

# **“Textile Industry Work Order Management System”**

## **PROJECT REPORT**

Submitted for CAL in B.Tech Data Base Management System (CSE2004)

By

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Slot:B2

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## **ABSTRACT**

In this project we developed Textile Work order Management System that briefly describes about the requirements, design and all special features of this system. Through this system our traditional textile work process will turn into an automated textile work process, where every order quantity, order list, buyer list, buyer information, deadline schedule, Employee information, Quality workers and Quality tests. Every department user has a User ID and Password. So they can login to their panel and they will be able to update their work process, see their present status and print report. This website will provide the Admin a clear view of product current information for delivery the product in due time to buyer.

## **CERTIFICATE**

This is to certify that the Project work entitled “ *Textile Industry work order Management system*” that is being submitted by “*Pruthviraj.R.Patil*” for CAL in BTech Database Management System CSE2004 is a record of bonafide work done under my supervision. The contents of this Project work, in full or in parts, have not been submitted for any other CAL course.

Place : Chennai

Date : 03-05-2017

**Signature of Students: Pruthviraj.R.Patil**

**Signature of Faculty: Dr.Renukadevi.S**

## **ACKNOWLEDGEMENTS**

I am thankful to my parents for giving us support and encouragement during the completion of this project. I am also thankful to VIT University for giving me the opportunity for working on this project.

I thank to my faculty Dr.Renukadevi for guiding me during the completion of this project.

**Pruthviraj.R.Patil**

**Reg. No. 16BCE1096**

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## **Objective:**

To make a successful and effective textile work order system, I started thinking of removing the drawbacks and loopholes of the traditional Textile Work order Management System which is mainly manual and paper based document. In this Work order Management System, I found some ineffectiveness which makes the program in vain. So, my objectives of this program is to removes the defects of this traditional Textile Work order Management System into an automated, Website where Admin can restore all relevant data until the completion the work order system with the help of IT Technology to follow up, to a successful completion.

The broad objective of this project is to develop an automatic system to automate the process of the textile work order management system. Where the system should be user friendly, scalable, secured. This system will minimize the following disadvantages of our traditional textile

Work order management system

- i. Paper intensive:** From the initial stage of recording of work order is fully based on paper forms.
- ii. Time Consuming:** It takes significant amount of time to search any information regarding the activities of work order such as how many products do not take schedule shipment for a specific period of time
- iii. Prone to missing reports:** Reports are prone to be lost not only during the manual processing but also during the manual storage. There is an unacceptably high chance of misplacing the reports or even data while it is in the processing phase.

## **2. List of MODULES :**

### **1. Employee**

This module contains all the information about the employees of the company

### **2. Buyer**

This module contains all the details about the customers who ordered from the company

### **3. Order list**

This module contains all the details about the orders made by the buyers and the amount of money that has to be paid by them

### **4. Quality test report**

If the buyers checked for the Quality testing, then this module contains the information about such quality checking processes

