

BASAVARAJESWARI GROUP OF INSTITUTIONS



BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT

NACC Accredited Institution*
(Recognized by Govt. of Karnataka, approved by AICTE, New Delhi & Affiliated to Visvesvaraya Technological University, Belagavi)
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

A DBMS Mini Project Report

On

"INVENTORY DATABASE MANAGEMENT SYSTEM"

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Visvesvaraya Technological University
Belagavi, Karnataka

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**DEPARTMENT OF COMPUTER SCIENCE &
ENGINEERING**

CERTIFICATE

This is to certify that the DBMS Mini Project entitled "[INVENTORY DATABASE MANAGEMENT SYSTEM](#)" has been successfully presented by **{UTKARSH KUMAR}, {SANIYA.T}** bearing (**{3BR20CS173}, {3BR20CS168}**) a student of V semester B.E. for the partial fulfillment of the requirements for the award of **Bachelor Degree in Computer Science & Engineering** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY during the academic year 2022-2023

Signature of Guide(s)

Signature of HOD

Dr. R.N. Kulkarni

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ABSTRACT:

The purpose of this project is to develop an inventory database management system using HTML, CSS, JavaScript, PHP, and SQL to improve the efficiency and accuracy of inventory management for small and medium-sized businesses.

The implementation of the system resulted in improved inventory tracking, reduced human error, and streamlined business processes. The system is user-friendly and easy to use, providing a cost-effective solution for inventory management.

The significance of the project lies in its ability to improve the efficiency and accuracy of inventory management for small and medium-sized businesses, streamlining business processes and reducing human error, resulting in cost savings and improved productivity.

The system can be easily customized to meet the specific requirements of different businesses and has the potential to improve inventory management in various industries, serving as a model for similar systems.

(Keywords: Inventory database management system, HTML, CSS, JavaScript, PHP, SQL, Efficiency, Accuracy, Inventory tracking, Human error, Streamlined business processes, User-friendly, Cost-effective, Customizable, Specific requirements, Small and medium-sized businesses, Industries, Model for similar systems, Improved productivity, Cost savings.)

CHAPTER 01:

INTRODUCTION:

In today's fast-paced business environment, effective inventory management is crucial for the success of small and medium-sized businesses. Inventory is a major asset for any company, and proper management of it is essential to ensure that the right products are in the right place at the right time. A web-based inventory database management system can provide a solution to these issues by providing real-time visibility of stock levels, tracking inventory movements, and automating inventory control processes. The system uses a web-based interface and is built using modern web technologies such as HTML, CSS, JavaScript, and PHP, with a back-end database powered by SQL.

This inventory database management system web application provides a comprehensive solution for managing inventory which can be accessed from anywhere and at any time. The system is designed to be user-friendly and easy to use, providing a cost-effective solution for inventory management. The system can be customized to meet the specific requirements of different businesses and has the potential to improve inventory management in various industries.

1.1 PROMBLEM STATEMENT:

Small and medium-sized businesses often face the challenge of efficiently and accurately tracking and managing their inventory. Traditional inventory management methods can be time-consuming, prone to human error, and may not provide real-time visibility of inventory levels. This can lead to stockouts, overstocking, and missed sales opportunities, ultimately affecting the bottom line of the business. The lack of an efficient and user-friendly inventory management system also makes it difficult for businesses to make informed decisions and plan for future growth.

This project aims to address these challenges by developing an inventory database management system web application that utilizes modern technologies to improve the tracking and management of inventory in real-time, streamline business processes and provide a cost-effective solution for inventory management

OBJECTIVES:

- develop an inventory database management system web application that utilizes modern technologies such as HTML, CSS, JavaScript, PHP, and MySQL
- To improve the efficiency and accuracy of inventory management for small and medium-sized businesses by providing real-time visibility of inventory levels
- To streamline business processes and reduce human error in inventory management
- To create a user-friendly and easy-to-use system that can be easily customized to meet the specific requirements of different businesses
- To improve productivity and reduce costs for businesses through better inventory management
- To serve as a model for similar systems and have the potential to improve inventory management in various industries.

1.2 DBMS:

The term database is defined as any collection of electronic records that can be processed to produce useful information. The data can be accessed, modified, managed, controlled, and organized to perform various data-processing operations

DBMS provides storage, retrieval, update, and deletion of data in an organized manner

1.3 FRONTEND:

- Front-end development involves the creation of the user interfaces and user experiences of a website or application .it is the part of web development that deals with the client side or the part of the websites or applications that the user interacts with. Front-end developers use language such as

HTML:

- HTML – HTML is the standard markup language for creating a websites
- HTML stands for Hyper Text Markup Language
- HTML describes the structure of a web page using markup
- HTML elements are represented by tags
- HTML tag label pieces of content such as ‘heading’, ‘paragraph’, ‘table’, and so on

CSS:

- CSS-short for “cascading style sheet”
- Determines how the elements in our XHTML document are displayed and formatted
- Designed to separate the content of a web page from the presentation of that content
- Enable us to make all pages of our websites look similar and consistent
- Allow us to make site-wide formatting changes from a single location
- External style sheets are stored in CSS

JAVASCRIPT:

- A scripting language developed by Netscape and Sun Microsystem to enable Web authors to design interactive sites
- Although it shared many of the features and structures of the java language, it developed independently
- Javascript can interact with HTML source code, enabling Web authors to spice up their sites with dynamic content

Create the visual element and layout of a website or application they work closely with designers and back-end developers to ensure that the website or application is visually appealing and functions properly

2.1 BACKEND

SQL:

The SQL language has several parts

- Data-definition language(DDL): provides commands for defining relation schemas, deleting relations, and modifying relations
- Interactive data manipulation language(DML): It includes also commands to insert tuples delete tuples from and modify tuples in the database
- View Definition: includes commands for defining views
- Transaction control: includes commands for specifying the beginning and end of transactions.

