

Inventory Management System

Login Screen

InvMSInventory Management System

Login Information

User Name :

Password :

Login

Transaction Page

Welcome John Mathew | Logout

InvMSInventory Management System

TransactionReports

TransactionAdd

#	Date	Product Name	Available Qty	Type	Qty	Actions
1	2/12/2010	Switch	10	Inward	5	Edit Delete
2	2/13/2010	TubeLight	20	Outward	10	Edit Delete
3	2/14/2010	Screws	1000	Inward	20	Edit Delete
4	2/14/2010	Screws	10	Outward	10	Edit Delete
5	2/15/2010	Nails	1000	Inward	20	Edit Delete
6	2/15/2010	Switch	1000	Inward	10	Edit Delete
7	2/15/2010	Screws	1000	Inward	20	Edit Delete
8	2/15/2010	TubeLight	20	Outward	10	Edit Delete
9	2/16/2010	Screws	1000	Inward	10	Edit Delete
10	2/16/2010	Switch	10	Outward	20	Edit Delete
11	2/16/2010	TubeLight	1000	Inward	20	Edit Delete
12	2/16/2010	Switch	1000	Outward	10	Edit Delete
13	2/17/2010	Screws	1000	Inward	20	Edit Delete
14	2/17/2010	TubeLight	20	Outward	20	Edit Delete
15	2/17/2010	Switch	1000	Inward	20	Edit Delete
16	2/17/2010	Nails	1000	Inward	10	Edit Delete
17	2/18/2010	Screws	1000	Inward	20	Edit Delete
18	2/18/2010	TubeLight	20	Outward	20	Edit Delete
19	2/18/2010	Switch	10	Inward	10	Edit Delete
20	2/18/2010	Switch	1000	Outward	20	Edit Delete
21	2/18/2010	<input type="text" value="Switch"/>	<input type="text" value="10"/>	<input type="text" value="Inward"/>	<input type="text" value="10"/>	Save Cancel

Report

Welcome John Mathew | Logout

InvMS

Inventory Management System

Transaction

Reports

Reports

From Date : 2/12/2010 To Date : 2/15/2010 Type : Inward Go

#	Date	Product Name	Type	Qty	Updated By
1	2/12/2010	Switch	Inward	5	John Mathew
2	2/13/2010	TubeLight	Inward	10	Sam Mc
3	2/14/2010	Screws	Inward	20	Peter
4	2/14/2010	Screws	Inward	10	John Mathew
5	2/15/2010	Nails	Inward	20	Sam Mc
6	2/15/2010	Switch	Inward	10	Peter
7	2/15/2010	Screws	Inward	20	John Mathew
8	2/15/2010	TubeLight	Inward	10	Sam Mc
9	2/16/2010	Screws	Inward	10	Peter
10	2/16/2010	Switch	Inward	20	John Mathew
11	2/16/2010	TubeLight	Inward	20	Sam Mc
12	2/16/2010	Switch	Inward	10	Peter
13	2/17/2010	Screws	Inward	20	John Mathew
14	2/17/2010	TubeLight	Inward	20	Sam Mc
15	2/17/2010	Switch	Inward	20	Peter
16	2/17/2010	Nails	Inward	10	John Mathew
17	2/18/2010	Screws	Inward	20	Sam Mc
18	2/18/2010	TubeLight	Inward	20	Peter
19	2/18/2010	Switch	Inward	10	John Mathew
20	2/18/2010	Switch	Inward	20	Chad

DB Schemas

Users

Field Name	Type	Width	Description
UserID	Int (Auto Generated)		Primary Key of the Table
UserName	Varchar	50	User Name to login
Password	Varchar	25	Password to Login
FullName	Varchar	255	Display Name of the User
IsActive	Boolean	1	Active or Inactive Status
Category	Varchar	50	Purchase or Storekeeper

Product Master

Field Name	Type	Width	Description
Productid	Int (Auto Generated)		Primary Key of the Table
ProductName	Varchar	50	Product Name
AvailableQty	Long		Quantity (Available)

Transaction

Field Name	Type	Width	Description
TransactionID	Int (Auto Generated)		Primary Key of the Table
TransactionDate	Date		Date
ProductID	Int		Foreign Key to productMaster's pid
TransactionType	Varchar	5	Either IN or OUT
Qty	Int		Quantity (Transaction)
UpdatedBy	Int		Foreign key to user master's uid

Roles:

Home Page / Login Page

- Start the Project with the Login Page
- Allow only Active Users
- Login with the Existing User authentication who has Category as Storekeeper
- User Registration is not Required
- After Login the storekeeper area should be shown

Common Functionalities

- Header section & Footer section is common
- In header -> Logged in User Name should be shown (UserFullName)
- Near to that Logout Link which should clear the Logged in information.
- Menu Items as Transaction & Reports, it should be linked to the below mentioned pages.

Transaction Page

- This is the Landing Page after login.
- It should list down the current entry from the database
- StoreKeeper can enter data for Inward Good & Outward Goods (Inward for Purchase, Outward for Production)
- Anytime in the list Storekeeper can add a transaction with the fields (Transaction Date, Product Name, Available Quantity, Type, Quantity)
- When storekeeper clicks "add" button, a new dynamic row should be created with date picker control, dropdown list products, available quantity, transaction type and quantity. Available Quantity is auto filled based on the product selection.
- Available Quantity has to be updated when an Inward Transaction is entered.
- Transaction Quantity has to be validated not to exceed the Available Quantity when the Transaction is for Outward.
- Available quantity field is read only
- The transaction quantity is editable
- The transaction type list must contain either INWARD or OUTWARD
- When a dynamic Row is shown, last column has to show the Save & Cancel Button
- Any Transaction can be Edited or Deleted from the List.

- Based on the Type that is getting Edited or Deleted, the Product Master has to be Updated with the Available Quantity. Eg. Deleting the INWARD Transaction should Subtract the Available Quantity with the Transaction Quantity.
- Empty Record should not be saved.
- While Adding or Editing the UpdatedBy field has to be filled automatically based on the Userid who logged in.

Report Page

- This is the page shown when the Reports Menu is clicked.
- To Generate the Report, below mentioned inputs has to be provided.
 - Transaction From Date
 - Transaction To Date (Validate this date with the From that that it should be always equal or Greater)
 - Transaction type is to show the Inward & Outward Transactions.
- Result of the above mentioned criteria, show the fields as Serial No., Transaction date, product name, quantity and updatedBy
- Update by is captured while Adding or Editing. This should be the fullname of the user.