# Report on
# Inventory Management System

## Submitted By

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## Under the Guidance Of

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# **Abstract**

The Inventory Control System in PHP is a simple project developed using PHP, JavaScript, and CSS. The project contains only the employee side. The user can manage all the management like editing, updating, adding, and removing items, customer, sale, purchase and also vendors. The user has to do all the management of this system.

In order to login to the system, the user has to login with the correct username and password. The employee can manage all the inventory information. This project makes a convenient way for the store/inventory admin to keep the records of items, customers, and orders in a proper way.

This Inventory Control System is in PHP, JavaScript, Bootstrap, and CSS. Talking about the features of this system, it contains only one section. All the editing, updating, managing products, orders, and employees are from the admin(employee) section. The design of this system is simple so that the user won't get any difficulties while working on it.

# Introduction

**Inventory management software** is a software system for tracking inventory levels, orders, sales and deliveries. It can also be used in the manufacturing industry to create a work order, bill of materials and other production-related documents. Companies use inventory management software to avoid product overstock and outages. It is a tool for organizing inventory data that before was generally stored in hard-copy form or in spreadsheets.

The software is used to track products and parts as they are transported from a vendor to a warehouse, between warehouses, and finally to a retail location or directly to a customer.

Without an inventory management system, the goods and products that flow through an organization will inevitably be in disarray. An inventory management system enables a company to maintain a centralized record of every asset and item in the control of the organization, providing a single source of truth for the location of every item, vendor and supplier information, specifications, and the total number of a particular item currently in stock.

Overall, a comprehensive inventory management system offers countless benefits to companies including:

- Improved cash flow
- Better reporting and forecasting capabilities
- Reduction in storage costs (overhead)
- Reduced labour costs
- Reduction in dead stock
- Better organization
- Enhanced transparency
- Improved supplier, vendor, and partner relationships

# System Modules:

Inventory System is in one section:

The Admin (Employee) Module.

The Admin (Employee) Module:

1. Dashboard
   - Item
   - Purchase
   - Vendor
   - Sale
   - Customer
   - Search
   - Reports
2. Item
   - Product ID
   - Item Number (Primary)
   - Item Name
   - Description
   - Discount
   - Stock
   - Unit Price
   - Image
   - Status
3. Purchase
   - Purchase ID (Primary)
   - Vendor ID
   - Item Name
   - Purchase Date
   - Item Number
   - Vendor Name
   - Unit Price
   - Quantity
4. Sale
   - Customer Name
   - Sale ID (Primary)
   - Item Number
   - Customer ID
   - Quantity
   - Unit Price
   - Discount
   - Sale Date
   - Item Name
   - Customer Name
5. Vendor
   - Vendor ID (primary)
   - Full Name

