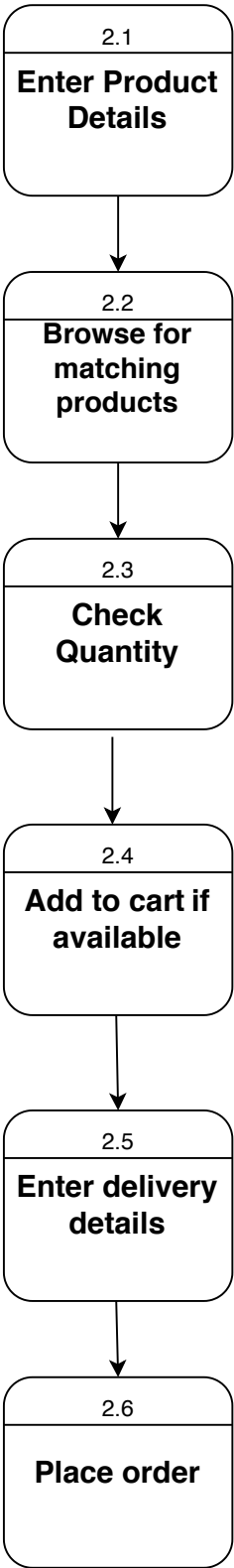
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# Zero Level Data Flow Diagram



1st Level Data Flow diagram for Online order by Wholesale Client



Sr.No	Event	Trigger	Source	Activity	Response	Destination
1	Click on login	To open dashboard	User	Display Dashboard	Form Open	User
2	Click on place order	To open products details	User	Display Product list	Form Open	User
3	Click on add to Cart	Check for quantity	User	Product Added to cart if available	Get notified	User
4	Click on place order	To place order	User	Place order	Get notified	Admin
5	Click on view order	view order	System	Open details of placed order	Open report	User
7	Click on Target Status	check for Target status of particular client	System	Generate report of target achievement by user	Open report	User
8	Click on Track Order	know current status of order	System	Generate report on current status of order	Open report	User
9	Click on feedback	To send feedback	User	Give Feedback	-	System
10	Click on payment button	To make payment	User	Payment by card / Cash / Net Banking	Form Open	System
11	Click on logout Button	Exit from Dasboard	User	Logout	Form Close	System

## Questionaries :

1. How many user will use this system ?
2. What is budget of your system ?
3. Is verification required for user login ?
4. Is there any need of any security ?
5. Do you need live chat facility ?
6. Do user can give feedback ?
7. Do you want to allow users to manage their profiles themselves ?
8. Under what area your system will work ?
9. Do you want to publish the system publish to all or specific user (Online or Desktop)
10. Who will maintain all the details ?
11. Do you priotise your order based on customer ?
12. On what basis do you give preference to your customer ?

13. Which special service do you want to give to your preferred clients ?
14. Which type of functionality you want to add in your system ?
15. What kind of details should client provide ?
16. Is there any need of target functionality ?
17. What would be the work of your administrator ?
18. Do you want to add complaint form for the user ?
19. Would you like users signup with other accounts ?
20. Do you want contact us page ?



## Process Specification Forms

Process Specification Form	
Number	: 2.0
Name	: payment
Description	: to pay for the goods purchased.
<b>INPUT DATA FLOW</b> total amount of goods added to bill	
<b>OUTPUT DATA FLOW</b> update the payment status for particular client	
<b>TYPE OF PROCESS</b> <input type="checkbox"/> ONLINE <input type="checkbox"/> BATCH <input checked="" type="checkbox"/> MANUAL	
<b>PROCESS LOGIC</b>  IF the <b>AMOUNT</b> is <u>payed</u> THEN update the status of payment  Else display status as pending	
<b>REFER TO : NAME</b> <input checked="" type="checkbox"/> STRUCTURED ENGLISH <input type="checkbox"/> DECISION TABLE <input type="checkbox"/> DECISION TREE	
<b>UNRESOLVED ISSUES:</b>	