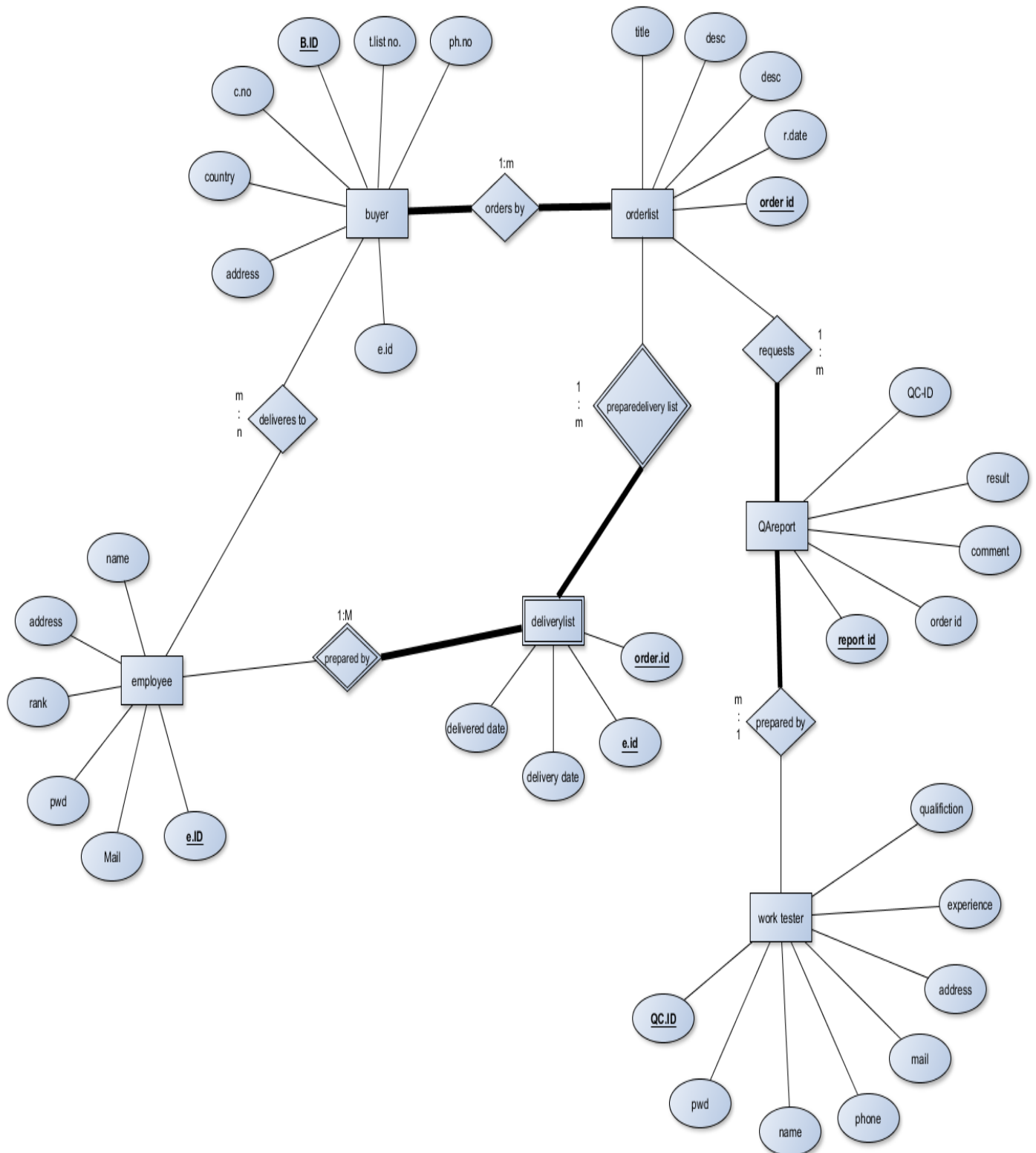
### **5. Quality Testers**

For the quality checking, the professional Testers are needed. Their information is stored in this module

### **6. Delivery list**

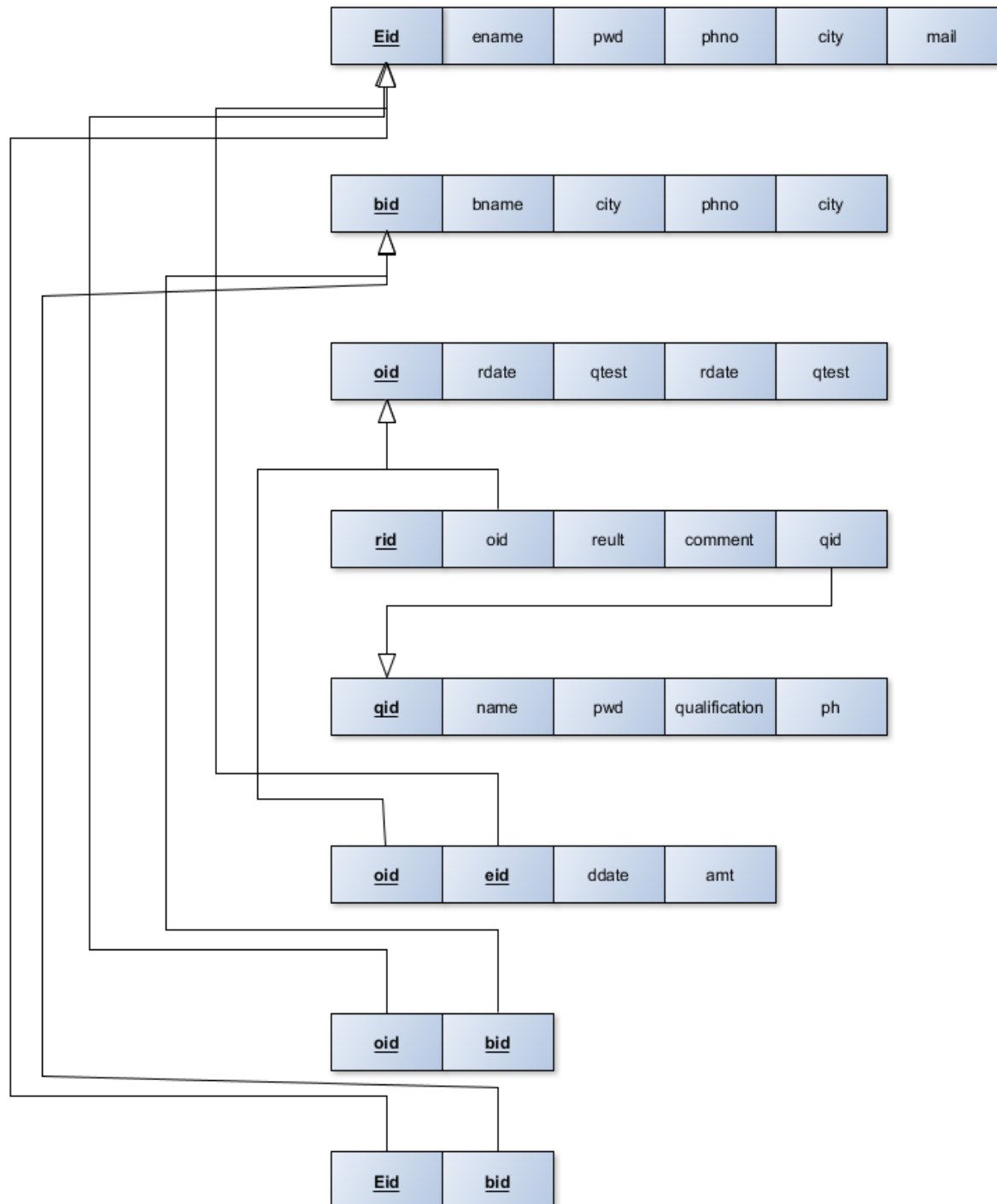
All the deliveries by the respective employees are present in this module.