- Email
- Mobile
- Phone2
- Address
- Address2
- Status
- District
- City
- Created On
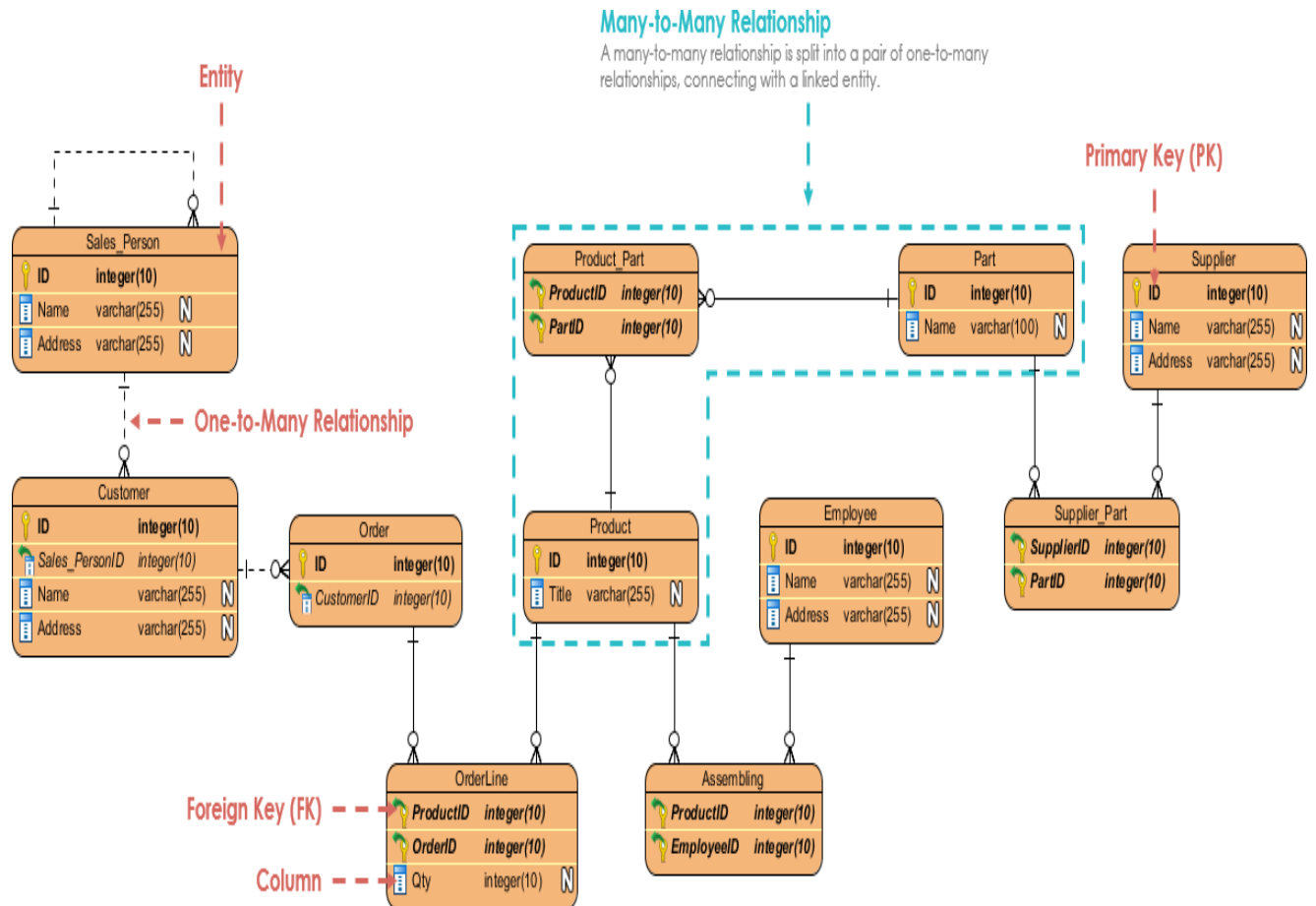
6. Customer
   - Customer ID (Primary)
   - Full Name
   - Email
   - Mobile
   - Phone2
   - Address
   - Address2
   - Status
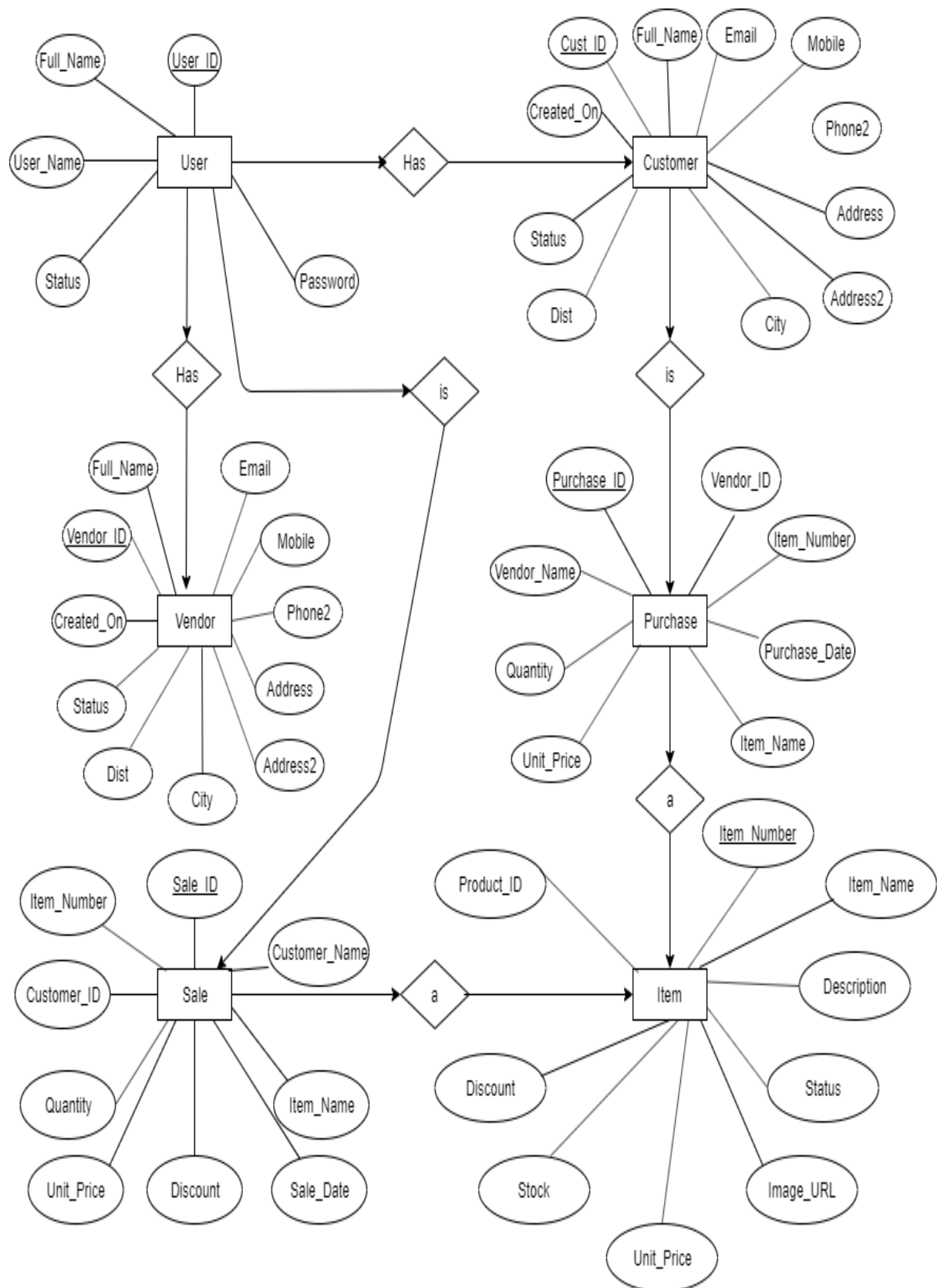   - District
   - City
   - Created On

