

SOOAD PROJECT

Developer Team-

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INTRODUCTION

- The software is developed for the management of VK Steels.
- This presentation gives the overview of the developed software.

Traditional System

- Originally, the distributor had to maintain a sales register, a purchase register and create an invoice bill manually.
- The problems that arised were
 1. Data redundancy
 2. Poor management of information related to storage, transactions.

Purpose of Software

- The software developed will eliminate the problems that were faced with the traditional system.
- Using this software, the distributor can operate from his home with his convenience.
- It eliminates the usage of files and registers as the entire database can now be stored in the system.

Purpose of Software

- Client need not provide all his details every time he places an order. If the client name is already present in the database, all his details will automatically appear.
- The database is updated as soon as Client places an order and all the tax computations are done by the system. This saves a lot of time of the distributor.

TECHNICAL SPECIFICATIONS

- Java has been used as the programming language.
- NetBeans has been used as the Integrated Development Environment.
- SQLite has been used to create the database for the system.
- NetBeans swing is used to create the GUI for the software.

DATABASE

- The database has been created using SQLite.
- JDBC connections have been made to connect the database and the system.
- The database created is using the concept of Relational Database Management System.
- It consists of tables to store the various kinds of data.
- Accordingly, various tables have been created.

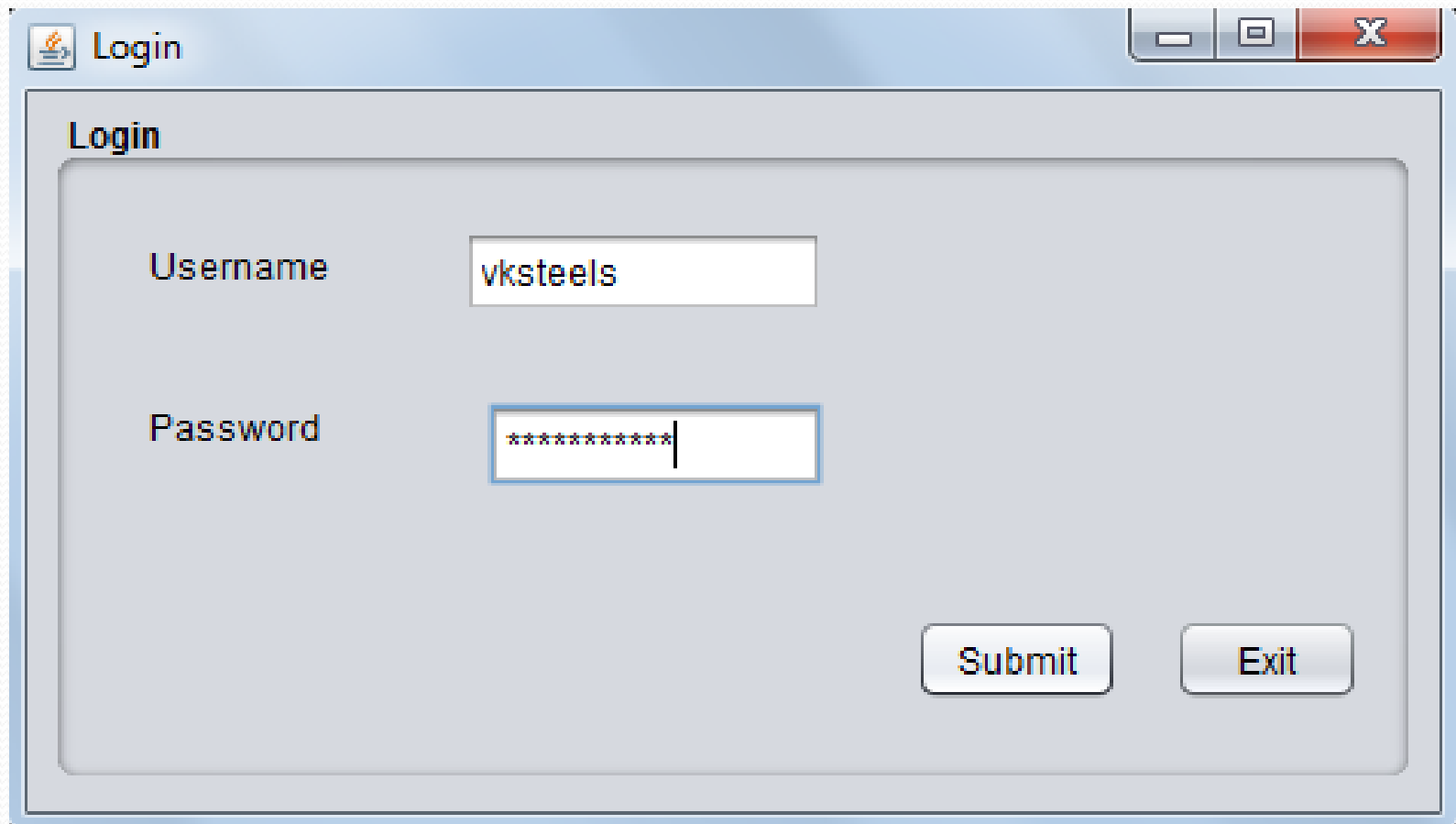
DATABASE

- Structured query language is used to access and modify the database.
- 4 tables have been created for storing client details, order details, maintaining sales database, purchase database.

SOFTWARE OUTPUT

- This section covers the functionality of various phases in the software.
- Screenshots have been posted for better understanding.

- The software starts with a login page. The distributor just needs to enter the username and password and click submit in order to log in to the system.

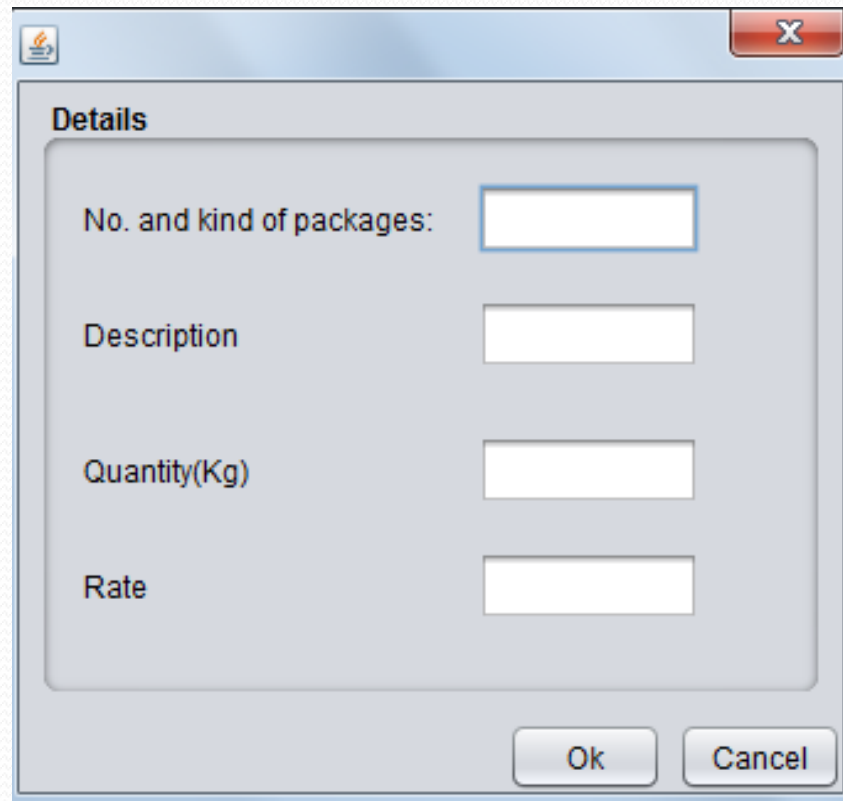


The image shows a web browser window with the title 'Login'. Inside the window, there is a login form. The form has two input fields: 'Username' and 'Password'. The 'Username' field contains the text 'vksteels'. The 'Password' field contains masked characters '*****'. Below the input fields, there are two buttons: 'Submit' and 'Exit'.

The screenshot shows a web application window with a light blue header and a white background. The window is divided into two main sections: 'Customer details' on the left and 'Orders' on the right. The 'Customer details' section contains four input fields: 'Customer name:' (a single-line text box), 'Customer Address:' (a multi-line text area), 'VAT TIN:' (a single-line text box), and 'CST NO.:' (a single-line text box). The 'Orders' section contains a large empty rectangular box, three buttons ('Add', 'View', 'Delete') stacked vertically to its right, and a 'Deadline' label with a single-line text box below it. At the bottom of the window, there is a horizontal bar with five buttons: 'Log Out', 'View purchase', 'Add purchase', 'View Orders', and 'Add order'.