### 3. Entity Relationship MODEL:





#### 4. TABLES with attributes:



## 5. Explanation for each module with snapshots:

### Normalization of the tables:

#### Database fashion loft

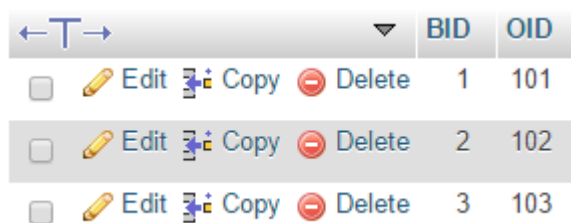
##### 1.Normalization of table buyerandolist

The table is already in 3NF

Column Type	Null Default
-------------	--------------

<b>BID</b>	mediumint(3) No
------------	-----------------

<b>OID</b>	mediumint(3) No
------------	-----------------



				BID	OID
<input type="checkbox"/>				1	101
<input type="checkbox"/>				2	102
<input type="checkbox"/>				3	103

##### 2. Normalization of table Buyer:

For the 3NF, The table buyer is decomposed into three tables buyerdec1, buyerdec2, buyerdec3 because of following relation:

bname, mail -> phno

bname -> city









bname, phno -> mail

### a. Table structure for table buyerdec1

**Column Type**            **Null Default**

**Bid**        mediumint(3) No

B.name varchar(20)    No








#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1	BID 	mediumint(3)		No	None		 Change  Drop  Primary
<input type="checkbox"/>	2	OID 	mediumint(3)		No	None		 Change  Drop  Primary

### b. Table structure for table buyerdec2

**Column Type**            **Null Default**

**B.name** varchar(20) No

city        varchar(20) No

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1	Bid 	mediumint(3)		No	None		 Change  Drop  Primary
<input type="checkbox"/>	2	B.name varchar(20)			No	None		 Change  Drop  Primary

### C. Table structure for table buyerdec3

**Column Type**            **Null Default**

**B.name** varchar(20) No

**mail**        varchar(20) No

phno        bigint(10)    No

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
1	<b>B.name</b>	varchar(20)			No	None		Change  Drop  Primary
2	<b>mail</b>	varchar(20)			No	None		Change  Drop  Primary
3	<b>phno</b>	bigint(10)			No	None		Change  Drop  Primary

### 3. Normalization of table Dlist

The table Q worker is divided into two tables to meet the 3NF's conditions , based on the relation:

Oid, Eid->Ddate

Oid->Amt

#### **a.Table structure for table dlistdec1**

**Column Type                  Null Default**

***Oid***        mediumint(3) No

***Eid***        mediumint(3) No

Ddate    Date                  No

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/> 1	<b>Oid</b>	mediumint(3)			No	None		Change  Drop  Primary
<input type="checkbox"/> 2	<b>Eid</b>	mediumint(3)			No	None		Change  Drop  Primary
<input type="checkbox"/> 3	<b>Ddate</b>	date			No	None		Change  Drop  Primary

## b. Table structure for table dlistdec2

**Column Type**                      **Null Default**

***Oid***            mediumint(3) No

**amt**            double(10,2) No

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1	<b>Oid</b>	mediumint(3)		No	None		Change  Drop  Primary
<input type="checkbox"/>	2	<b>amt</b>	double(10,2)		No	None		Change  Drop  Primary

## 4. Normalization of Table empandbuyer

The table already meets the 3NF's conditions

**Column Type**                      **Null Default**

***EID***            mediumint(3) No

***BID***            mediumint(3) No

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1	<b>EID</b>	mediumint(3)		No	None		Change  Drop  Primary
<input type="checkbox"/>	2	<b>BID</b>	mediumint(3)		No	None		Change  Drop  Primary