7. User
   - User ID (Primary)
   - Full Name
   - User Name
   - Status
   - Password

# Database Design:

# E-R Diagram:

Report on Inventory Management System

# Screenshots

Inventory System                                      Welcome Guest  |  Log Out

Item

Purchase

Vendor

Sale

Customer

Search

Reports

Item Details

Item    Upload Image

Item Number*          Product ID

Item Name*            Status

Active

Description

Discount %      Quantity*      Unit Price*      Total Stock

0              0              0

Add Item   Update   Delete   Clear

Login

Username

guest

Password

••••

Login   Register   Reset Password   Clear

Report on Inventory Management System

Welcome Guest    |    Log Out

Item
Purchase
**Vendor**
Sale
Customer
Search
Reports

### Vendor Details

Full Name*

Status
Active

Vendor ID

Phone (mobile)*

Phone 2 not enter leading 0

Email

Address*

Address 2

City

District
Colombo

Add Vendor    Update    Delete    Clear

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Inventory System

Welcome Guest    |    Log Out

Item
Purchase
Vendor
**Sale**
Customer
Search
Reports

### Sale Details

Item Number*

Customer ID*

Customer Name

Sale ID

Item Name

Sale Date*
2018-05-24

Total Stock

Discount %
0

Quantity*
0

Unit Price*
0

Total

Add Sale    Update    Clear

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# Report on Inventory Management System

## Inventory System

**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

Copy | CSV | Excel | PDF | Print

Search:

| Product ID | Item Number | Item Name | Discount % | Stock | Unit Price | Status | Description |
|---|---|---|---|---|---|---|---|
| 34 | 1 | First Bag | 0 | 28 | 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 | 92 | 1000 | Active | |
| 45 | 11 | First Aid Bag | 1.5 | 11 | 1200 | Active | |
| Product ID | Item Number | Item Name | Discount % | Stock | Unit Price | Status | Description |

Showing 1 to 10 of 12 entries

Previous | 1 | 2 | Next

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## Inventory System

Welcome Guest | Log Out

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

### Customer Details

Full Name*

Status
Active

Customer ID

Phone (mobile)*

Phone 2

Email

Address*

Address 2

City

District
Colombo

Add Customer | Update | Delete | Clear

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# Report on Inventory Management System



**Inventory System**                                    Welcome Guest   |   Log Out

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

Item    Customer    Sale    **Purchase**    Vendor

Use the grid below to search purchase details

Show 10 entries                                           Search: [_____]

| Purchase ID | Item Number | Purchase Date | Item Name | Unit Price | Quantity | Vendor Name | Vendor ID | Total Price |
|---|---|---|---|---|---|---|---|---|
| 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 | Handbag | 2 | 9 | ABC Company | 1 | 18 |
| **Purchase ID** | **Item Number** | **Purchase Date** | **Item Name** | **Unit Price** | **Quantity** | **Vendor Name** | **Vendor ID** | **Total Price** |

Showing 1 to 10 of 13 entries                      Previous  1  2  Next

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**Inventory System**                                    Welcome Guest   |   Log Out

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

Item Number*          Purchase Date*          Purchase ID
[_____]           [2018-05-24]            [_____]

Item Name*            Current Stock           Vendor Name*
[_____]           [_____]             [ABC Company ▼]

Quantity*             Unit Price*             Total Cost
[0]                   [0]                     [_____]

[Add Purchase]  [Update]  [Clear]

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# Future scope

In future releases, Inventory System will have the following features:

- Graphical representation of data.