- This page is displayed after the distributor logs in to his profile. It is used to display a Menu through which he can add a client's details and the items ordered by him. If the client details are already stored in the database then they will automatically be added in the textboxes once the same clients name is typed and the distributor presses the Enter Key.

- This is the page displayed when the client wishes to place an order by clicking on the add button in the orders panel. The no and kind of the package, description of the material, its quantity and rate are confirmed with the client and added by the distributor.



The image shows a software dialog box titled "Details". It contains four text input fields arranged vertically. The labels for these fields are "No. and kind of packages:", "Description", "Quantity(Kg)", and "Rate". At the bottom right of the dialog box, there are two buttons labeled "Ok" and "Cancel". The dialog box has a standard Windows-style title bar with a close button (X) in the top right corner.

• This smaller page on the left hand side pops out if the distributor clicks on the view button in the orders panel. It is also possible to delete an order by clicking on the delete button. The deadline before which the order has to be transported to the client has also to be specified. When the Log Out button is pressed, the user should be logged out of the system i.e. the login page must reappear.

The screenshot displays a software interface with a 'Details' dialog box and an 'Orders' panel. The 'Details' dialog box is open, showing fields for 'No. and kind of packages' (value: 2), 'Description' (value: steel), 'Quantity(Kg)' (value: 25), and 'Rate' (value: 500.0). It includes 'Ok' and 'Cancel' buttons. The 'Orders' panel in the background shows a list of orders: 'Order 1' and 'Order 2'. To the right of the list are 'Add', 'View', and 'Delete' buttons. Below the list is a 'Deadline' field. At the bottom of the interface are buttons for 'Log Out', 'View purchase', 'Add purchase', 'View Orders', and 'Add order'.

Details	
No. and kind of packages:	2
Description	steel
Quantity(Kg)	25
Rate	500.0

Buttons: Ok, Cancel

Orders	
Order 1	Add View Delete
Order 2	

Deadline:

Buttons: Log Out, View purchase, Add purchase, View Orders, Add order

- This message pops up when you click on the add order button which indicates that the order has been added to the sales database.

The screenshot displays a web application interface with a light blue header and a white background. The interface is divided into two main sections: 'Customer details' on the left and 'Orders' on the right. The 'Customer details' section contains four input fields: 'Customer name:' with the value 'Vighnesh', 'Customer Address:' with the value 'Vadala', 'VAT TIN:' with the value '12345', and 'CST NO.:' with the value '12345'. The 'Orders' section features a table with one row labeled 'Order 1' and three buttons: 'Add', 'View', and 'Delete'. A 'Message' dialog box is overlaid in the center, displaying an information icon (a blue circle with a white 'i') and the text 'Orders added'. The dialog box has a red 'X' button in the top right corner and an 'OK' button at the bottom right. At the bottom of the application, there is a row of five buttons: 'Log Out', 'View purchase', 'Add purchase', 'View Orders', and 'Add order'.

