

Store Management System



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Introduction:

The project is totally based on departmental store of Computer Science. The basic aim to build this project is to reduce paper work and reduce significant amount of errors during paper work. The store in-charge and issuer can view their history of issued product via internet.

The issued products by the admin/in-charge will be added to respected user account which later on upon returning will be dissociated from the user.

Different types of users will be able to get a different view according to their need and requirements.

There are three types of users:

- Admin (Store incharge)
- User (to whom the product will be issued to)
- Guest User

The user/admin can view all the products available in the store. Depending upon the user types admin has more capability of issuing products and managing different products in different categories.

There can't be more than one admins. Only the default user will be the admin and he/she can add or register new users.

I. Software Used:

The project uses following software:

- XAMPP (Server)
- Google Chrome
- Visual Studio Code

II. Technologies Used:

- PHP
- HTML & JavaScript
- MySQL

In this web application different types of users can view different pages. They have limited privileges to perform on this management system.

Types of Users and Their Privileges:

Different user group can perform different actions according to their type. For example admins have high level of privilege to edit or add product to the database while normal users can only view these changes.

I. Admin

The screenshot displays the 'Store Management System | Dashboard' interface. On the left is a dark blue sidebar with navigation links: SUMMARY, RECENT ACTIVITY (Issued Items, Returned Items, Added Items), REPORTS (Items, Users), and MANAGEMENT (Add Item, Add Item Quantity, Add Category, Add User). The main content area is light blue and contains three sections: 1. Summary: A table showing 'Total Items' as 2 and 'Total Users' as 3, with a 'Details' button. Below it is a table of items in stock: | Sr No. | Name | Quantity (in stock) | Details |. | 1 | Chair | 38 | View |. | 2 | Electric Heater Fan | 7 | View |. | Total | 45 | All Items |. 2. Issued Items: A summary row shows 'All Time Issued' as 60, 'All Time Returned' as 38, and 'All Time Added' as 62, with a 'Details' button. Below is a 'Recently Added' table with columns: Sr No., Name, Requisition No., Register Name & Page No., Quantity (in stock), Date, and Edit Date. It lists three items: 1. Chair (2458, UET Main Store, 40, 2019-07-31 00:00:00), 2. Electric Heater Fan (2458, UET Main Store, 12, 2019-06-05 12:35:06), and 3. Chair (2458, UET Main Store, 10, 2019-06-05 12:34:38). 3. Recently Issued: A table with columns: Sr No., Name, User Name, Quantity, Date, and Edit Date. It lists six items issued to various users like Jahanzaib Asghar and M. Umar.

(admin view to dashboard)

Admin is the store incharge having the capability of viewing following items and their properties:

- All items available in the store
- The remaining quantity of each item/product
- Issued quantity of each item
- To whom an item was issued
- Quantity issued to the particular user

Not only admin can see all the items in the store, but he'll be able to manage products in different categories.

II. User (Registered)

The screenshot displays the 'Store Management System | User Dashboard' for a registered user. On the left is a dark blue sidebar with a logo and three menu items: 'SUMMARY', 'STORE ITEMS', and 'REQUISITION FORM'. The main content area is light blue and contains several sections:

- User Info:** Features a profile icon and two input fields. The 'Name' field contains 'M.Ali' and the 'E-Mail' field contains 'ab@yahoo.com'.
- Issued Items:** Includes a box showing 'Total Issued Items' as '1'. Below it is a table with one item: a 'Chair' with a quantity of '1'. A 'View' link is present in the 'Details' column.
- Recently Issued Items:** A table with one entry: 'Chair' issued on '2019-07-09 03:31:06' with a quantity of '1'.
- Recently Returned Items:** An empty table with columns for 'Sr No.', 'Name', 'Quantity', and 'Date'.

A footer at the bottom states 'Copyright 2019. All right reserved!'.

Besides admins user have different view where he/she can only view what is available in the store to be issued. User will not have privilege to see actual quantity remaining of an item in the store.

Each user will be able to view his/her previous history of items issued to him/her.

Other than this user will be able to fill a requisition form online.