<b>Process Specification Form</b>	
<b>Number</b>	: <u>2.1</u>
<b>Name</b>	: <u>Registration Verification</u>
<b>Description</b>	: <u>To verify Registered Details</u>
<b>INPUT DATA FLOW</b>	
Dealer GST Number	
<b>OUTPUT DATA FLOW</b>	
Update the Client as "Tax Payee"	
<b>TYPE OF PROCESS</b>	
<input checked="" type="checkbox"/> <b>ONLINE</b> <input type="checkbox"/> <b>BATCH</b> <input type="checkbox"/> <b>MANUAL</b>	
<b>PROCESS LOGIC</b>	
<div style="margin-left: 20px;"> <b>IF</b> GST Number verified online                          Then Set Client Category as "Tax Payee"                 </div> <div style="margin-left: 20px; margin-top: 10px;"> <b>Else</b>                          <b>Alert</b> "GST Number Not found"                 </div>	
<b>REFER TO : NAME</b>	
<input checked="" type="checkbox"/> <b>STRUCTURED ENGLISH</b> <input type="checkbox"/> <b>DECISION TABLE</b> <input type="checkbox"/> <b>DECISION TREE</b>	
<b>UNRESOLVED ISSUES:</b>	

## Data Dictionary

1) Login\_Master =

UserID+  
Password

2) Product\_Master =

Pid+  
Pname+  
cid+  
price\_72\_36+  
purchase\_price\_72\_36

3) Customer\_Master=

CusID+  
Cus\_Name+  
Cus\_Phone+  
Cus\_Address+  
Cus\_Address+  
Cus\_Region+

4) Dealer\_Master=

Dealer\_ID+  
Firm\_Name+  
Contact\_Person+  
Dealer\_Address+  
Dealer\_Group+  
Dealer\_Region+  
Gst\_Number

## 5) Bill\_Master=

Category+  
invoice\_date+  
invoice\_id +  
cus\_id +  
cus\_name+  
comp\_name+  
product\_name+  
length +  
width +  
height+  
rate +  
quantity+  
total discount+  
net\_amt

## 6) Payments=

Category+  
Invoice\_id +  
Netamt +  
recdamt +  
balanceamt

## 7) Stock=

invoice\_date+  
invoiceid +  
vendorid +  
vendorname +  
company +  
product\_name +  
length +  
width +  
height\_MM +  
purch\_price +

rate +  
quant+  
netamt +  
upi +  
godownS

## Input Forms

### ✓ Login Form

The screenshot displays the login and sign-up interface for the MAHADEV FOAM AND FURNISHING BUSINESS MANAGEMENT SYSTEM. The interface is split into two main sections: a login form on the left and a sign-up form on the right, both set against a dark blue background.

**MAHADEV FOAM AND FURNISHING**  
BUSINESS MANAGEMENT SYSTEM

**Sign Up**

**USERNAME**  
Enter your username

**PASSWORD**  
.....

**ADMINISTRATOR ID**  
Enter administrator ID

**ADMINISTRATOR PASSWORD**  
.....

**LOGIN**

**SIGN UP**

### ✓ Dealer Details Entry Form

The screenshot shows a 'Dealer Modification' window with various input fields for dealer information. The fields are arranged in a vertical list on the left, with corresponding input boxes on the right.

Dealer ID:- 1

Firm Name:- New besto furnishing

Contact Person Name:- Rakesh bhai

Contact Number:- 7412589630

Address:- Bhagal char rasta

Dealer Group:- Refresh

Region:- bhatar

TIN CST:- 8564123555

TIN GST:- 8564123554

**Add Dealer** **Delete** **Dealer update** **Back**

## ✓ New Sales Invoice Entry

Date:-

22/4/01 7:08 AM

Customer/dealer Id:-

1

Open Customer Portal

Invoice Id:-

1

☐ WHOLESALE
 ☒ RETAIL

Customer Name:-

Viraj Thakkar

Select company:-

Kurlon

Select Product:-

Joy

Select Size:-

Length in inches

78

Width in inches

78

Height in MM

100

UPI:-

1

Rate:-

11548

Quantity:-

2

Available quality:-

8

Total:-

Discount (%):-

NET AMOUNT:-

SAVE

BACK

Invoice Id:-

1

Customer Id:-

1

Invoice Date:-

2001-04-22

Customer Name:-

Viraj Thakkar

Customer Address:-

c/303 Nest View appt.

Customer Phone:-

8469908856

Comp_Name	Product...	Length	Width	Height (in mm)	Rate	Quantity	Total	Discount %	Net Amount
Sleepwell	joy	78	78	100	11548	2	23096	15.00	19632
Sleepwell	oxyfresh	78	78	100	22674	2	45348	20.00	36279

