“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

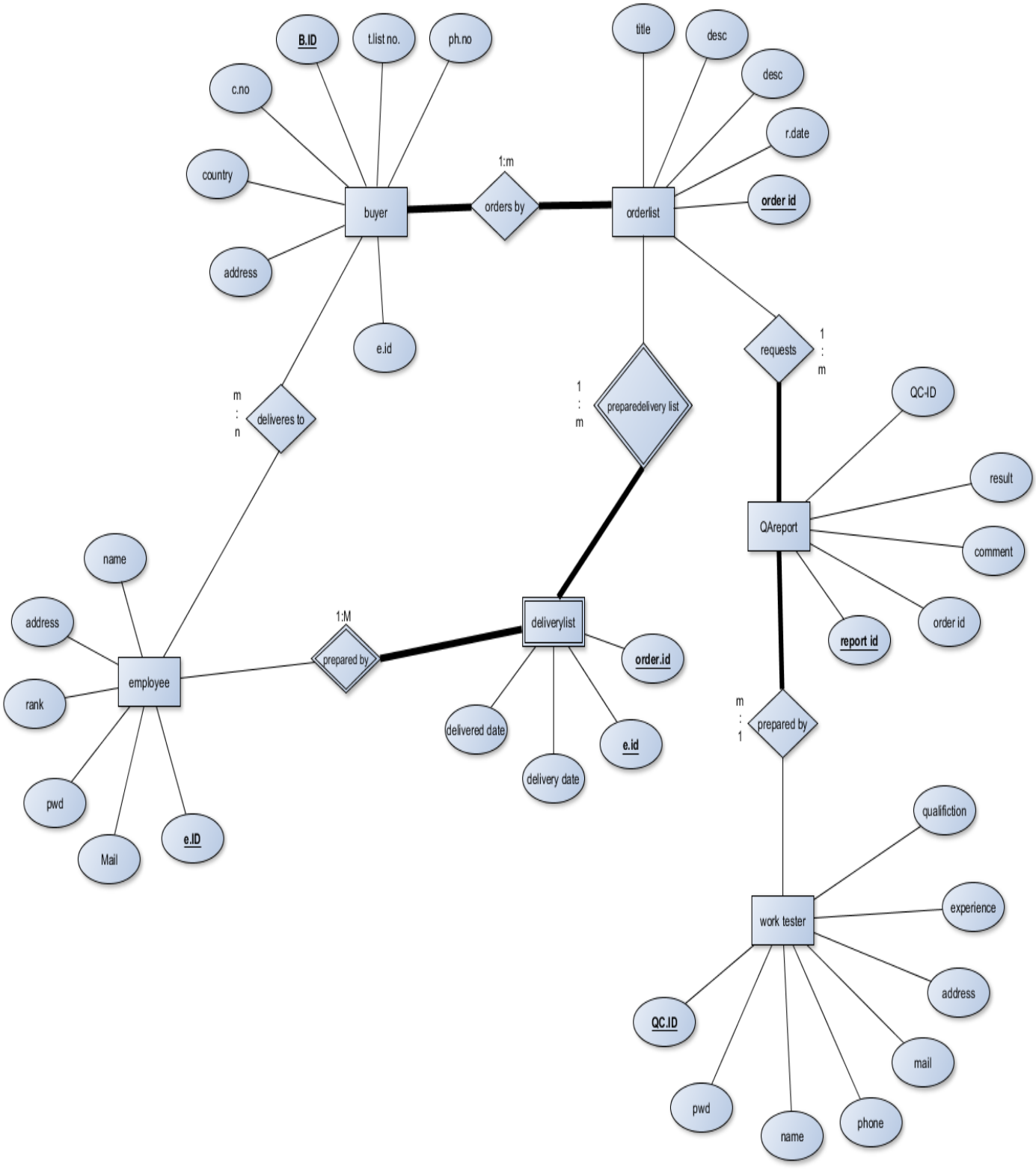
5. Quality Testers

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

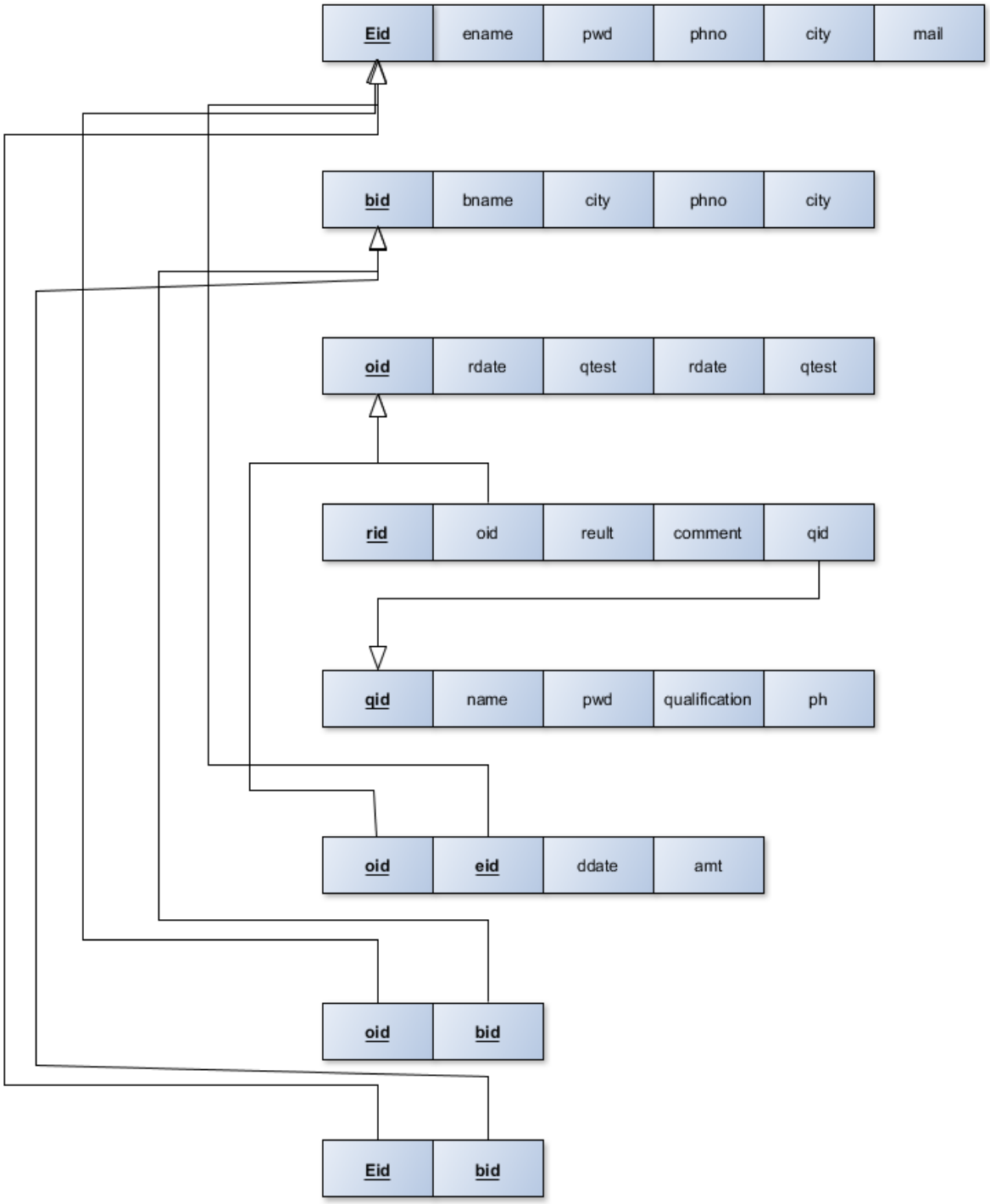
6. Delivery list

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:

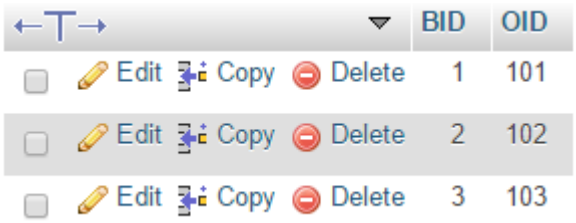
Normalization of the tables:

Database fashion loft

1.Normalization of table buyerandolist

The table is already in 3NF

Column	Type	Null	Default
BID	mediumint(3)	No	
OID	mediumint(3)	No	



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
1	BID	mediumint(3)			No	*None*		Change Drop Primary
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
1	Bid	mediumint(3)			No	*None*		Change Drop Primary
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.name	varchar(20)			No	None		Change Drop Primary