III. Guest

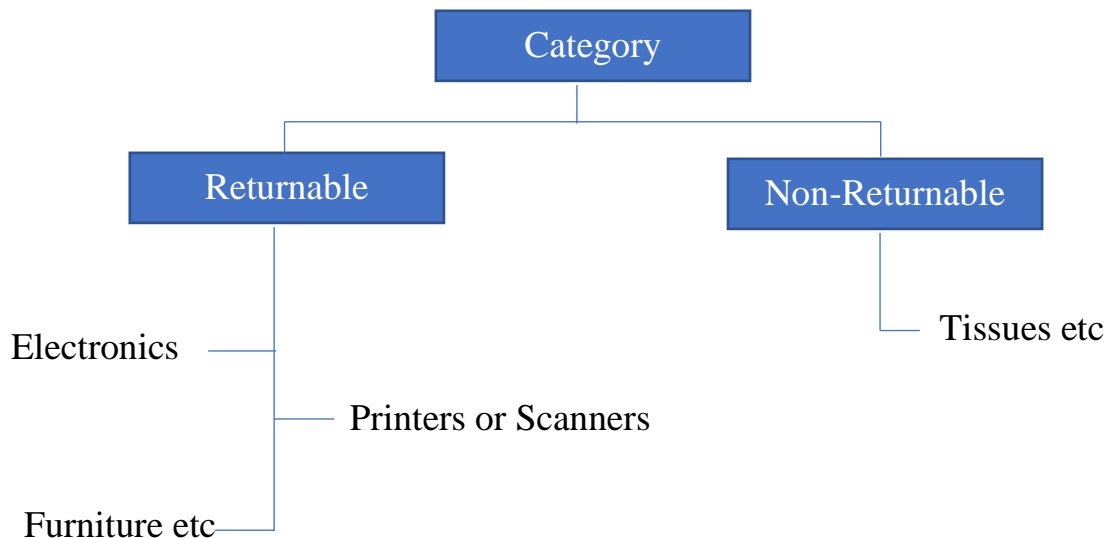
Guest will not be able to view anything. Guest user will be able to view homepage where he'll prompted to login before viewing store products.

They have the no privilege to perform any action.

Categories

Each item is placed in different category for the sake of easiness in search process for the users.

The main category for chart is as follow:



I. Main Categories

❖ Returnable/Non-Consumable Items

There are the items which are must to return for a user. They are not consumable and required to be returned to store. They are further subcategorized into electronics, furniture etc.

❖ Non-Returnable/Consumable Items

Some items are not required to be returned in the store. Anyhow they will appear on the admin/inchage side that whom those items were issued and in how much quantity. Tissues is such an example.

II. Sub Categories

They are the categories created by the admin according to the needs or requirements.

There is no limit on these categories, an admin can add as many as it is needed. It is to be noted that each user defined category will be belonging to either two of the above main categories.

III. What Admin Can Do with Different Categories

- Create a sub-category
- Issue an item to user
- Add returned items by the user.
- Add item to a category

Besides other things admins will be able to create user account with all the basic information of user for the first time. Which user upon signing in for the first time will be able to change its password etc.

Main Features

There are many features for each type of user which is associated to a level.

This web application is developed for the easiness and to get rid of paper work errors and anomalies.

I. Dashboard

The dashboard is like a summary/overview to all the store products along with their quantities and users to whom these products were issued.


It shows some previous history of added, issued and returned products to the system. It also shows the remain quantity in the store for the calculations.

II. Set Attributes of a Product/Item

- Each product can have different attributes as follow:
- Name
- Product entry register number
- Product ID (As per store register not for database)
- Quantity (quantity available in store)
- Description

III. Recent Activity Report

Activity is recorded for every move in the store. So, a complete report for the users and products is generated.




- SUMMARY
- RECENT ACTIVITY
 - Issued Items
 - Returned Items
 - Added Items
- REPORTS
 - Items
 - Users
- MANAGEMENT
 - Add Item
 - Add Item Quantity
 - Add Category
 - Add User
 - Issue Item

Store Management System | Recently Returned Items

[Log out!](#)

Please select a user: Chair

Item Details



Name	Chair
Description	asdf

Item Issued to Users

Total Quantity (in stock)	Issued Quantity
38	55

Sr No.	User Name	Quantity (not returned)	User Details
1	Jahanzaib Asgher	3	View
2	M.Umar	13	View
3	M.Ali	1	View

Recently Returned

Sr No.	Name	User Name	Quantity	Date	Edit Date
1	Chair	Jahanzaib Asgher	3	2019-07-11 00:00:00	Edit
2	Chair	M.Umar	1	2019-07-31 00:00:00	Edit
3	Chair	M.Umar	1	2019-06-05 11:50:23	Edit
4	Chair	Jahanzaib Asgher	3	2019-06-07 11:41:39	Edit
5	Chair	M.Umar	30	2019-07-31 00:00:00	Edit

❖ Issued Items/Products:

Each product is having a unique activity based on its his. It contains following information:

- Item details (name, description)
- Users issued this product
- Full issuing history for each user one by one
- Date regarding each event

❖ Returned Item

This included all the information of a returned item e.g. user returned item, quantity along with full history of each item one by one.