## 5.Normalization of table Employee

The table Employee already meets the 3NF's conditions so no further normalization is done:

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1	EID	mediumint(3)		No	None		Change  Drop  Primary
<input type="checkbox"/>	2	Ename	varchar(20)		No	None		Change  Drop  Primary
<input type="checkbox"/>	3	Pwd	varchar(20)		No	None		Change  Drop  Primary
<input type="checkbox"/>	4	Phno	bigint(10)		No	None		Change  Drop  Primary
<input type="checkbox"/>	5	mail	varchar(20)		No	None		Change  Drop  Primary
<input type="checkbox"/>	6	city	varchar(20)		No	None		Change  Drop  Primary

## 6.Normalization of Table olist

The table already meets 3NF's conditions

**Column Type**                      **Null Default**

**Oid**            mediumint(3) No

Rdate    int(11)              No

qtest    int(11)              No

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1	Oid	mediumint(3)		No	None		Change  Drop  Primary
<input type="checkbox"/>	2	Rdate	date		No	None		Change  Drop  Primary
<input type="checkbox"/>	3	qtest	varchar(11)		No	None		Change  Drop  Primary

## 7.Normalization of table Qtest

The table Q test is divided into two tables to meet the 3NF's conditions , based on the relation:

Oid->Result, Comment, Qid

### a.Table structure for table qtestdec1

Column	Type	Null	Default
--------	------	------	---------

<b>RID</b>	mediumint(3)	No	
------------	--------------	----	--

Oid	mediumint(3)	No	
-----	--------------	----	--

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/> 1	RID	mediumint(3)			No	None		Change  Drop  Primary
<input type="checkbox"/> 2	Oid	mediumint(3)			No	None		Change  Drop  Primary

### b.Table structure for table qtestdec2

Column	Type	Null	Default
--------	------	------	---------

<b>Oid</b>	mediumint(3)	No	
------------	--------------	----	--

result	varchar(20)	No	
--------	-------------	----	--

comment	varchar(20)	No	
---------	-------------	----	--

Qid	mediumint(3)	No	
-----	--------------	----	--

	#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1	<b>Oid</b>	mediumint(3)			No	None		Change  Drop  Primary
<input type="checkbox"/>	2	<b>result</b>	varchar(20)			No	None		Change  Drop  Primary
<input type="checkbox"/>	3	<b>comment</b>	varchar(20)			No	None		Change  Drop  Primary
<input type="checkbox"/>	4	<b>Qid</b>	mediumint(3)			No	None		Change  Drop  Primary

## 8.Normalization of table Qworker

The table Q worker is divided into two tables to meet the 3NF's conditions ,  
based on the relation:

Name, pwd -> qualification,ph.no

### **a.Table structure for table qworkerdec1**

**Column Type                  Null Default**

**Qid**        mediumint(3) No

Name    varchar(20)    No

pwd        varchar(20)    No

	#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1	<b>Qid</b>	mediumint(3)			No	None		Change  Drop  Primary
<input type="checkbox"/>	2	<b>Name</b>	varchar(20)			No	None		Change  Drop  Primary
<input type="checkbox"/>	3	<b>pwd</b>	varchar(20)			No	None		Change  Drop  Primary



## b. Table structure for table qworkerdec2















Column	Type	Null	Default
--------	------	------	---------

<b>Name</b>	varchar(20)	No	
-------------	-------------	----	--

<b>pwd</b>	varchar(20)	No	
------------	-------------	----	--

qualification	varchar(20)	No	
---------------	-------------	----	--

ph.no	bigint(10)	No	
-------	------------	----	--

	#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1	<b>Name</b> 	varchar(20)			No	None		 Change  Drop  Primary
<input type="checkbox"/>	2	<b>pwd</b> 	varchar(20)			No	None		 Change  Drop  Primary
<input type="checkbox"/>	3	<b>qualification</b>	varchar(20)			No	None		 Change  Drop  Primary
<input type="checkbox"/>	4	<b>ph.no</b>	bigint(10)			No	None		 Change  Drop  Primary

## **6. Explain the technologies used and how they are integrated to work:**

### **Software Implementation**

To implement this software, the tools were used are fully open source, so that there are no costing involves to develop this software. For designing this project, HTML is used which is open source, Apache web server is used as web server, PHP is used for database coding. MySQL is used as database server.

### **HTML**

In this project, the website is designed using HTML (Hyper Text Mark-up Language) because; the HTML is very easy to use. It supports on almost every browser in the client end. It used widely. Very easy to learn, and the most importantly, HTML is free.