PHP:

- PHP is a server-side scripting language. It is executed on the server and is responsible for server-side logic and database interactions.
- PHP is commonly used to create web-based applications, such as dynamic and interactive websites.
- PHP can be used in combination with front-end languages like HTML, CSS, and JavaScript to create dynamic web pages.
- PHP scripts are executed on the server, and the results are returned to the client's web browser as plain HTML.
- PHP is widely supported and can be used on various operating systems and web servers.
- PHP has a large community and a wide range of libraries, frameworks and tools that can be used to speed up the development process.

CHAPTER 02:

1.SYSTEM REQUIREMENTS:

MINIMUM HARDWARE REQUIREMENTS

- RAM: 4GB AND 8GB
- PROCESSOR: ICORE 3.
- HARD DISK DRIVE: 512GB

2.2 SOFTWARE REQUIREMENTS:

- Operating system: windows 10
- Back end: Php
- Local host: Xampp Server.
- Front end: HTML, CSS
- Database: MYSQL

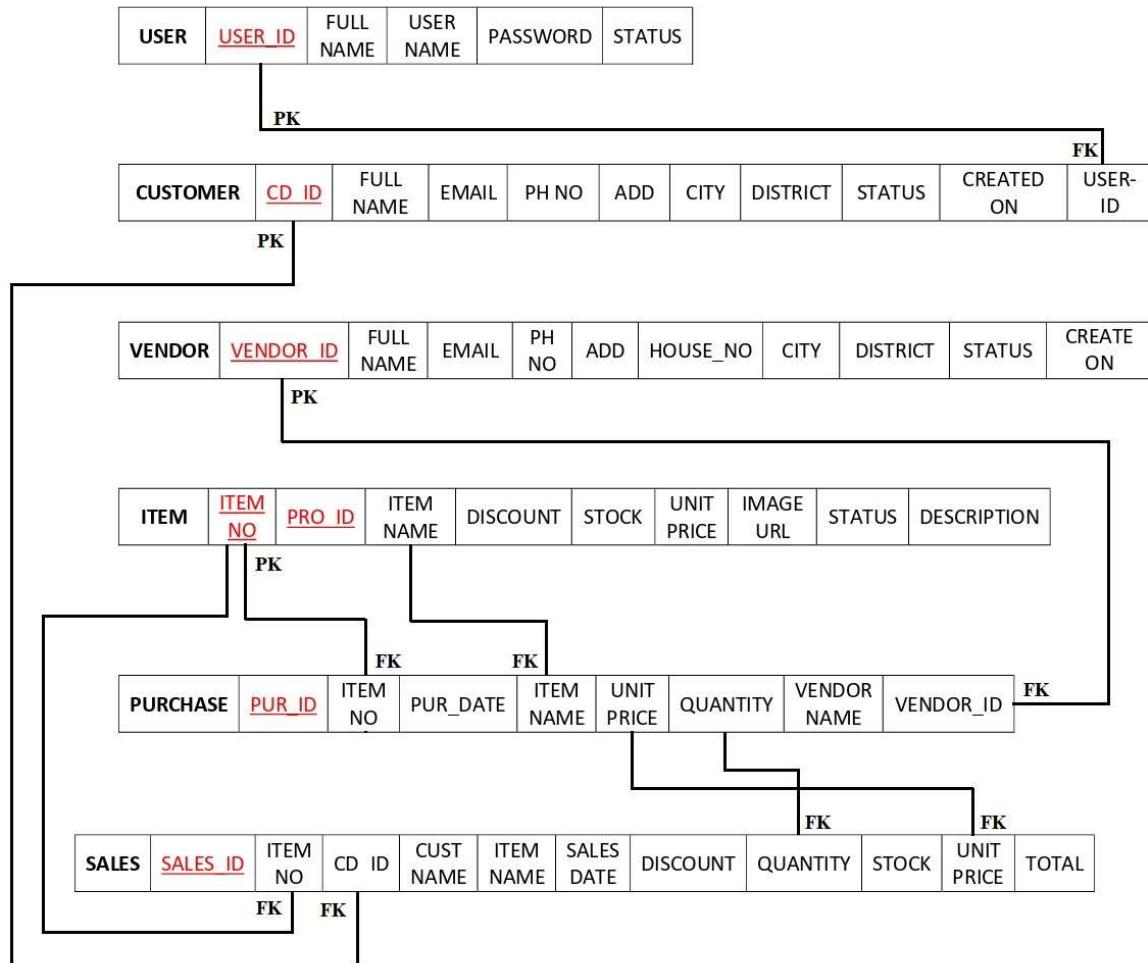
CHAPTER 3:

3.1 SCHEMA DIAGRAM

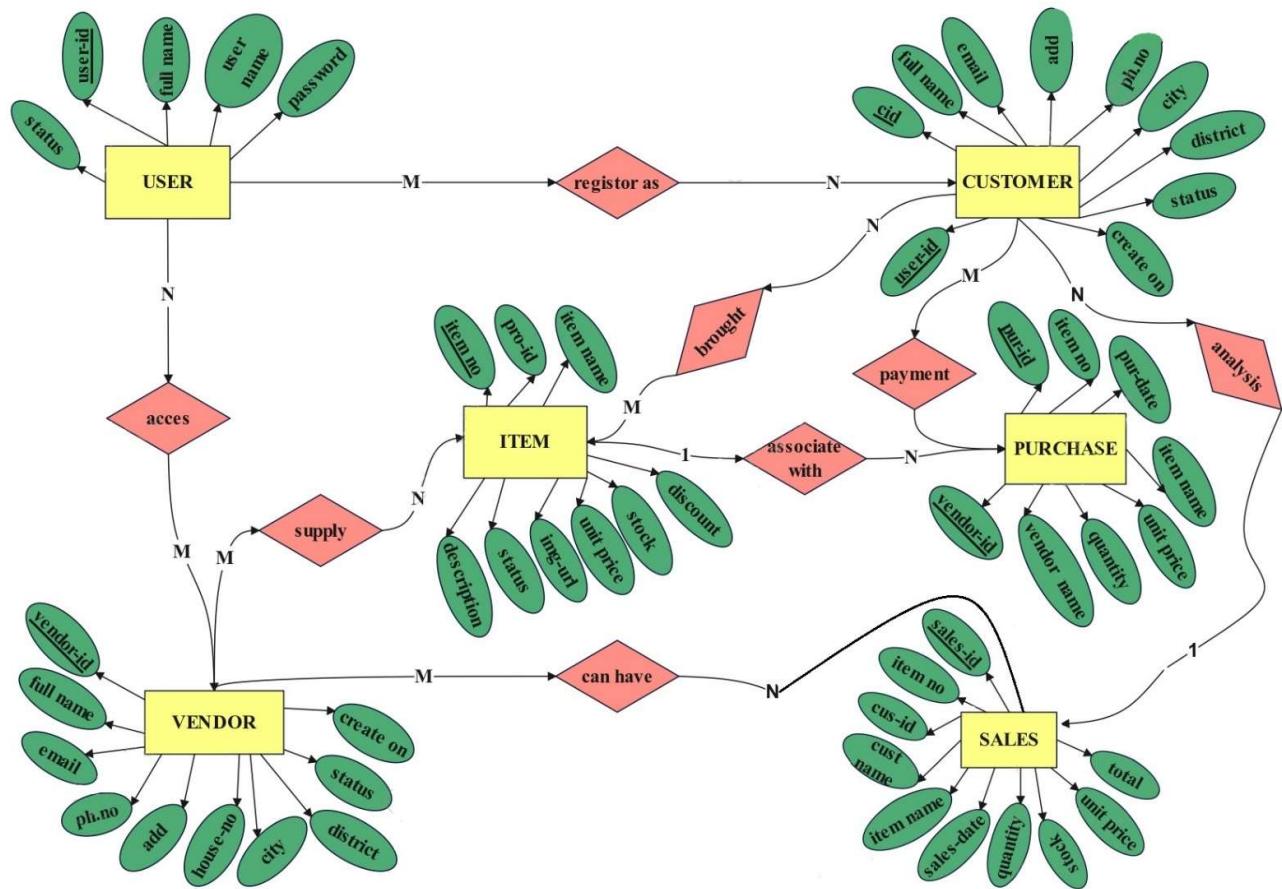
FOR

INVENTORY DATABASE

MANAGEMENT SYSTEM



3.2 E-R Diagrams



CHAPTER 4:

4.1 MODULE IMPLEMENTATION IN INVENTORY DATABASE:

1. Customer Module: This module would handle all customer-related functionality, such as adding new customers, editing customer information, and viewing customer details. It would also handle customer login and authentication.
2. Image Module: This module would be responsible for storing and retrieving images of the items in the inventory. It would handle adding new images, editing existing images, and viewing images of specific items.
3. Items Module: This module would handle all item-related functionality, such as adding new items, editing item information, and viewing item details. It would also handle inventory management, including tracking item levels and generating reorder alerts.
4. Login Module: This module would handle user login and authentication for the inventory system. It would check for valid credentials and grant access to the appropriate sections of the system based on the user's role.
5. Sale Module: This module would handle all sales-related functionality, such as adding new sales, editing sales information, and viewing sales details. It would also handle generating reports on sales and customer activity.
6. Vendors Module: This module would handle all vendor-related functionality, such as adding new vendors, editing vendor information, and viewing vendor details. It would also handle ordering items from vendors and tracking vendor deliveries.
7. Purchase Module: This module would handle all purchase-related functionality, such as adding new purchases, editing purchase information, and viewing purchase details. It would also handle generating reports on purchase and vendor activity.
8. Report Module: This module would handle generating reports on inventory levels, sales, purchases, and customer activity. It would allow users to filter and export data in a variety of formats.
9. Bill Generation Module: This module would handle generating invoices and bills for customers(sales) and vendors (purchase). It would calculate the total cost of items purchased, including purchase date, etc, and generate a printable bill or invoice.