Customer details

Customer name: Vighnesh

Customer Address: Vadala

VAT TIN: 12345

CST NO.: 12345

Orders

Order 1

Add

View

Delete

Message

Orders added

OK

Log Out

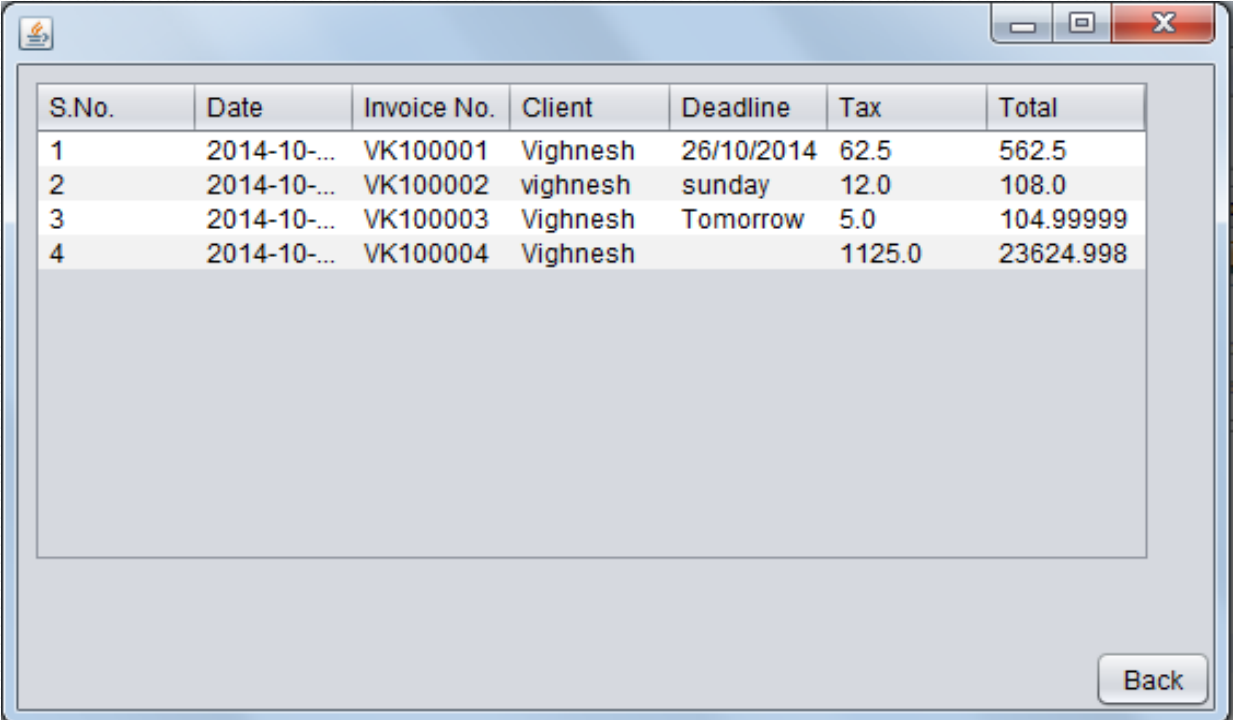
View purchase

Add purchase

View Orders

Add order

- We can view the entire sales database by clicking on the view orders button. We will find that the Invoice Number is being generated automatically and the taxes are also being added to the total cost (rate x quantity x tax). All these computations are done by the system. We can return to the Main Page by clicking on the Back button.