### **PHP**

PHP stands for Hypertext Pre-processor, PHP is chosen because, it is a Server Side Language, and execute on server side. It supports various types of database, like ORACLE, MySQL. It is easy to use and also an open source software.

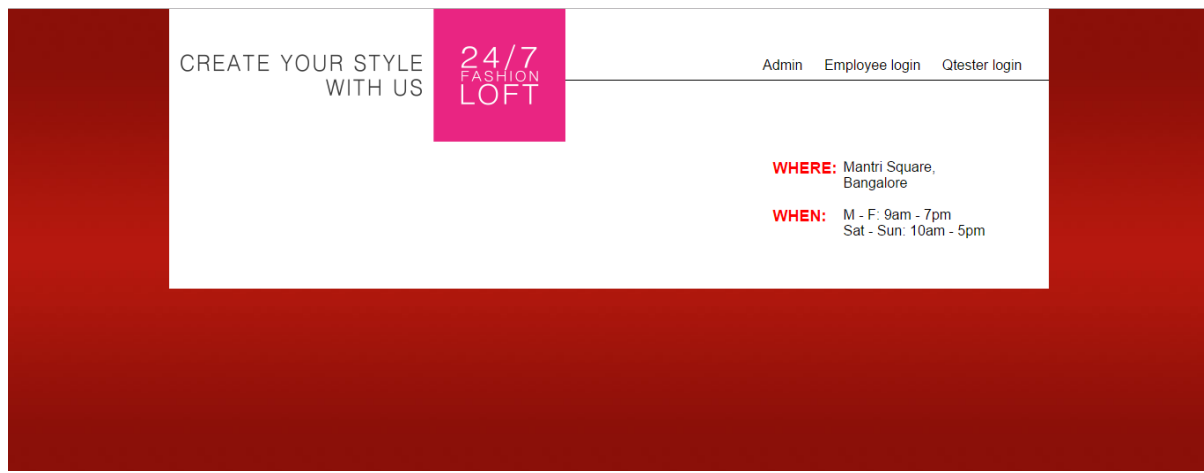
### **MySQL**

In this project as a database server, MySQL is a small database server; MySQL used in this project because of, it is very efficient for small or medium size application. Supports standard Structured Query Language (SQL). It complies with number of platforms like; Windows, Linux, SUN, UNIX etc. MySQL is also a free tool.

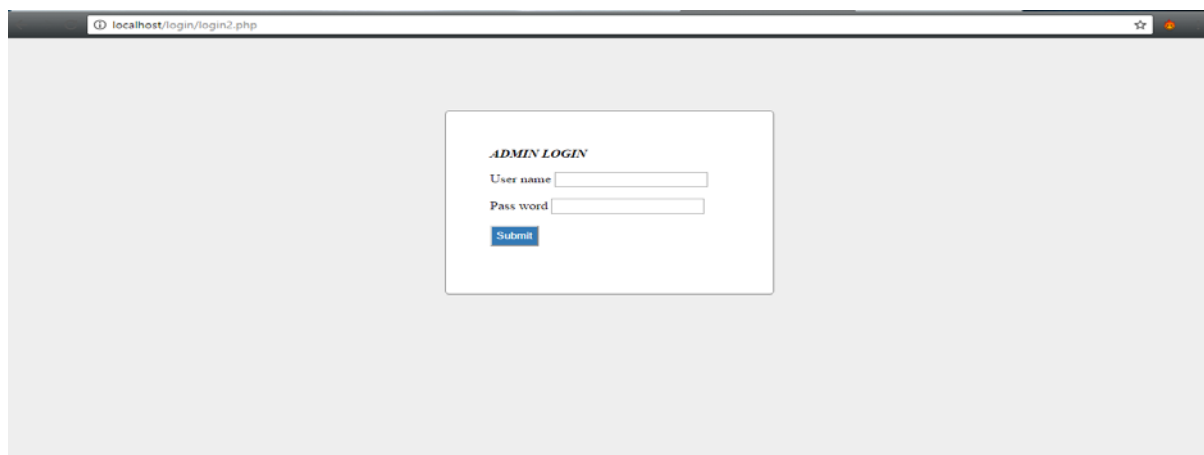
### **XAMPP**

XAMPP is a Windows web development environment. XAMPP is an easy to install. Apache distribution containing MySQL, PHP and Perl. XAMPP is really very easy to install and to use - just download, extract and start. It allows creating web applications with Apache2, PHP and a MySQL database. Alongside, PhpMyAdmin allows managing easily database on the project

## Homepage:



## Admin login page:



## Options under the admin:



[EMPLOYEE DETAILS](#)

[NEW EMPLOYEE](#)

[QUALITY TEST REPORTS](#)

[ORDERS DETAILS](#)

[DELIVERY DETAILS](#)

[BUYERS DETAILS](#)

