

Progressive Education Society's  
Modern College of Arts, Science & Commerce  
Business Administration Campus  
Shivajinagar, Pune-411005.

## CERTIFICATE

***This is to certify that***

**Qais Mohammed Haneef Warekar 2000624**

**Omkar Anil Bhujbal 2000642**

Have satisfactorily completed the project, entitled

***Clothing Shop Management System***

For the **Project Management** course towards partial fulfillment of  
**B.B.A.-C.A (Sem-V)** course of **Savitribai Phule Pune University**  
for the academic year **2022-2023** as a part of curriculum.

**Date: / /**

**College Stamp**

**Project Guide**

**Internal Examiner**

**External Examiner**

# *ACKNOWLEDGEMENTS*

We have a great pleasure to present this project on-  
*Clothing Shop Management System*

We have thankful to P. E. Society's Modern College of  
Arts, Science & Commerce, Shivajinagar, Pune-41005.

For giving us the opportunity to carry out B.B.A.-CA (Sem-V)  
project at their concern.

Many people have contribution in this project report, we are grateful to  
**Prof .M.D.Alandikar**, the Vice-Principal for his co-operation. Our special  
thanks to Prof. Gauri Khire for her constructive suggestions and  
comments and for lending her expertise and talent when needed. And  
above all, we thank the Almighty for his grace and blessings.

Finally, we would like thank each and everyone who was directly or  
indirectly involved with this project report.

# **Index**

1. Introduction
  - Introduction to system
  - Scope of the system
  - Proposed System
2. Analysis
  - Fact Finding Technique
  - Feasibility Study
  - Hardware & Software Requirement
3. System Design
  - E-R Diagram
  - Context Level Diagram
  - Data Flow Diagram
  - File Design
  - Data Dictionary
4. Form Design (with input values)
5. Reports
6. Advantages & Limitations
7. Future Enhancement
8. Bibliography

# Introduction

# Introduction To System

This software product is developed to automate the functions of a User Friendly Clothing Store. The purpose of the software project is to develop a program which provides a friendly interface for the shop admin and other employees to view, search and create and new relevant shop data and reports. The program mainly brings forth the usage of GUI Programming in the daily usage. Clothing shop management provides several facilities that are needed for the smooth operations of a shop. This includes operation management, employee management and customer enquiry maintenance.

This software, being simple in design and working, does not require much of training to users, and can be used as a powerful tool for automating the Clothing Store. The program is tied with database for easy access and interface to the database. Using this application, we can store, retrieve and manage all information in a proper way.

Clothing Shop Management is defined as an overall operation maintenance of entire shop records, including services and utilities, ensuring that they are used in a way that are consistent with the purpose for which it was acquired.

# Scope Of The System

In its current scope, the software enables user to retrieve and update information from centralized database designed with MS Access. This software does not require much training time of the users due to limited functionality and simplicity.

During the development of 'Clothing store management system' main tasks taken into consideration were adding data, retrieving data and updating previously entered data. These tasks include adding an employee, managing employee with facilities like payroll, resolving customer enquiries, searching for a particular record in database and finally the ability to update a record.

The shop admin can manage the inventory of his/her shop. Admin also receives a total sales report. The main aspect of a clothing shop is Billing. This project allows the admin to create and print bills on the spot without the need for manual work. Inventory is updated accordingly.

# Proposed System

The aim of developing Clothing shop management system is to replace traditional way of taking office registrations with computerized system. Another important reason for developing this project is to prepare bills and sales report quickly and in correct format at any point of time when required.

In this project, we will be designing a simple clothing shop using object oriented technology. The system will allow the admin to perform multiple CRUD operations and relevant data.

The project contains:

- Secure registration of user
- Easy bill generation
- Employee payroll management
- Sales report
- Navigation to desired form

ANALYSIS



# Fact Finding Technique

There are five widely used fact-finding techniques:

- Examining Documentation
- Interviewing
- Observing the enterprise in action
- Research
- Questionnaires

**Examining documentation** can be helpful when you try to gain some insight as to how the requirement for a database arose. You may also find that documentation can help to acquire information on the part of the enterprise associated with the problem. If the problem relates to the current system, there should have to be documents associated with that system. By examining documents, forms, reports, and files associated with the current system, you can quickly gain some thoughtful concepts out of the system.

**Interviewing** is the most frequently used, and usually the most useful, fact-finding procedure used. We can interview to collect information from person face-to-face. There can be several objectives for using interviewing, such as finding out facts, verifying those facts, clarifying these released facts, generating enthusiasm, getting the end-user involved, identifying requirements, and gathering ideas and opinions. However, using the interviewing practice must require proper communication skills for dealing effectively with people who have different values, priorities, opinions, motivations, and personalities.