CHAPTER 5: Snapshots

Database Table:

Table	Action	Rows	Type	Collation	Size	Overhead
customer	Browse Structure Search Insert Empty Drop	11	InnoDB	latin1_swedish_ci	16.0 Kib	-
item	Browse Structure Search Insert Empty Drop	12	InnoDB	latin1_swedish_ci	16.0 Kib	-
purchase	Browse Structure Search Insert Empty Drop	16	InnoDB	latin1_swedish_ci	32.0 Kib	-
sale	Browse Structure Search Insert Empty Drop	21	InnoDB	latin1_swedish_ci	32.0 Kib	-
user	Browse Structure Search Insert Empty Drop	6	InnoDB	latin1_swedish_ci	16.0 Kib	-
vendor	Browse Structure Search Insert Empty Drop	8	InnoDB	latin1_swedish_ci	16.0 Kib	-
6 tables Sum		74	InnoDB	utf8mb4_general_ci	128.0 Kib	0 B

Customer Tables And Its Attributes

	customerID	fullName	email	mobile	phone2	address	address2	city	district	status	createdOn
<input type="checkbox"/>	4	Bill Gates	bill@microsoft.com	993737	772484884	45, Palo Alto House, Marine Drive	South Carolina	Microsoft	Kurunegala	Active	2018-04-30 20:44:02
<input type="checkbox"/>	14	Steve Jobs	sjobs@apple.com	333829832	0	1st Floor, Apple House, Las Vegas Street	Las Vegas	Monaragala	Disabled		2018-05-01 17:33:10
<input type="checkbox"/>	18	Asitha Silva	asitha@gmail.com	777987654	0	No. 3, Radcliff Avenue, School Lane	Kalutara South	Kalutara	Active		2018-05-02 15:22:28
<input type="checkbox"/>	24	Sunil Perera	Sunil@gypsies.sound	338393932	413837293	67/7, Perera Villa, Jayasekara Avenue	Mount Lavinia	Ratmalana	Colombo	Active	2018-05-02 16:18:37
<input type="checkbox"/>	25	Theresa May	may34@uk.gov.com	329393903	777833737	12, Downing Street	London	London	Matale	Active	2018-05-03 07:58:07
<input type="checkbox"/>	26	Sachin Tendulkar	sachintendulkar@icc.com	444958303	84792838	789-4, Apartment 3, Cric Complex	New Delhi	Puttalam	Active		2018-05-03 07:58:38
<input type="checkbox"/>	38	Nuwan Perera	nuwan@yahoo.com	839378202	0	Nuwan Villa, Lower Street, North Mullaitivu	Mullaitivu	Mullaitivu	Active		2018-05-05 16:47:49
<input type="checkbox"/>	39	Amal Silverton	amals452@yahoo.com	232345676	0	Amal's House, Amal's Street, Amal Road	Ambalangoda	Galle	Active		2018-05-05 18:57:06
<input type="checkbox"/>	40	Andrew Symonds	symonds@cricket.au.com	123	0	23, Oak View Avenue	Western Australia	Melbourne	Colombo	Disabled	2018-05-13 06:50:23
<input type="checkbox"/>	41	Mark Taylor		111	0	111		Colombo	Active		2018-05-13 06:54:54
<input type="checkbox"/>	42	Nelson Mandela	sjobs@apple.com	333829832	0	1st Floor, Apple House, Las Vegas Street	Las Vegas	Kalutara	Disabled		2018-05-13 08:09:41

Item Tables And Its Attributes

The screenshot shows the MySQL Workbench interface with the following details:

- Server:** 127.0.0.1
- Database:** shop_inventory
- Table:** item

The table structure is as follows:

	productID	itemNumber	itemName	discount	stock	unitPrice	imageURL	status	description
<input type="checkbox"/>	34	1	First Bag	0	0	1500	1525670999_1.png	Active	
<input type="checkbox"/>	35	2	School Bag	0	5	500	1525681111_661539.png	Active	
<input type="checkbox"/>	36	3	Office Bag	0	5	1300	1525709924_office bag.jpg	Active	
<input type="checkbox"/>	37	4	Leather Bag	2	6	3409	1525710010_leather bag.jpg	Active	
<input type="checkbox"/>	38	5	Travel Bag	2	17	1200	1525706032_travel bag.jpg	Active	
<input type="checkbox"/>	39	6	Gym Bag	0	0	3000	1525710463_gym bag.jpg	Active	
<input type="checkbox"/>	40	7	Handbag	1.5	10	1650	1525713267_handbag.jpg	Active	
<input type="checkbox"/>	41	8	Laptop Bag	2.1	9	2300	1525750683_661539.png	Active	
<input type="checkbox"/>	43	10	Sports Bag	1	90	1000	1525756289_sports bag.jpg	Active	
<input type="checkbox"/>	45	11	First Aid Bag	1.5	11	1200	1525787551_first aid bag.jpg	Active	
<input type="checkbox"/>	49	14	Hiking Bag	1.5	6	1200	1526297640_hiking bag.jpg	Active	This is a hiking bag. Ideal for long distance hike...
<input type="checkbox"/>	50	15	bag	10	1000	1000	imageNotAvailable.jpg	Active	

Below the table, there are several operation buttons:

- Check all
- With selected: Edit Copy Delete Export
- Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None
- Query results operations: Print, Copy to clipboard, Export, Display chart, Create view

Purchase Table And Its Attributes

The screenshot shows the MySQL Workbench interface for the 'purchase' table in the 'shop_inventory' database. The table has the following columns: purchaseID, itemNumber, purchaseDate, itemName, unitPrice, quantity, vendorName, and vendorID. The data consists of 16 rows, each representing a purchase of a specific item from a vendor. The table is displayed in a grid format with edit, copy, and delete options for each row.