## Employee details:

localhost/login/process2.php

# WELCOME

## The Employee Details

EID	Ename	Ph-no	Email	City	Password
200	admin	9879797979	admin@gmail.com	Bangalore	password
201	Harshit	8564646468	Harshit@gmail.com	Bangalore	Harshit123
202	Manish	8768448451	Manish@gmail.com	Mysore	Manish123

## New employee details entry page:

localhost/login/insert.php

### ENTER THE NEW EMPLOYEE DETAILS

NAME:

Email:

pssword:

city:

PHno:

ID:

[LOG OUT](#)

## Quality test reports:

localhost/login/Qtest.php

### QUALITY TEST REPORTS

BY TVF [QUALITY TESTERS](#)

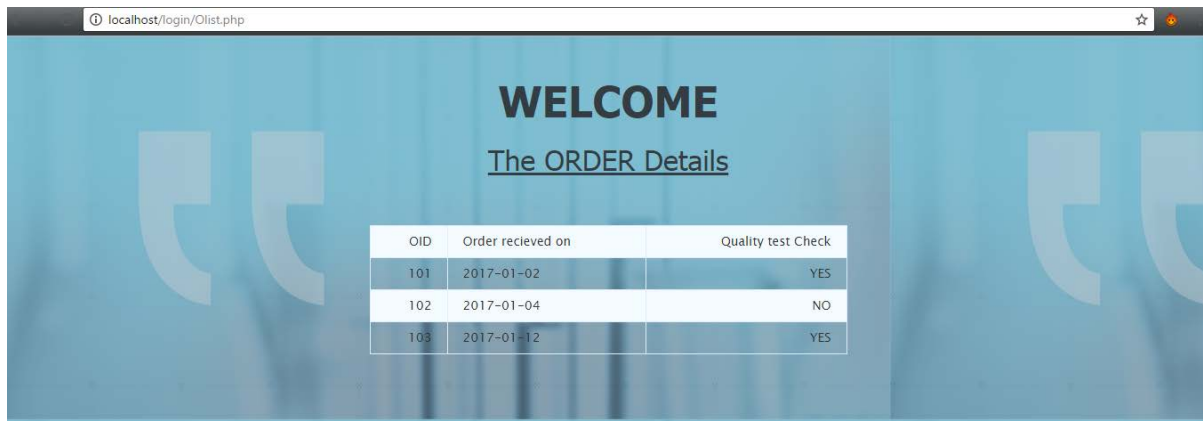
RID	OID	Result	comment	QID
1	101	good	nill	301
2	103	excellent	nill	302

## Quality testers' details:



QID	NAME	Qualification	ph.no
301	Paul	Mtech	9872982298
302	sam	Mtech	8978836526

## Order details page:



OID	Order recieved on	Quality test Check
101	2017-01-02	YES
102	2017-01-04	NO
103	2017-01-12	YES

## Delivery details page:



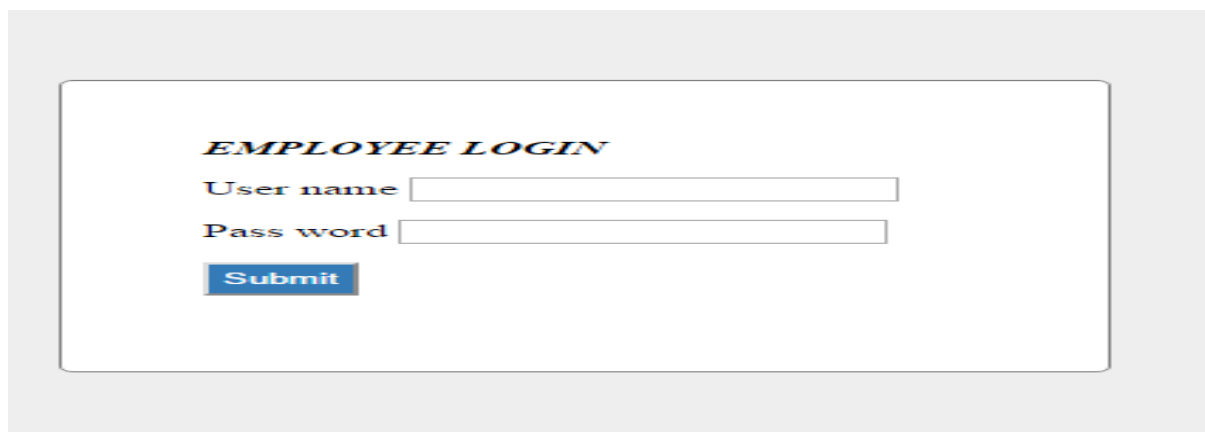
OID	EID	Delivery Date	Amount
101	201	2017-01-05	10000.50
102	202	2017-01-10	20000.50
103	201	2017-01-16	30000.00