**Observing the enterprise in action:** Observing the enterprise in action: Observation is one of the most successful fact-finding techniques carried out for understanding a system. Using this technique, it is achievable to either participate in or observe a person perform activities to learn about the system.

**Research:** A useful fact-finding technique is to research the application or the problem that you are dealing with and want to put within a database. Computer trade journals, reference books, and the Internet are good sources of information that can make available the vast quantity of information on how others have solved similar problems/issues plus whether or not any software packages exist to resolve or even partially solve your current problem.

**Questionnaires:** Another fabulous fact-finding method is to conduct surveys through questionnaires. Questionnaires are special-purpose documents that allow facts to be gathered from a large number of people while upholding some control over their responses. When dealing with a large number of listeners or audience, no other fact-

finding technique can tabulate the same facts so efficiently. There are two types of questions that can be asked in a questionnaire, namely *free-format* and *fixed-format*. *Free-format* questions offer the respondent greater freedom inputting answers. *Fixed-format* questions require specific responses from individuals, and for the given question, the respondent must choose from the available answers.

# Feasibility Study

A feasibility study is a detailed analysis that considers all of the critical aspects of a proposed project in order to determine the likelihood of it succeeding. Success in business may be defined primarily by return on investment, meaning that the project will generate enough profit to justify the investment.

Feasibility study includes consideration of all possible ways to provide a solution to the given problem. The proposed solution should satisfy the user requirements and should be flexible enough so that future changes can be easily done based on the future upcoming requirements.

- **Economic Feasibility**

This is a very important aspect to be considered while developing a project. We decided the technology based on minimum cost factor.

- All hardware and software cost has to be borne by the organization

- **Technical Feasibility**

This included the study of function, performance and constraints that may affect the ability to achieve an acceptable system. For this feasibility study, we studied complete functionality to be provided in the system, as described in the System Requirement Specification (SRS), and checked if everything was possible using desired platforms.

- **Behavioral Feasibility**

No doubt the proposed system is fully GUI based that is very user friendly and all inputs to be taken are self-explanatory.