	purchaseID	itemNumber	purchaseDate	itemName	unitPrice	quantity	vendorName	vendorID
<input type="checkbox"/>	39	1	2018-05-24	First Bag	1600	10	Johnson and Johnsons Co.	3
<input type="checkbox"/>	40	2	2018-05-18	First Bag	2341	2	Louise Vitton Bag	4
<input type="checkbox"/>	41	4	2018-05-07	Leather Bag	1234	3	Johnson and Johnsons Co.	3
<input type="checkbox"/>	42	1	2018-05-24	First Bag	345	12	Louise Vitton Bag	4
<input type="checkbox"/>	43	5	2018-05-03	Travel Bag	35	3	Johnson and Johnsons Co.	3
<input type="checkbox"/>	44	5	2018-05-16	Travel Bag	3000	2	ABC Company	1
<input type="checkbox"/>	45	5	2018-05-21	Travel Bag	3000	10	Sample Vendor 222	2
<input type="checkbox"/>	46	4	2018-05-19	Leather Bag	1200	4	Johnson and Johnsons Co.	3
<input type="checkbox"/>	47	2	2018-05-10	School Bag	2	1	Sample Vendor 222	2
<input type="checkbox"/>	48	1	2018-05-12	First Bag	2	9	ABC Company	1
<input type="checkbox"/>	50	14	2018-05-15	Hiking Bag	1000	5	Louise Vitton Bag	4
<input type="checkbox"/>	51	11	2018-05-11	First Aid Bag	1121	1	ABC Company	1
<input type="checkbox"/>	52	1	2018-05-21	First Bag	1235	2	Sample Vendor 222	2
<input type="checkbox"/>	53	1	2018-05-24	First Bag	100	10	ABC Company	1
<input type="checkbox"/>	54	1	2018-05-24	First Bag	1000	4	ABC Company	1
<input type="checkbox"/>	55	1	2019-12-19	First Bag	1200	1000	ABC Company	1

Sales Table With Its Attributes

The screenshot shows the MySQL Workbench interface with the following details:

- Server:** 127.0.0.1
- Database:** shop_inventory
- Table:** sale

The main area displays the results of the query `SELECT * FROM `sale``. The results are shown in a table with the following columns and data:

saleID	itemNumber	customerID	customerName	itemName	saleDate	discount	quantity	unitPrice
1	3	4	Bill Gates	Office Bag	2018-05-24	5	2	1300
2	1	39	Amal Silverton	First Bag	2018-05-24	0	111	1500
3	4	18	Asitha Silva	Leather Bag	2018-05-24	2	1	3409
4	5	25	Theresa May	Travel Bag	2018-05-24	2	1	1200
5	6	24	Sunil Perera	Gym Bag	2018-05-24	0	1	3000
6	7	14	Steve Jobs	Handbag	2018-05-24	1.5	1	1650
7	3	4	Bill Gates	Office Bag	2018-05-24	0	3	1300
8	8	4	Bill Gates	Laptop Bag	2018-05-14	2.1	1	2300
9	6	26	Sachin Tendulkar	Gym Bag	2018-05-14	0	1	3000
10	5	25	Theresa May	Travel Bag	2018-05-14	2	9	1200
11	10	26	Sachin Tendulkar	Sports Bag	2018-04-05	1	7	1000
12	1	14	Steve Jobs	First Bag	2018-05-14	0	2	1500
13	3	38	Nuwan Perera	Office Bag	2018-05-24	0	0	1300
14	10	39	Amal Silverton	Sports Bag	2018-05-17	1	1	1000
15	14	38	Nuwan Perera	Hiking Bag	2018-05-24	1.5	1	1200
16	1	14	Steve Jobs	First Bag	2018-05-24	10	1	1500
17	4	14	Steve Jobs	Leather Bag	2018-05-18	2	1	3409
18	1	14	Steve Jobs	First Bag	2018-05-24	0	2039	1500
19	1	14	Steve Jobs	First Bag	2018-05-24	0	0	1500
20	1	14	Steve Jobs	First Bag	2018-05-24	0	1	1500
21	10	14	Steve Jobs	Sports Bag	2018-05-24	1	2	1000

Below the table, there are buttons for operations like Check all, With selected, Edit, Copy, Delete, and Export.

At the bottom, there are additional buttons for Print, Copy to clipboard, Export, Display chart, and Create view.

Vendor Table Its Attributes

Showing rows 0 - 7 (8 total, Query took 0.0003 seconds.)

SELECT * FROM `vendor`

	vendorID	fullName	email	mobile	phone2	address	address2	city	district	status	createdOn
<input type="checkbox"/>	1	ABC Company		2343567	0	80, Ground Floor, ABC Shopping Complex	46th Avenue	Kolpetty	Colombo	Active	2018-05-05 11:18:44
<input type="checkbox"/>	2	Sample Vendor 222	sample@volvo.com	99828282	283730183	123, A Road, B avenue	Pitipana	Nugegoda	Mannar	Disabled	2018-05-05 11:42:02
<input type="checkbox"/>	3	Johnson and Johnsons Co.		32323	0	34, Malwatta Road, Kottawa	Pannipitiya	Maharagama	Colombo	Disabled	2018-05-05 11:58:33
<input type="checkbox"/>	4	Louise Vitton Bag	vitton@vitton.usa.com	323234938	0	45, Palmer Valley, 5th Crossing	Delaware	Palo Alto	Batticaloa	Active	2018-05-05 11:59:41
<input type="checkbox"/>	6	Test Vendor	test@vendor.com	43434	47569937	Test address	Test address 2	Test City	Trincomalee	Active	2018-05-05 12:23:14
<input type="checkbox"/>	7	Bags Co. Exporters Ltd.		1111	0	Sea Road, Bambalapitya			Colombo	Active	2018-05-15 16:06:54
<input type="checkbox"/>	8	New Bags Exporters		191938930	0	123, A Road, B avenue,	Gifford Crescent	Colpetty	Colombo	Active	2018-05-16 18:06:53
<input type="checkbox"/>	9	A	a@gmail.com	999995	98866767	manila	Metro Manila	Manila City	Ampara	Active	2020-07-30 17:10:25

Check all With selected: Edit Copy Delete Export

Print Copy to clipboard Export Display chart Create view

User Table And Its Attributes

Showing rows 0 - 5 (5 total, Query took 0.0002 seconds.)