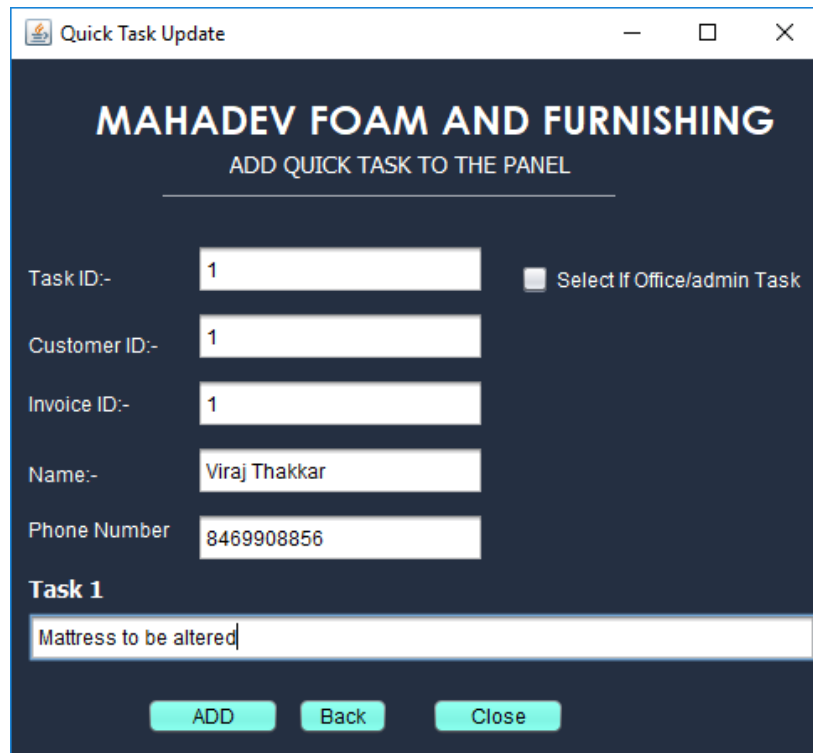
Total

55911

Add to collection list

Pls. Add this Bill Details to Payments

## ✓ Task Panel



**MAHADEV FOAM AND FURNISHING**  
ADD QUICK TASK TO THE PANEL

Task ID:- 1 ☐ Select If Office/admin Task

Customer ID:- 1

Invoice ID:- 1

Name:- Viraj Thakkar

Phone Number 8469908856

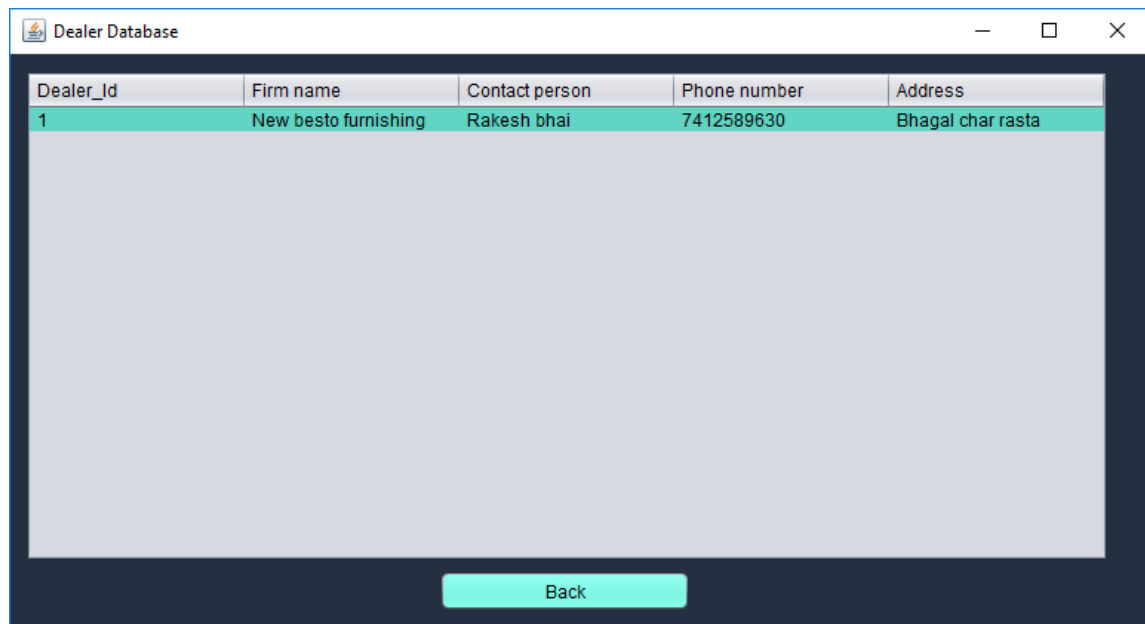
**Task 1**

Mattress to be altered

ADD Back Close

## Output Forms

### ✓ Dealer Database



Dealer_Id	Firm name	Contact person	Phone number	Address
1	New besto furnishing	Rakesh bhai	7412589630	Bhagal char rasta

Back

### ✓ Stock Report



MAHADEV FOAM AND FURNISHING  
STOCK REPORT

Pls. select appropriate UPI from the list given for Sleepwell oxyfresh 78 x 78 x 100.