# Hardware & Software Requirement

## **SOFTWARE REQUIREMENT**

Front End: C#

Back End: Microsoft Access

## **HARDWARE REQUIREMENT**

Processor: Intel Pentium 2, 3 or higher; AMD Ryzen 3 or higher

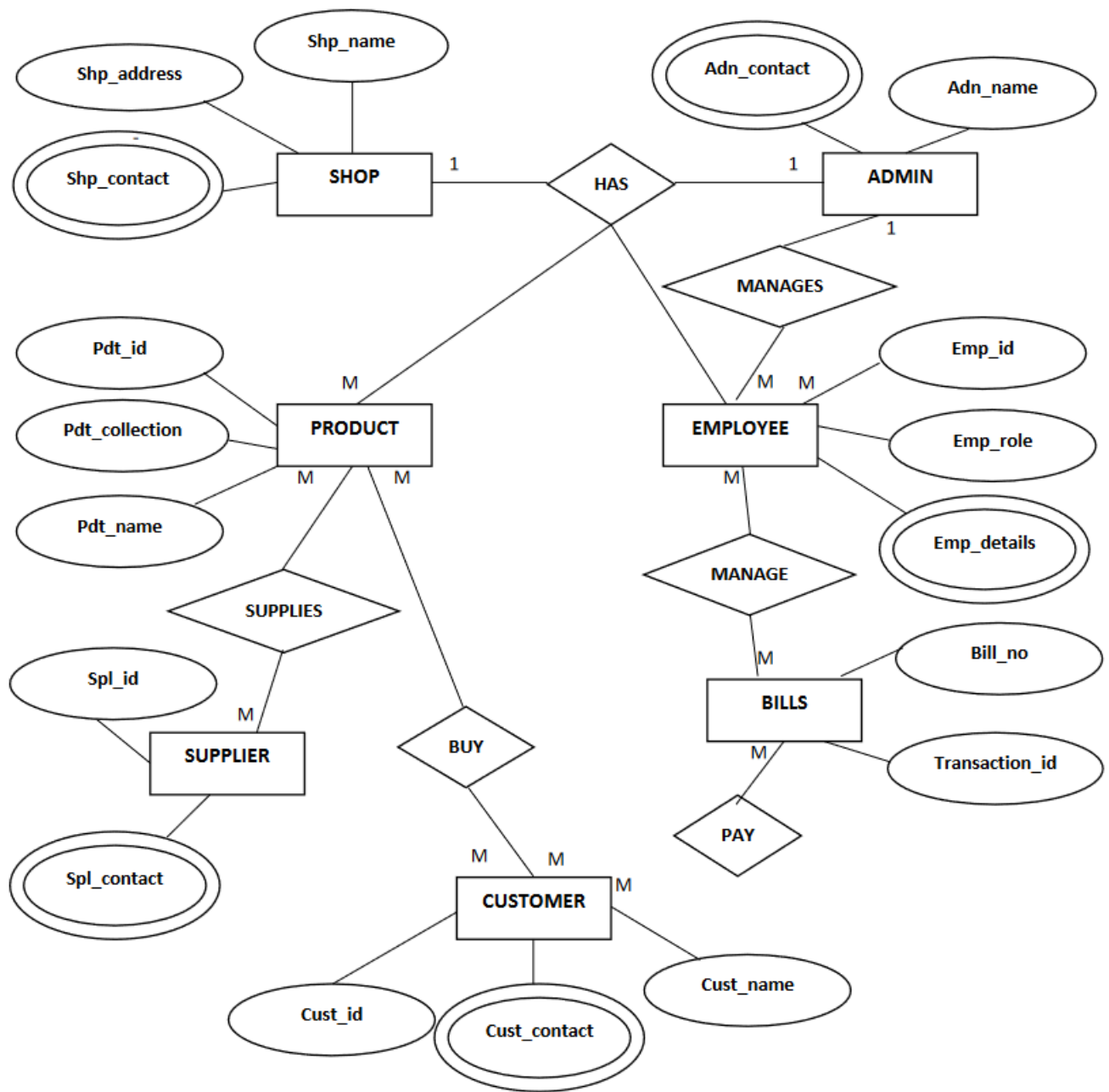
Operating System: Windows 7 or higher

RAM: 4 GB

Hard Disk: 128 GB

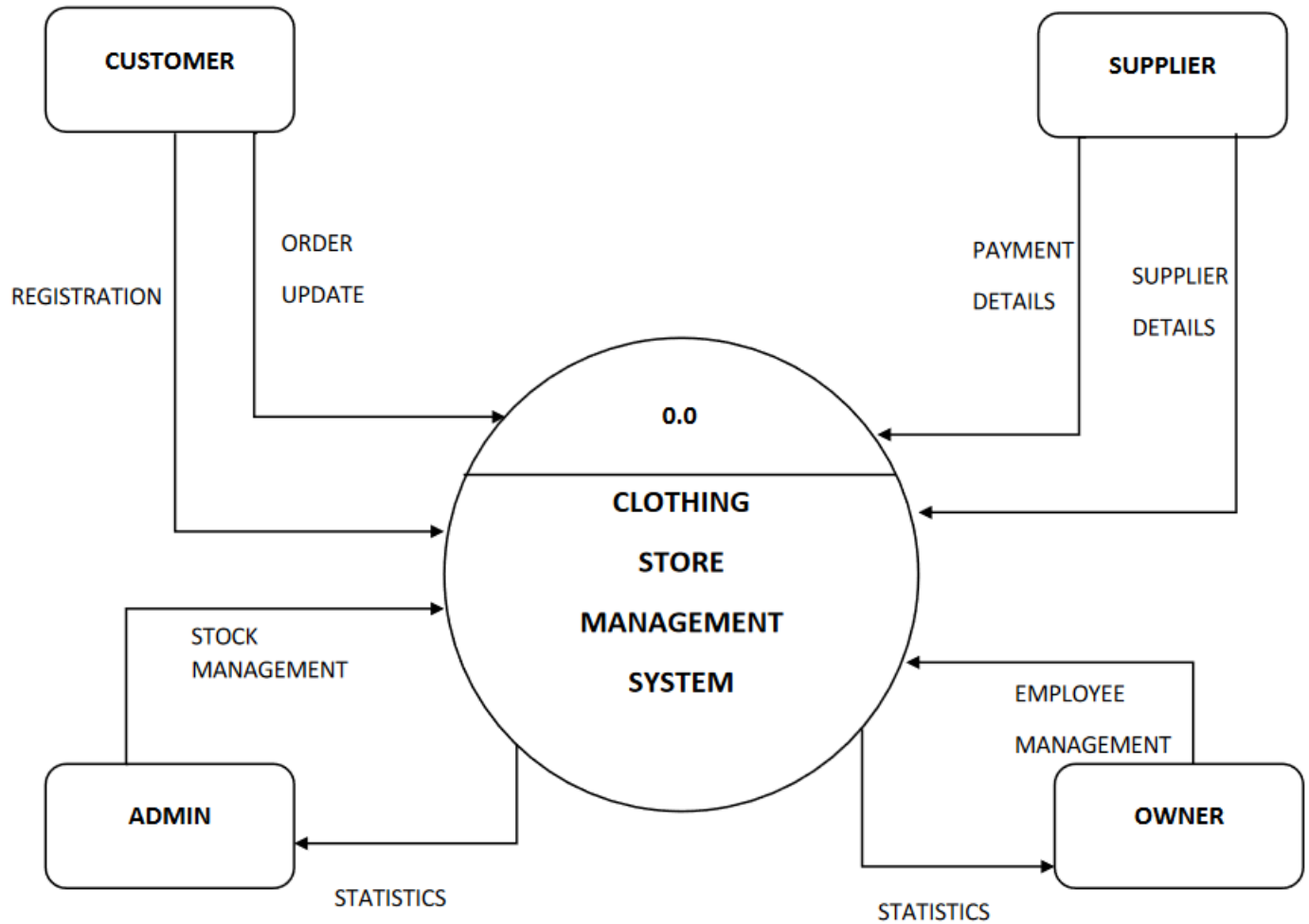
# System Design

# **ER-DIAGRAM**

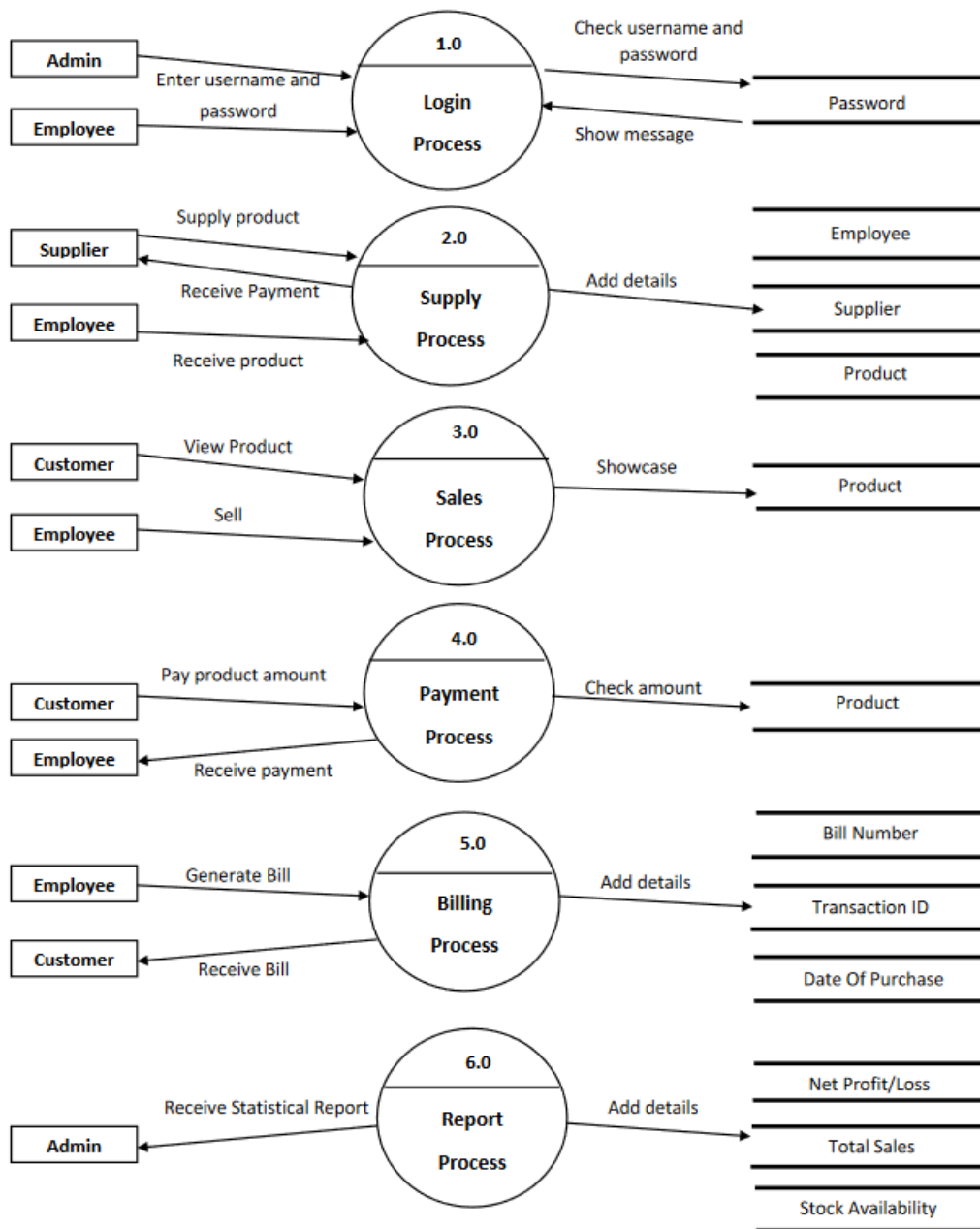


# **CONTEXT LEVEL DIAGRAM**





# **DATA FLOW DIAGRAM**



# DATA DICTIONARY

## Bill Details:

Field Name	Data Type	Constraints	Description
Cust_ID	Short_Text	Foreign Key	Customer ID
Total	Short_Text	Not Null	Bill Total
Date	Short_Text	Not Null	Date Of Bill

## Customer Details:

Field Name	Data Type	Constraints	Description
Cust_ID	Short Text	Primary Key	Customer ID