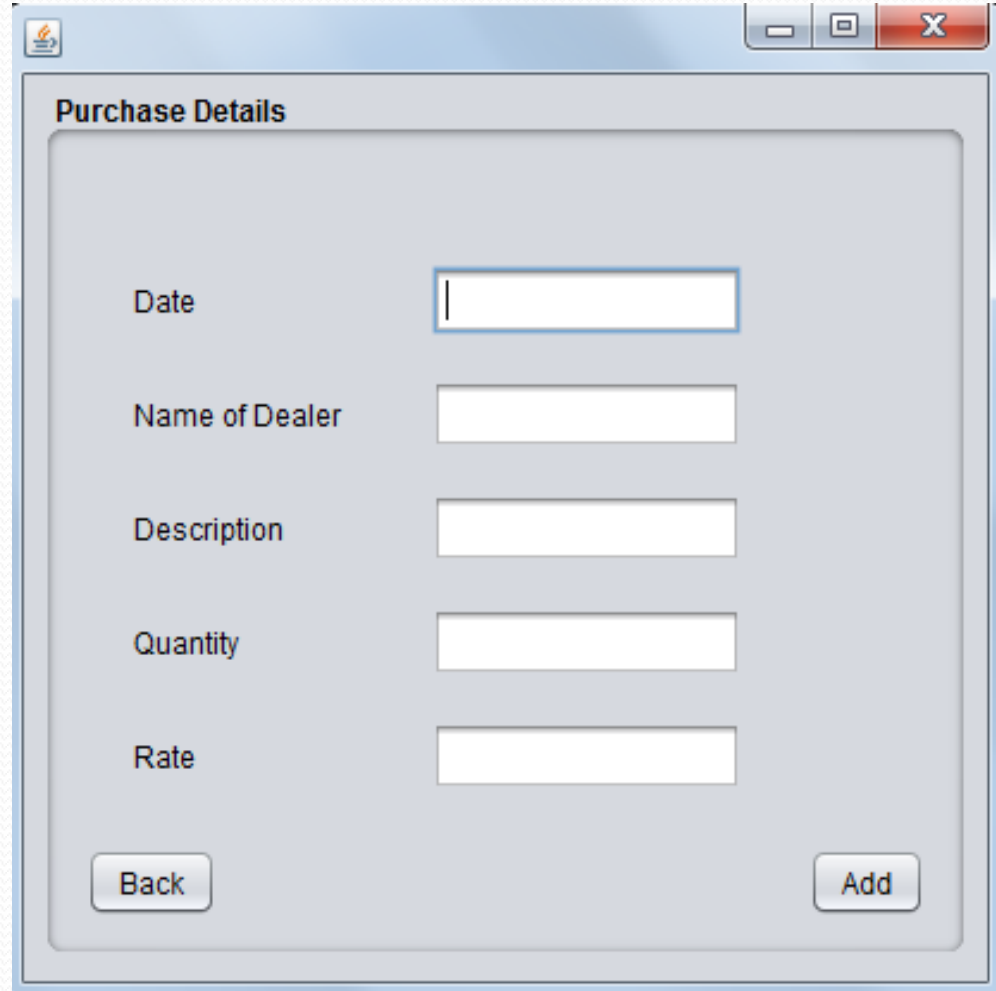


The screenshot shows a web application window with a table of sales orders. The table has seven columns: S.No., Date, Invoice No., Client, Deadline, Tax, and Total. There are four rows of data. Below the table is a large empty rectangular area. In the bottom right corner of the window, there is a 'Back' button.

S.No.	Date	Invoice No.	Client	Deadline	Tax	Total
1	2014-10-...	VK100001	Vighnesh	26/10/2014	62.5	562.5
2	2014-10-...	VK100002	vighnesh	sunday	12.0	108.0
3	2014-10-...	VK100003	Vighnesh	Tomorrow	5.0	104.99999
4	2014-10-...	VK100004	Vighnesh		1125.0	23624.998

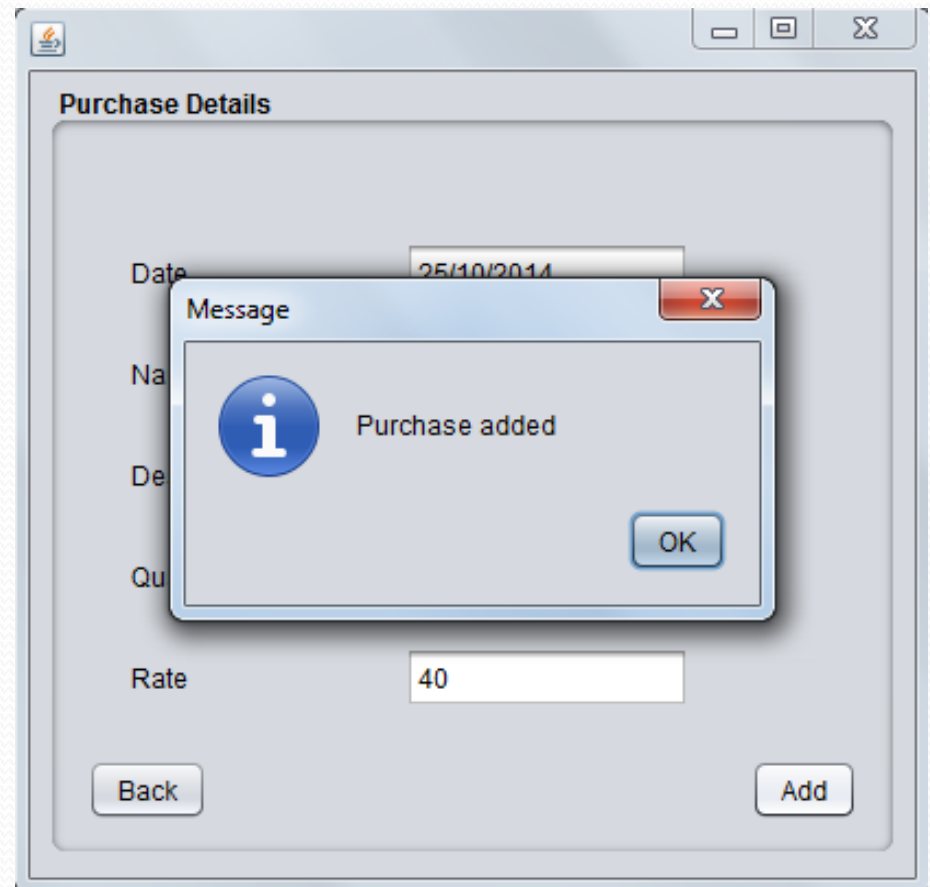
Back

- This page is displayed whenever the customer clicks on Add Purchase button in the Main Menu. It is used to maintain a purchase database. We click on Add button after entering all the required details in order to add them into the purchase database. We can click on the Back button in order to return to the Main Menu.