Godown	UPI	Quantity
Althan	1	10

Close

## ✓ Yearly Bill Log

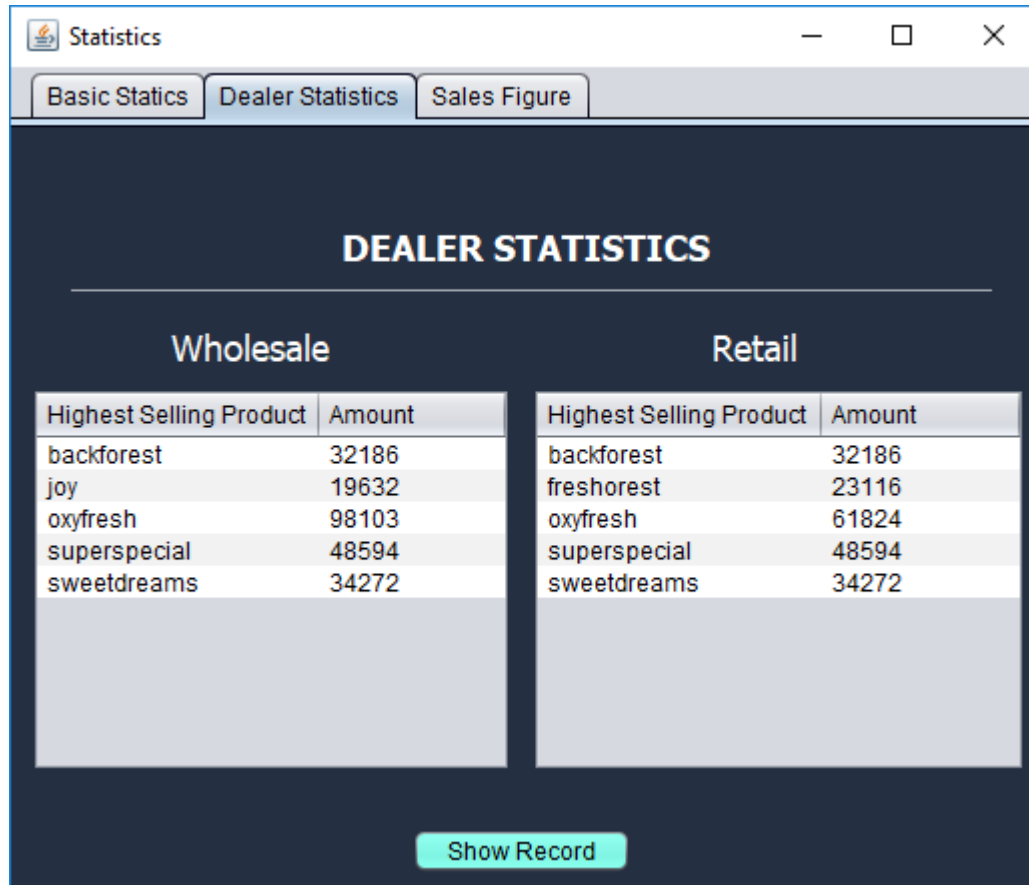
Yearly Bill

Retail Show Log

Invoice ID	Date	Customer ID	Name	Contact Number	Net Amount
1	2001-04-22	1	Viraj Thakkar	8469908856	106605
3	2007-05-14	4	nilam	982516655	48594
4	2006-02-16	5	disha	9727266553	45402
5	2007-12-25	6	ramjii	7932144551	32186

Back

## ✓ Statistics



The screenshot shows a software window titled 'Statistics' with three tabs: 'Basic Statics', 'Dealer Statistics' (selected), and 'Sales Figure'. The 'Dealer Statistics' tab displays two tables side-by-side, one for 'Wholesale' and one for 'Retail'. Both tables list the 'Highest Selling Product' and the corresponding 'Amount'. The data is identical for both channels. Below the tables is a 'Show Record' button.

Wholesale		Retail	
Highest Selling Product	Amount	Highest Selling Product	Amount
backforest	32186	backforest	32186
joy	19632	freshorest	23116
oxyfresh	98103	oxyfresh	61824
superspecial	48594	superspecial	48594
sweetdreams	34272	sweetdreams	34272

Show Record