Cust_Name	Short Text	Not Null	Customer Name
Cust_Reg_Date	Short Text	Not Null	Customer Date of Registration
Cust_PhNo	Short Text	Not Null	Customer Contact
Cust_Email	Short Text	Not Null	Customer Email
Enquiry_ID	Short Text	-	Enquiry ID

## Employee Details:

Field Name	Data Type	Constraints	Description
E_ID	Short Text	Primary Key	Employee ID
E_Role	Short Text	Not Null	Employee Role
E_Name	Short Text	Not Null	Employee Name
E_Email	Short Text	Not Null	Employee Email
E_PhNo	Short Text	Not Null	Employee Contact
E_Addr	Short Text	Not Null	Employee Address
E_DOJ	Short Text	Not Null	Employee Date of Joining

## Enquiry Details:

Field Name	Data Type	Constraints	Description
Enq_ID	Short_Text	Not Null	Enquiry ID
Cust_ID	Short_Text	Primary Key	Customer ID
Enquiry_Subject	Short_Text	Not Null	Enquiry Type
Ticket_Status	Short Text	Not Null	Ticket Status

**Inventory Details:**

Field Name	Data Type	Constraints	Description
Prod_ID	Short Text	Primary Key	Product ID
Prod_Name	Short Text	Not Null	Product Name
Prod_Type	Short Text	Not Null	Product Type
Prod_Stock	Short Text	Not Null	Product Stock
Prod_Price	Short Text	Not Null	Product Price
Supl_ID	Short Text	Foreign Key	Supplier ID
Supl_Name	Short Text	Not Null	Supplier Name
Prod_Next_Refill	Short Text	Not Null	Product Next Stock Fill

**Login Details:**

Field Name	Data Type	Constraints	Description
A_ID	Short_Text	Not Null	Admin ID
Name	Short_Text	Primary Key	Admin Name
Username	Short_Text	Not Null	Admin Username
Password	Short Text	Not Null	Admin Password
Email	Short Text	Not Null	Admin Email