## Buyer's details page:



BID	BNAME	city	ph.no	mail	OID
2	Amar	Chennai	9000002121	amar@gmail.com	102
3	Anil	Mysore	9000006565	anil@gmail.com	103
1	Kumar	Bangalore	9008878787	kumar@gmail.com	101

## Employee login module:

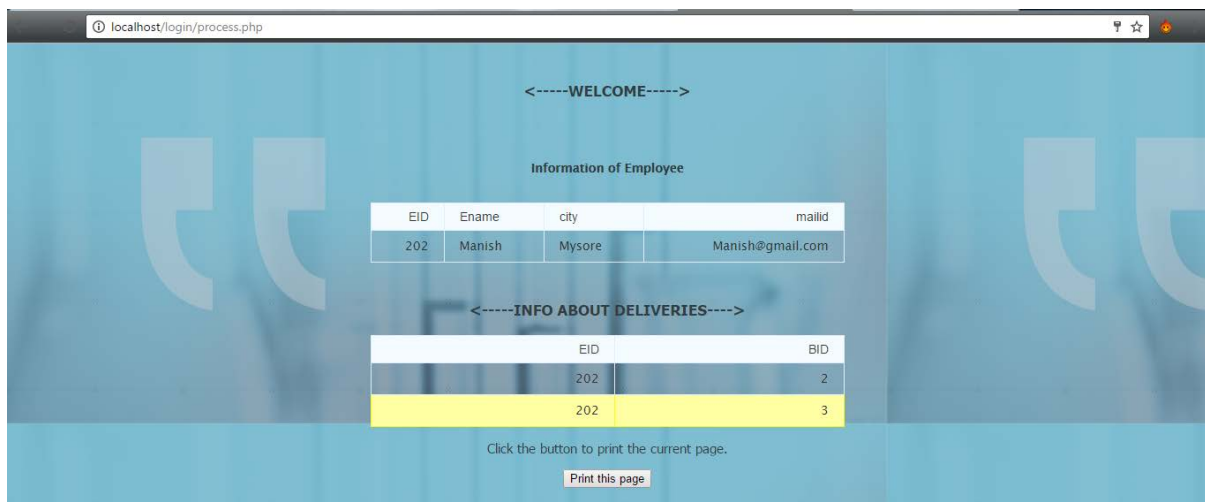


***EMPLOYEE LOGIN***

User name

Pass word

## Details under Employee login:



<-----WELCOME----->

Information of Employee

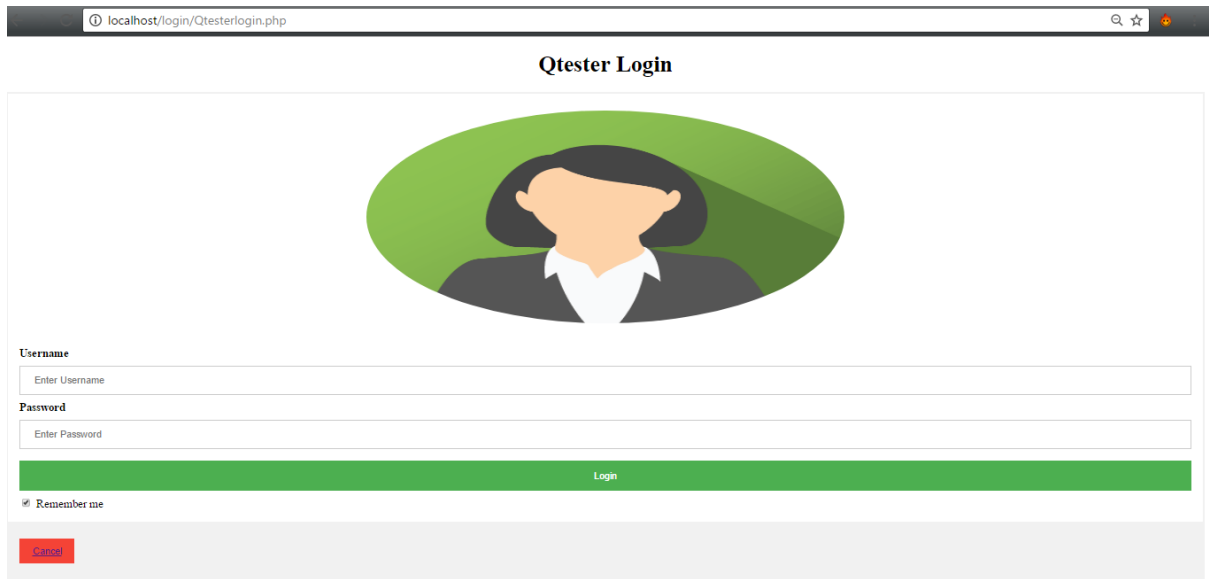
EID	Ename	city	mailid
202	Manish	Mysore	Manish@gmail.com

<-----INFO ABOUT DELIVERIES----->

EID	BID
202	2
202	3

Click the button to print the current page.