SELECT * FROM `user`

UPDATE `user` SET `username` = 'admin2' WHERE `user`.`userID` = 9;

	userID	fullName	username	password	status
<input type="checkbox"/>	5	Guest	guest	81dc9bdb52d04dc20036dbd8313ed055	Active
<input type="checkbox"/>	6	a	a	0cc175b9c0ff1b6a831c399e269772661	Active
<input type="checkbox"/>	7	admin	admin	c328ad0f94606de1fd2af172aba15b3	Active
<input type="checkbox"/>	8	dflhjk	dflhjk	83b751a79d983368e9ab8f39d08ccb	Active
<input type="checkbox"/>	9	admin2	admin2	e80711fc82d13299b0018ca6738a19f	Active
<input type="checkbox"/>	10	HGFDSA	BVCXZA	e10adc3949ba59abbe56e057120f883e	Active

Check all With selected: Edit Copy Delete Export

Console

Login

Username

Password

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Register

Name*

Username*

Password*

Re-enter password*

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Reset Password

Username

New Password

Confirm New Password

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Inventory System

Welcome admin2 | Log Out

Item

Purchase
Vendor
Sale
Customer
Search
Reports

Item Details

Item Number* Product ID

Item Name* Status

Description

Discount % Quantity* Unit Price* Total Stock

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Inventory System

Welcome admin2 | Log Out

Item

Purchase

Vendor

Sale

Customer

Search

Reports

Purchase Details

Item Number* Purchase Date* Purchase ID

Item Name* Current Stock Vendor Name*

Quantity* Unit Price* Total Cost

Add Purchase Update Clear

Inventory System

Welcome admin2 | Log Out

Item

Purchase

Vendor

Sale

Customer

Search

Reports

Vendor Details

Full Name* Status Vendor ID

Phone (mobile)* Phone 2 Email

Address*

Address 2

City District

Add Vendor Update Delete Clear

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Inventory System

Welcome admin2 | Log Out

- Item
- Purchase
- Vendor
- Sale**
- Customer
- Search
- Reports

Sale Details

Item Number*	Customer ID*	Customer Name	Sale ID
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Item Name		Sale Date*	
<input type="text"/>		2018-05-24	
Total Stock	Discount %	Quantity*	Unit Price*
<input type="text"/>	<input type="text"/> 0	<input type="text"/> 0	<input type="text"/> 0
<input type="button" value="Add Sale"/> <input type="button" value="Update"/> <input type="button" value="Clear"/>			

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Inventory System

Welcome admin2 | Log Out

- Item
- Purchase
- Vendor
- Sale
- Customer**
- Search
- Reports

Customer Details

Full Name*	Status	Customer ID
<input type="text"/>	<input type="text" value="Active"/>	<input type="text"/>
Phone (mobile)*	Phone 2	Email
<input type="text"/>	<input type="text"/>	<input type="text"/>
Address*		
<input type="text"/>		
Address 2		
City		District
<input type="text"/>		<input type="text" value="Colombo"/>
<input type="button" value="Add Customer"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Clear"/>		

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Inventory System

Welcome admin2 | Log Out

Item Purchase Vendor Sale Customer Search Reports

Search Inventory

Item Customer Sale Purchase Vendor

Use the grid below to search all details of items

Product ID	Item Number	Item Name	Discount %	Stock	Unit Price	Status	Description
34	1	First Bag	0	0	1500	Active	
35	2	School Bag	0	5	500	Active	
36	3	Office Bag	0	5	1300	Active	
37	4	Leather Bag	2	6	3409	Active	
38	5	Travel Bag	2	17	1200	Active	
39	6	Gym Bag	0	0	3000	Active	
40	7	Handbag	1.5	10	1650	Active	
41	8	Laptop Bag	2.1	9	2300	Active	
43	10	Sports Bag	1	90	1000	Active	
45	11	First Aid Bag	1.5	11	1200	Active	

Show 10 entries Search:

Showing 1 to 10 of 12 entries Previous 1 2 Next

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Inventory System

Welcome admin2 | Log Out

Item Purchase Vendor Sale Customer Search Reports

Search Inventory

Item Customer Sale Purchase Vendor

Use the grid below to search all details of customers

Customer ID	Full Name	Email	Mobile	Phone 2	Address	Address 2	City	District	Status
4	Bill Gates	bill@microsoft.com	993737	772484884	45, Palo Alto House, Marine Drive	South Carolina	Microsoft	Kurunegala	Active
14	Steve Jobs	sjobs@apple.com	333829832	0	1st Floor, Apple House, Las Vegas Street	Las Vegas	Las Vegas	Monaragala	Disabled
18	Asitha Silva	asitha@gmail.com	777987654	0	No. 3, Radcliff Avenue, School Lane	Kalutara South	Kalutara	Kalutara	Active
24	Sunil Perera	Sunil@gypsies.sound	338393932	413837293	67/7, Perera Villa, Jayasekara Avenue	Mount Lavinia	Ratmalana	Colombo	Active
25	Theresa May	may34@uk.gov.com	329393903	777833737	12, Downing Street	London	London	Matale	Active
26	Sachin Tendulkar	sachintendulkar@icc.com	444998303	84792838	789-4, Apartment 3, Cric Complex	New Delhi	Puttalam	Active	
38	Nuwan Perera	nuwan@yahoo.com	839378202	0	Nuwan Villa, Lower Street, North Mulaivitu	Mulaivitu	Mulaivitu	Mulaivitu	Active
39	Amal Silverton	amals452@yahoo.com	232345676	0	Amal's House, Amal's Street, Amal Road	Ambalangoda	Galle	Active	
40	Andrew Symonds	symonds@cricket.au.com	123	0	23, Oak View Avenue	Western Australia	Melbourne	Colombo	Disabled
41	Mark Taylor		111	0	111			Colombo	Active