**Payroll Details:**

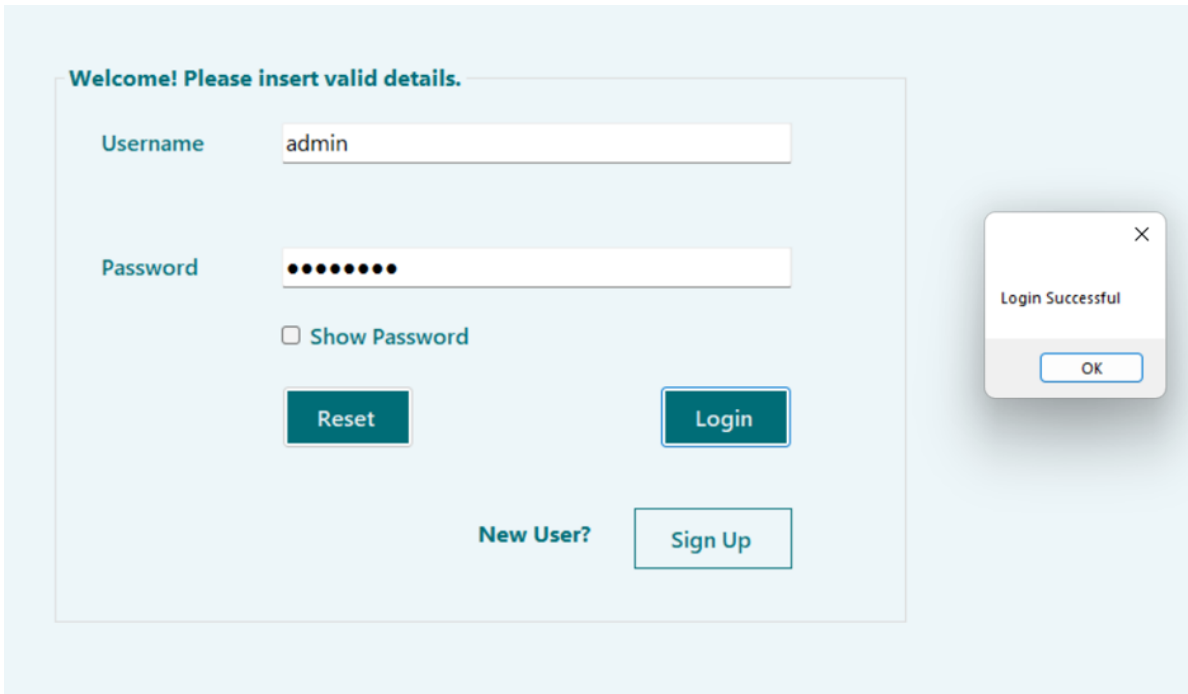
Field Name	Data Type	Constraints	Description
E_ID	Short Text	Foreign Key	Employee ID
E_Role	Short Text	Not Null	Employee Role
E_Name	Short Text	Not Null	Employee Name
Worked_Days	Short Text	Not Null	Monthly Worked Days
Overtime_Days	Short Text	Not Null	Monthly Overtime Days
Daily_Wage	Short Text	Not Null	Daily Wage
TA	Short Text	Not Null	Travel Allowance
HRA	Short Text	Not Null	House Rent Allowance
Income_Tax	Short Text	Not Null	Income Tax (%)
Bonus	Short Text	Not Null	Bonus Salary
CTC	Short Text	Not Null	Total CTC

**Supplier Details:**

Field Name	Data Type	Constraints	Description
Supl_ID	Short Text	Primary Key	Supplier ID
Supl_Name	Short Text	Not Null	Supplier Name
Supl_PhNo	Short Text	Not Null	Supplier Contact
Supl_Email	Short Text	Not Null	Supplier Email
Supl_Addr	Short Text	Not Null	Supplier Address
Supl_Type	Short Text	Not Null	Supplier Product Type

# **Form Design (With Input Values)**

## Admin Login:



Admin Login Form

Welcome! Please insert valid details.

Username: admin

Password: [Masked]