## Quality tester login:



A screenshot of a web browser showing the 'Qtester Login' page. The browser's address bar displays 'localhost/login/Qtesterlogin.php'. The page features a central illustration of a person with dark hair and a white shirt, set against a green oval background. Below the illustration, there are two input fields: 'Username' with the placeholder 'Enter Username' and 'Password' with the placeholder 'Enter Password'. A green 'Login' button is positioned below these fields. A checkbox labeled 'Remember me' is located below the 'Login' button. At the bottom left, there is a red 'Cancel!' button.

localhost/login/Qtesterlogin.php

### Qtester Login



Username  
Enter Username

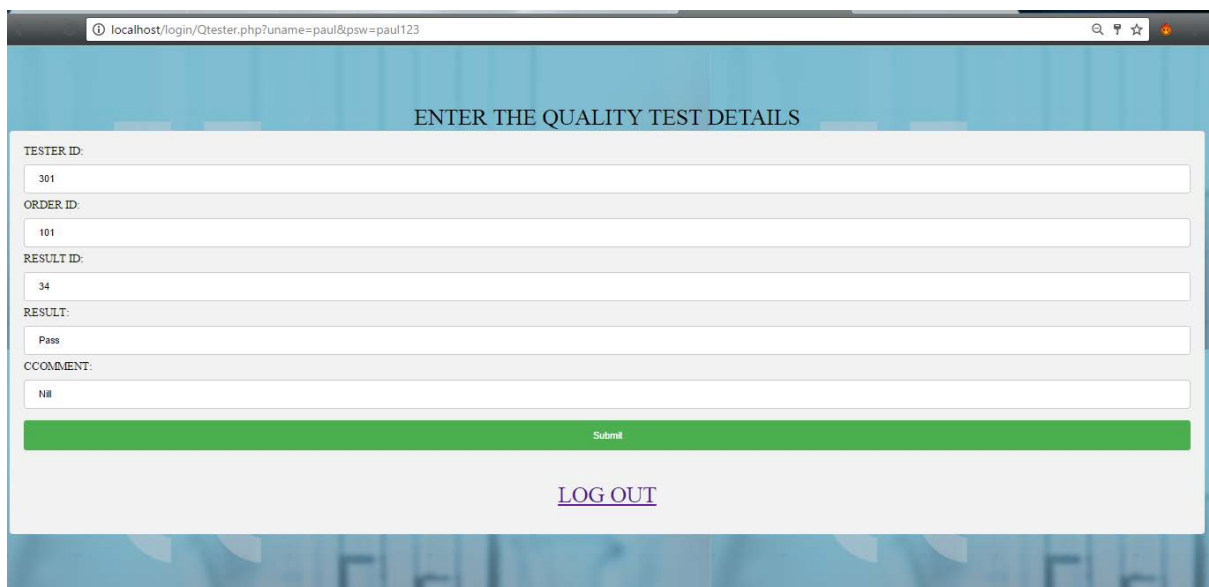
Password  
Enter Password

Login

☒ Remember me

Cancel!

## Test details entered under q-tester login



A screenshot of a web browser showing the 'ENTER THE QUALITY TEST DETAILS' page. The browser's address bar displays 'localhost/login/Qtester.php?uname=paul&psw=paul123'. The page has a blue header with the title 'ENTER THE QUALITY TEST DETAILS'. Below the header, there are several input fields: 'TESTER ID:' with the value '301', 'ORDER ID:' with the value '101', 'RESULT ID:' with the value '34', 'RESULT:' with the value 'Pass', and 'COMMENT:' with the value 'Nil'. A green 'Submit' button is located below these fields. At the bottom center, there is a purple 'LOG OUT' link.

localhost/login/Qtester.php?uname=paul&psw=paul123

### ENTER THE QUALITY TEST DETAILS

TESTER ID:  
301

ORDER ID:  
101

RESULT ID:  
34

RESULT:  
Pass

COMMENT:  
Nil

Submit

[LOG OUT](#)

## **7. Contribution in the project:**

All the work of the project is being handled by myself (Pruthviraj.R.Patil) under the guidance of my professor Dr.Renukadevi.S.

## **8.Conclusion and Future Work:**

India is a developing country. Many developing countries including India are now using information communication technology for different sectors. Through the developed project anyone can visualize the effectiveness and efficiency in any field. It is very helpful for computerization or doing automation of these types of management system. In this project, I have developed an automated textile work order management system. Using this system, Admin can go through the entire system and also generating various types of report. On the other hand, Admin can modify, add and delete the work order to and from the system. Also can see the deliverables are on order or not. .

The future plan of this project is to improved design, implementation and documentation in such a way that beside work order, any other work process monitoring service can easily customize and use this project. This site can be developed more dynamically by adding some more modules like money transaction etc.