❖ Added Items (Received in Store):

These are the items added to the store (new items to the store). Each item is added with a temporary date which can be changed later on.

IV. Report by Items or Users

There are two kind of reports in the system:

- Items Reports
- Users Reports

As the name shows item reports is full report of a particular items including addition, issuing and returning history.

V. Managements

The screenshot displays the 'Store Management System | Add Item Quantity' interface. On the left is a dark blue sidebar with a logo at the top and a menu containing: SUMMARY, RECENT ACTIVITY (with sub-items: Issued Items, Returned Items, Added Items), REPORTS (with sub-items: Items, Users), and MANAGEMENT (with sub-items: Add Item, Add Item Quantity, Add Category, Add User, Issue Item). The main content area has a light blue background. At the top right of this area is a 'Log out!' link. In the center is a white form titled 'Please enter the main category name and press submit.' with fields for 'Store ID:', 'Name:', 'Category Name:' (a dropdown menu currently showing 'Furniture'), and 'Item Description:'. A 'Submit' button is at the bottom of the form. To the right of the form is a white box containing the text: 'You can add an item to the database. Here is the list of already added items/products. You can't add same product twice.' followed by a list: 'Chair', 'Electric Heater Fan'. At the bottom of the page is a blue footer bar with the text 'Copyright 2019, All right reserved!'.

These are special privileges to admin to add record of every transaction happened in real store.

These managements included following things:

❖ **Add Item**

Admin can add an item to the database. You can't add same product twice. Each new product entry is first check into the database. If it already exists a warning message is generated preventing duplicate entry.

❖ **Manage/Add Item Quantity**

There are two types of quantities in the store. One which is at the initial level during the add item process. But the second one is if it is the new arrival of old product.

Adding item quantity will increase the quantity available in the store.

❖ **Category Management**

Category is managed by the admin. Each category is having a main category.

❖ **User Management**

The users can't be added to the system by using regular register/sign up method. Each new user is added by the admin with a temporary email and password. The newly created user must need to change temporary credentials on first time login to the system.

❖ **Issue Item/Product**

A product can be issued to a user with following details:

- Product Name (issued product name)
- User to whom product is issued
- Quantity
- Register Number
- Page Number

❖ **Returned Item**

Each time product is returned is added to the system.

Admin can add the returned item to the system in following way:

- Select a user from the drop-down menu.
- Select product and enter the quantity returned by user

❖ Online Requisition Form

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DEPARTMENT OF COMPUTER SCIENCE

Req No: _____

STORE REQUISITION

Dated: ____/____/2019

Name of Faculty Member: _____


Sr.#	Name of Item	Qty	Store Reg/Page #	By Name Reg/Page #
1	Printers	1		
2				
3				
4				

Demanded By: _____ Officer Incharge Store
 Head of Department: _____
 Dated: _____ Issued By: _____

Recieved By:
 Signature: _____
 Name: _____
 Designation: _____

A requisition form can be printed online by filling the required products online. Then user can print its hard copy and submit it to the store.

❖ User side Categorization



Store Management System | Store Items

[Log out!](#)

Categories

Sr No.	Name	View Details
1	Furniture	View
2	Printers	View
3	Electronics	View

Products Details

Sr No.	Name
1	Chair

SUMMARY

STORE ITEMS

REQUISITION FORM

The categories are shown on the user side for the ease of search in any category.

❖ Security

Each type of user is restricted to when he/she is authorized to do. Admin has most privileges then any else. So admin can manage all things. Users can't do anything that is done by admin.

Security is ensured by the sessions of PHP. Validation of forms is being performed on both server side and user side.

Conclusion

Are you worried about mistakes? Or you got tired of doing paper work? This Store management system will change the life by making your work easier and error free. Now you can deal your customers/users more easily!

The application is flexible towards addition of new categories, items and new users.