☐ Show Password

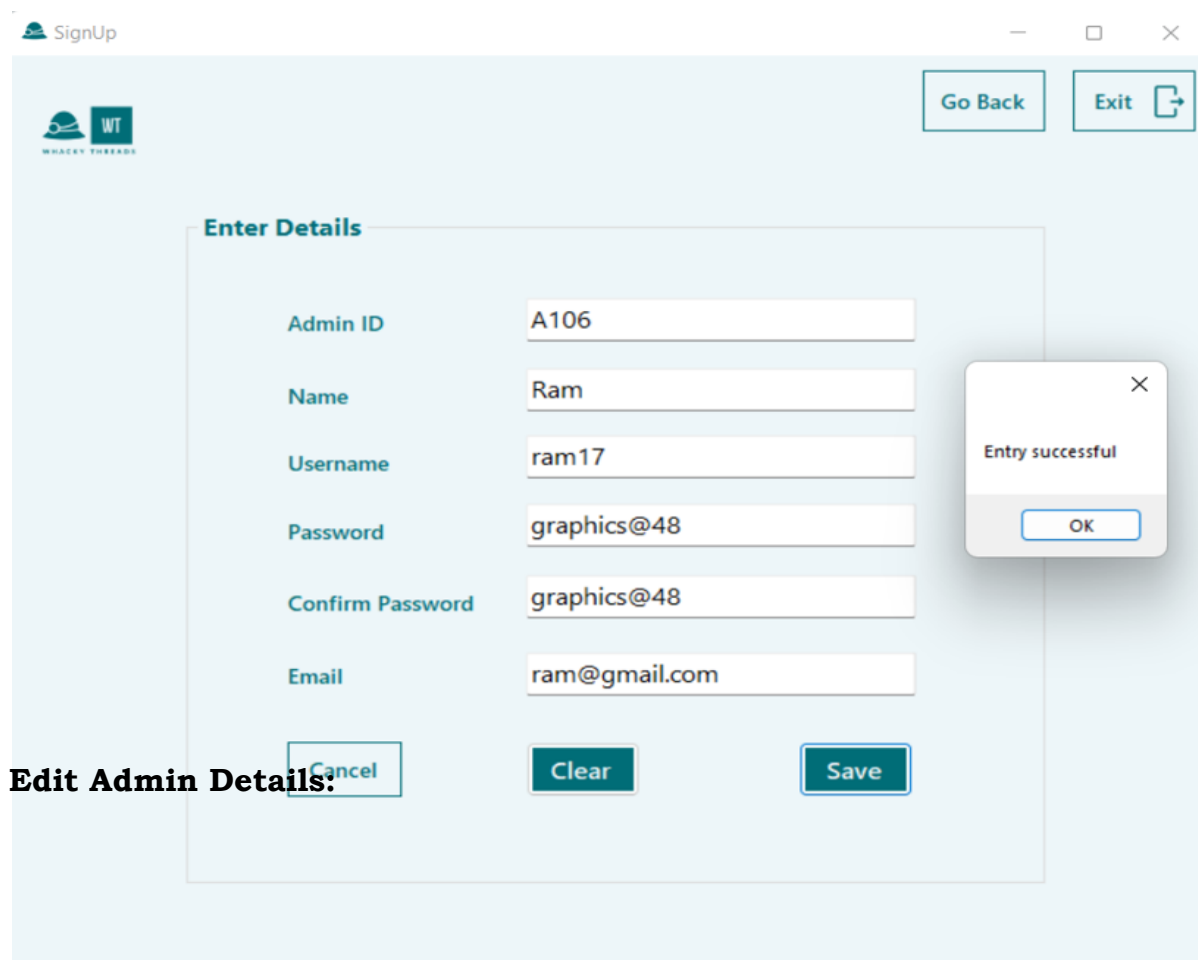
Reset Login

New User? Sign Up

Login Successful

OK

## Admin Registration:



Admin Registration Form

SignUp

Go Back Exit

Enter Details

Admin ID: A106

Name: Ram

Username: ram17

Password: graphics@48

Confirm Password: graphics@48

Email: ram@gmail.com

Cancel Clear Save

Entry successful

OK

## Edit Admin Details:



## Edit Admin Details:

Enter Admin ID

A101

Go

Remove Profile

Manage your details here

Name

Frank

Username

admin

Password

••••••••

👁

Re-enter Password

••••••••

👁

Email

frank@gmail.com

Cancel

Clear

Save

×

Edited Admin Details Successfully

OK

## Search Product:

### Search Products

Enter Product ID

	Prod_ID	Prod_Name	Prod_Type	Prod_Stock	Supl_ID	Supl_Name
▶	P101	Shirt	TopWear	200	S102	Richie

## Add Product:

### Enter Product Details

Product ID	<input type="text" value="P120"/>
Product Name	<input type="text" value="Pant"/>
Supplier ID	<input type="text" value="S115"/>
Supplier Name	<input type="text" value="Raymond"/>
Product Type	<input type="text" value="Formals"/>
Stock	<input type="text" value="50"/>
Price	<input type="text" value="4500"/>
Next Refill	<input type="text" value="30 October 2022"/>

×

Entry successful

## Edit Product Details:

Enter Product ID

P120

Go

Edit Product Details

Product Name

Pant

Stock

100

Next Refill Date

30 October 2022

Cancel

Clear

Save

×

Edited Product Details Successfully

OK

## Search Supplier:

Search Suppliers

Enter Supplier ID

S102

Go

	Supl_ID	Supl_Name	Supl_PhNo	Supl_Email	Supl_Addr	Supl_Type
▶	S102	Richie	8765432109	yy@gmail.com	123, Dell St, ...	BottomWear

## Add Supplier:

Enter Supplier Details

Supplier ID

S116

Supplier Name

Raymond

Supplier Email

raymond@gmail.com

Supplier Phone No

982374891

Supplier Address

Raymond St, Pune

Supplier Type

TopWear

Cancel

Clear

Save

×

Entry successful

OK

I

(

## Edit Supplier Details:

Enter Supplier ID

S116

Go

Edit Supplier Details

Supplier Name

Raymond

Supplier Email

raymond@gmail.com

Supplier Phone No

7816478141

Supplier Address

Raymond St, Pune

Supplier Type

TopWear

Cancel

Clear

Save

×

Edited Supplier Successfully

OK

## Search Enquiries:

**Search Enquires**

Enter Enquiry ID

	Enq_ID	Cust_ID	Enquiry_Subject	Ticket_Status
▶	T101	C103	Refund	Open
	T102	C104	Return	Closed
	T103	C111	Cancellation	Closed
	T104	C114	Cancellation	Closed
	T105	C112	Exchange	Closed
	T106	C105	Cancellation	Open