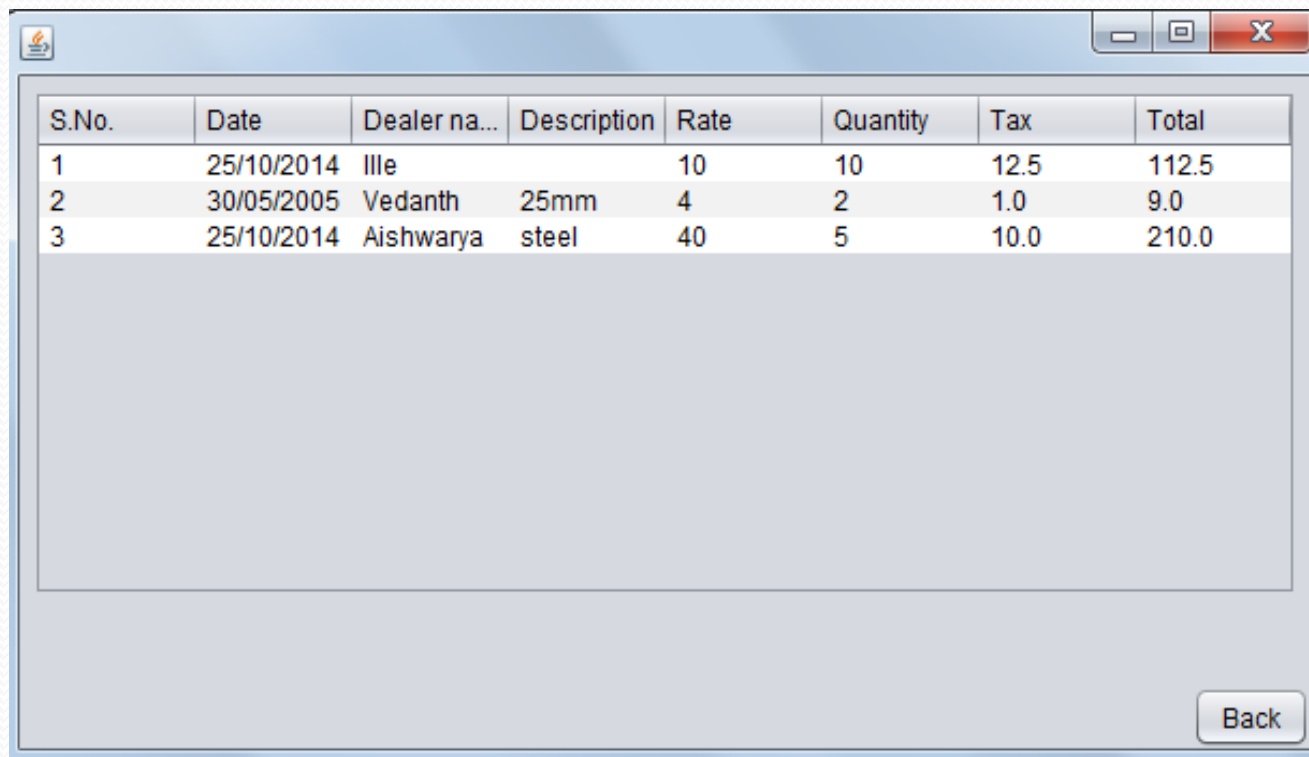


The screenshot shows a software window titled "Purchase Details". Inside the window, there are five text input fields arranged vertically, each preceded by a label: "Date", "Name of Dealer", "Description", "Quantity", and "Rate". At the bottom of the window, there are two buttons: "Back" on the left and "Add" on the right. The window has a standard Windows-style title bar with minimize, maximize, and close buttons.

- This dialog box appears when we click on the add button which indicates that a purchase has been added to the purchase register. We return to the Main Page on clicking OK.



- This page is displayed when the customer clicks on View Purchase button in the Main Menu. The customer can access and read the entire purchase database in this page. He will also see the total amount after the addition of taxes. These computations are done by the system.



S.No.	Date	Dealer na...	Description	Rate	Quantity	Tax	Total
1	25/10/2014	Ille		10	10	12.5	112.5
2	30/05/2005	Vedanth	25mm	4	2	1.0	9.0
3	25/10/2014	Aishwarya	steel	40	5	10.0	210.0

Back



THANK YOU