Show 10 entries Search:

Showing 1 to 10 of 11 entries Previous 1 2 Next

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Item
Purchase
Vendor
Sale
Customer
Search
Reports

Search Inventory

Item Customer Sale Purchase Vendor

Use the grid below to search sale details

Show 10 entries

Sale ID	Item Number	Customer ID	Customer Name	Item Name	Sale Date	Discount %	Quantity	Unit Price	Total Price	Invoice pdf
1	3	4	Bill Gates	Office Bag	2018-05-24	5	2	1300	2470	
2	1	39	Amal Silverton	First Bag	2018-05-24	0	111	1500	166500	
3	4	18	Asitha Silva	Leather Bag	2018-05-24	2	1	3409	3340.82	
4	5	25	Theresa May	Travel Bag	2018-05-24	2	1	1200	1176	
5	6	24	Sunil Perera	Gym Bag	2018-05-24	0	1	3000	3000	
6	7	14	Steve Jobs	Handbag	2018-05-24	1.5	1	1650	1625.25	
7	3	4	Bill Gates	Office Bag	2018-05-24	0	3	1300	3900	
8	8	4	Bill Gates	Laptop Bag	2018-05-14	2.1	1	2300	2251.7	
9	6	26	Sachin Tendulkar	Gym Bag	2018-05-14	0	1	3000	3000	
10	5	25	Theresa May	Travel Bag	2018-05-14	2	9	1200	10584	

Showing 1 to 10 of 21 entries

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Item
Purchase
Vendor
Sale
Customer
Search
Reports

Search Inventory

Item Customer Sale Purchase Vendor

Use the grid below to search purchase details

Show 10 entries

Purchase ID	Item Number	Purchase Date	Item Name	Unit Price	Quantity	Vendor Name	Vendor ID	Total Price	Invoice PDF
39	1	2018-05-24	First Bag	1600	10	Johnson and Johnsons Co.	3	16000	
40	2	2018-05-18	First Bag	2341	2	Louise Vitton Bag	4	4682	
41	4	2018-05-07	Leather Bag	1234	3	Johnson and Johnsons Co.	3	3702	
42	1	2018-05-24	First Bag	345	12	Louise Vitton Bag	4	4140	
43	5	2018-05-03	Travel Bag	35	3	Johnson and Johnsons Co.	3	105	
44	5	2018-05-16	Travel Bag	3000	2	ABC Company	1	6000	
45	5	2018-05-21	Travel Bag	3000	10	Sample Vendor 222	2	30000	
46	4	2018-05-19	Leather Bag	1200	4	Johnson and Johnsons Co.	3	4800	
47	2	2018-05-10	School Bag	2	1	Sample Vendor 222	2	2	
48	1	2018-05-12	First Bag	2	9	ABC Company	1	18	

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- Item
- Purchase
- Vendor
- Sale
- Customer
- Search**
- Reports

Search Inventory Refresh

Item Customer Sale Purchase Vendor

Use the grid below to search vendor details

Show 10 entries Search:

Vendor ID	Full Name	Email	Mobile	Phone 2	Address	Address 2	City	District	Status
1	ABC Company		2343567	0	80, Ground Floor, ABC Shopping Complex	46th Avenue	Kolpetty	Colombo	Active
2	Sample Vendor 222	sample@volvo.com	99828282	283730183	123, A Road, B avenue	Pitipana	Nugegoda	Mannar	Disabled
3	Johnson and Johnsons Co.		32323	0	34, Malwatta Road, Kottawa	Pannipitiya	Maharagama	Colombo	Disabled
4	Louise Vittion Bag	vittion@vittion.usa.com	323234938	0	45, Palmer Valley, 5th Crossing	Delaware	Palo Alto	Batticaloa	Active
6	Test Vendor	test@vendor.com	43434	47569937	Test address	Test address 2	Test City	Trincomalee	Active
7	Bags Co. Exporters Ltd.		1111	0	Sea Road, Bambalapitiya			Colombo	Active
8	New Bags Exporters		191938930	0	123, A Road, B avenue,	Gilford Crescent	Colpetty	Colombo	Active
9	A	a@gmail.com	999995	98866767	manila	Metro Manila	Manila City	Amara	Active

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- Item
- Purchase
- Vendor
- Sale
- Customer
- Search
- Reports**

Reports Refresh

Item Customer Sale Purchase Vendor

Use the grid below to get reports for items

Show 10 entries Search:

Copy CSV Excel PDF Print

Product ID	Item Number	Item Name	Discount %	Stock	Unit Price	Status	Description
34	1	First Bag	0	0	1500	Active	
35	2	School Bag	0	5	500	Active	
36	3	Office Bag	0	5	1300	Active	
37	4	Leather Bag	2	6	3409	Active	
38	5	Travel Bag	2	17	1200	Active	
39	6	Gym Bag	0	0	3000	Active	
40	7	Handbag	1.5	10	1650	Active	
41	8	Laptop Bag	2.1	9	2300	Active	
43	10	Sports Bag	1	90	1000	Active	
45	11	First Aid Bag	1.5	11	1200	Active	

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Item Purchase Vendor Sale Customer Search Reports