## Create New Enquiry:

**Create Enquiry Ticket**

Customer ID

C117

Enquiry ID

T107

Enquiry Type

Return

Cancel

Clear

Save

✕

Entry successful

OK

## Search Customer:

### Search Customers

Enter Customer ID

	Cust_ID	Cust_Name	Cust_Reg_Date	Cust_PhNo	Cust_Email
▶	C103	Boa	05-10-2022	8456456466	boa@gmail.com

## Add Customer:

### Enter Customer Details

Customer ID

Customer Name

Customer Email

Customer Phone No

✕

Entry successful

### Edit Customer Details:

Enter Customer ID

C119

Go

Edit Customer Details

Customer Name

Harry

Customer Email

harry@gmail.com

Customer Phone No

8765509898

Cancel

Clear

Save

×

Edited Customer Successfully

OK

### Search Employee:

Search Employee

Enter Employee ID

E101

Go

	E_ID	E_Name	E_Email	E_PhNo	E_Addr	E_DOJ
▶	E101	Jimmy	jimmy@gmai...	8978946589	Jimmy St, Pu...	11-09-2022

### Add Employee:

#### Enter Employee Details

Employee ID	<input type="text" value="E121"/>
Employee Name	<input type="text" value="Timmy"/>
Employee Email	<input type="text" value="timmy@gmail.com"/>
Employee Phone No	<input type="text" value="8712461820"/>
Employee Address	<input type="text" value="Timmy St, Pimpri"/>
Employee DOJ	<input type="text" value="11 October 2022"/>

×

Entry successful

### Edit Employee Details:

### Edit Employee Details:

Enter Employee ID

#### Edit Employee Details

Employee Name	<input type="text" value="Timmy"/>
Employee Email	<input type="text" value="timmy@gmail.com"/>
Employee Phone No	<input type="text" value="8712461820"/>
Employee Address	<input type="text" value="Timmy St, Pune"/>
Employee DOJ	<input type="text" value="11 October 2022"/>

×

Edited Employee Successfully



## Payroll:



Enter Employee ID

E120

Go

### Generate PaySlip

Employee Name: **Adam**

Employee Role: **Cleaner**

Worked Days

HRA

Overtime Days

Income Tax

Daily Wage

Bonus

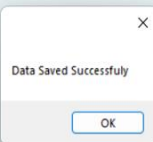
TA

Cancel

Submit

CTC **20000**

Save



# REPORTS

## Sales Report:

The screenshot shows the first page of a report in SAP Crystal Reports. The report title is 'WHACKY THREADS'. The date and time are 11-10-2022 22:38:28. The report contains a table with three columns: Cust ID, Total, and Date. The first row of data shows Cust ID C101, Total 14400, and Date 09-10-2022. The status bar at the bottom indicates 'Current Page No.: 1', 'Total Page No.: 3', and 'Zoom Factor: 100%'.

<u>Cust ID</u>	<u>Total</u>	<u>Date</u>
C101	14400	09-10-2022

The screenshot shows the third page of the report in SAP Crystal Reports. The report title is 'WHACKY THREADS'. The date and time are 11-10-2022 22:38:28. The report contains a table with three columns: Cust ID, Total, and Date. The first row of data shows Cust ID C101, Total 14400, and Date 09-10-2022. The status bar at the bottom indicates 'Current Page No.: 3', 'Total Page No.: 3', and 'Zoom Factor: 100%'.

<u>Cust ID</u>	<u>Total</u>	<u>Date</u>
C101	14400	09-10-2022

# ADVANTAGES & LIMITATIONS

**Advantages:**

- Work becomes steady
- Easy to update information
- Access of any information individually
- Accuracy in work
- Easy to create bills
- Decreased the load of person involved in existing manual system

**Limitations:**

- Software can store records and produce reports in pre-designed format. There is no facility yet to produce customized reports
- Some application areas like editing bills, total customer purchases, etc. are not implemented in the project

# FUTURE ENHANCEMENT

So far as the future scope of the project is concerned, firstly, it is open to any modular expansion i.e. other modules or functions can be designed and embedded to handle the user need in future. Any part of the software can be modified independently without much effort. User feedback will be collected in order to make consistent UI updates. An adequate searching mechanism will also be provided.

# BIBILO- GRAPHY



**Web Links:**

<https://www.w3schools.com/cs/index.php>

<https://stackoverflow.com/>

<https://answers.sap.com/questions/>

<https://colors.co/>

<https://codebun.com/>

<https://www.geeksforgeeks.org/>

<https://express.adobe.com/>