- Determination of safety stock.

- Effectiveness towards running of store.

- More detailed Statistics.

- Determination of economic order quantity.

- Minimum material handling and storage cost.

- Bill generation.

# Conclusion

Hence, through this project we have successfully implemented Inventory Management System Project as DBMS project and can be use in any warehouse/shop to manage their stock and to keep track of their business.

Report on Inventory Management System

```php
<?php

    require 'inc/navigation.php';

?>

  <!-- Page Content -->

  <div class="container-fluid">

      <div class="row">

            <div class="col-lg-2">

            <h1 class="my-4"></h1>

                  <div class="nav flex-column nav-pills" id="v-pills-tab" role="tablist"
aria-orientation="vertical">

                        <a class="nav-link active" id="v-pills-item-tab" data-toggle="pill"
href="#v-pills-item" role="tab" aria-controls="v-pills-item" aria-selected="true">Item</a>

                        <a class="nav-link" id="v-pills-purchase-tab" data-toggle="pill"
href="#v-pills-purchase" role="tab" aria-controls="v-pills-purchase" aria-
selected="false">Purchase</a>

                        <a class="nav-link" id="v-pills-vendor-tab" data-toggle="pill"
href="#v-pills-vendor" role="tab" aria-controls="v-pills-vendor" aria-
selected="false">Vendor</a>

                        <a class="nav-link" id="v-pills-sale-tab" data-toggle="pill" href="#v-
pills-sale" role="tab" aria-controls="v-pills-sale" aria-selected="false">Sale</a>

                        <a class="nav-link" id="v-pills-customer-tab" data-toggle="pill"
href="#v-pills-customer" role="tab" aria-controls="v-pills-customer" aria-
selected="false">Customer</a>

                        <a class="nav-link" id="v-pills-search-tab" data-toggle="pill"
href="#v-pills-search" role="tab" aria-controls="v-pills-search" aria-
selected="false">Search</a>
```

```
                    <a class="nav-link" id="v-pills-reports-tab" data-toggle="pill"
href="#v-pills-reports" role="tab" aria-controls="v-pills-reports" aria-
selected="false">Reports</a>

                </div>

            </div>

             <div class="col-lg-10">

                <div class="tab-content" id="v-pills-tabContent">

                    <div class="tab-pane fade show active" id="v-pills-item"
role="tabpanel" aria-labelledby="v-pills-item-tab">

                        <div class="card card-outline-secondary my-4">

                          <div class="card-header">Item Details</div>

                          <div class="card-body">

                            <ul class="nav nav-tabs" role="tablist">

                                <li class="nav-item">

                                    <a class="nav-link active" data-
toggle="tab" href="#itemDetailsTab">Item</a>

                                </li>

                                <li class="nav-item">

                                    <a class="nav-link" data-toggle="tab"
href="#itemImageTab">Upload Image</a>

                                </li>

                            </ul>


                            <!-- Tab panes for item details and image sections -->

                            <div class="tab-content">
```

```
<div id="itemDetailsTab" class="container-fluid
tab-pane active">

    <br>

    <!-- Div to show the ajax message from
validations/db submission -->

    <div id="itemDetailsMessage"></div>

    <form>

      <div class="form-row">

        <div class="form-group col-md-
3" style="display:inline-block">

          <label
for="itemDetailsItemNumber">Item Number<span class="requiredIcon">*</span></label>

          <input type="text" class="form-
control" name="itemDetailsItemNumber" id="itemDetailsItemNumber"
autocomplete="off">

          <div
id="itemDetailsItemNumberSuggestionsDiv" class="customListDivWidth"></div>

        </div>

        <div class="form-group col-md-
3">

          <label
for="itemDetailsProductID">Product ID</label>

          <input class="form-control
invTooltip" type="number" readonly  id="itemDetailsProductID"
name="itemDetailsProductID" title="This will be auto-generated when you add a new item">

        </div>

      </div>
```

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```
<div class="form-row">

    <div class="form-group col-md-6">

        <label for="itemDetailsItemName">Item Name<span class="requiredIcon">*</span></label>

        <input type="text" class="form-control" name="itemDetailsItemName" id="itemDetailsItemName" autocomplete="off">

        <div id="itemDetailsItemNameSuggestionsDiv" class="customListDivWidth"></div>

    </div>

    <div class="form-group col-md-2">

        <label for="itemDetailsStatus">Status</label>

        <select id="itemDetailsStatus" name="itemDetailsStatus" class="form-control chosenSelect">

            <?php include('inc/statusList.html'); ?>

        </select>

    </div>

</div>
```