Reports

Item Customer Sale Purchase Vendor

Start Date End Date
2018-05-24 2018-05-24

Show Report Clear

Show 10 entries

Copy CSV Excel PDF Print

Search:

Sale ID	Item Number	Customer ID	Customer Name	Item Name	Sale Date	Discount %	Quantity	Unit Price	Total Price	Invoice pdf
1	3	4	Bill Gates	Office Bag	2018-05-24	5	2	1300	2470	
2	1	39	Amal Silverton	First Bag	2018-05-24	0	111	1500	166500	
3	4	18	Asitha Silva	Leather Bag	2018-05-24	2	1	3409	3340.82	
4	5	25	Theresa May	Travel Bag	2018-05-24	2	1	1200	1176	
5	6	24	Sunil Perera	Gym Bag	2018-05-24	0	1	3000	3000	
6	7	14	Steve Jobs	Handbag	2018-05-24	1.5	1	1650	1625.25	
7	3	4	Bill Gates	Office Bag	2018-05-24	0	3	1300	3900	
8	8	4	Bill Gates	Laptop Bag	2018-05-14	2.1	1	2300	2251.7	
9	6	26	Sachin Tendulkar	Gym Bag	2018-05-14	0	1	3000	3000	
10	5	25	Theresa May	Travel Bag	2018-05-14	2	9	1200	10584	

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Bill_Gates_Sale_Invoice

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SALE INVOICE

Sale ID	Item Number	Customer ID	Customer Name	Item Name	Sale Date	Discount	Quantity	Unit Price RS	Address
1	3	4	Bill Gates	Office Bag	2018-05-24	5%	2	RS 1300	45, Palo Alto House, Marine Drive

Total Price:RS 2,470.00

Inventory System

Welcome admin2 | Log Out

Item
Purchase
Vendor
Sale
Customer
Search
Reports

Reports

Item Customer Sale Purchase **Vendor**

Start Date End Date
2018-05-24 2018-05-24

Show Report Clear

Show 10 entries

Copy CSV Excel PDF Print

Search:

Purchase ID	Item Number	Purchase Date	Item Name	Vendor Name	Vendor ID	Quantity	Unit Price	Total Price	Invoice PDF
39	1	2018-05-24	First Bag	Johnson and Johnsons Co.	3	10	1600	16000	
40	2	2018-05-18	First Bag	Louise Vitton Bag	4	2	2341	4682	
41	4	2018-05-07	Leather Bag	Johnson and Johnsons Co.	3	3	1234	3702	
42	1	2018-05-24	First Bag	Louise Vitton Bag	4	12	345	4140	
43	5	2018-05-03	Travel Bag	Johnson and Johnsons Co.	3	3	35	105	
44	5	2018-05-16	Travel Bag	ABC Company	1	2	3000	6000	
45	5	2018-05-21	Travel Bag	Sample Vendor 222	2	10	3000	30000	
46	4	2018-05-19	Leather Bag	Johnson and Johnsons Co.	3	4	1200	4800	
47	2	2018-05-10	School Bag	Sample Vendor 222	2	1	2	2	
48	1	2018-05-12	First Bag	ABC Company	1	9	2	18	
Total							56 (1078 total)	69449 (18415 total)	12759 (1283040 total)

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Johnson and Johnsons Co. Purchase In...

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PURCHASE INVOICE

Purchase ID	Item Number	Purchase Date	Item Name	Unit Price	Quantity	Vendor Name	Vendor ID	Address
39	1	2018-05-24	First Bag	1600	10	Johnson and Johnsons Co.	3	34, Malwatta Road, Kottawa

Total Price:RS 16,000.00

CHAPTER 6:

CONCLUSION

Inventory management has to do with keeping accurate records of goods that are ready for shipment. This often means having enough stock of goods to inventory total as well as subtracting the most recent shipments of finished goods to buyers, when the company has a return policy I place, there is usually a sub-category contained in the finished goods inventory to account for any returned goods that are reclassified or second-grade quality. accurately maintaining figures on the finished goods inventory makes it possible to quickly convey information to sales personnel as to what is available and ready for shipment at any given time by the buyer

Inventory management is important for keeping costs down while meeting regulations supply and demand is a delicate balance and inventory management hopes to ensure that the balance is undistributed. Highly trained inventory management and high-quality software will help make inventory management successful the ROI of inventory management will be seen in the forms of increased revenue and profits, a positive atmosphere, and an overall increase in customer satisfaction.

CHAPTER 7:

REFERENCES

1. "Building Web Applications with PHP and MySQL" by Steve Suehring is a book that provides a hands-on approach to building web applications using these technologies.
2. W3Schools (<https://www.w3schools.com/>) is a website that provides tutorials and references on web development technologies including HTML, CSS, JavaScript, and PHP.
3. "PHP and MySQL Web Development" by Luke Welling and Laura Thomson is another book that provides a comprehensive introduction to building dynamic web applications using PHP and MySQL.
4. "Web Database Applications with PHP and MySQL" by Hugh E. Williams and David Lane is a book that provides a guide to building data-driven web applications using PHP and MySQL.
5. "Pro PHP and MySQL" by Jason Gerner and Morgan Owens is another book that provides a guide to building web applications using PHP and MySQL, with a focus on more advanced topics.
6. PHP manual (<https://www.php.net/manual/en/index.php>) is the official documentation for the PHP programming language.
7. MySQL documentation (<https://dev.mysql.com/doc/>) provides reference manual for the MySQL.
8. TCPDF (<https://tcpdf.org/>) is a PHP library that allows you to create PDF documents.