2	mail	varchar(20)			No	None		Change Drop Primary
3	phno	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
☐	1	Oid	mediumint(3)			No	None		Change Drop Primary
☐	2	Eid	mediumint(3)			No	None		Change Drop Primary
☐	3	Ddate	date			No	None		Change Drop Primary

b.Table structure for table dlistdec2

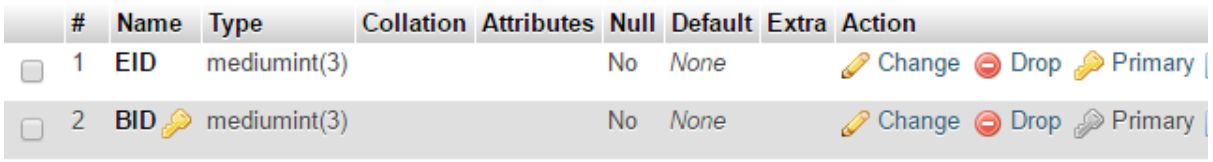
Column	Type	Null	Default
Oid	mediumint(3)	No	
amt	double(10,2)	No	

	#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
☐	1	Oid	mediumint(3)			No	*None*		Change Drop Primary
☐	2	amt	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
☐	1	EID	mediumint(3)			No	*None*		Change Drop Primary
☐	2	BID	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
1	EID	mediumint(3)			No	None		Change Drop Primary
2	Ename	varchar(20)			No	None		Change Drop Primary
3	Pwd	varchar(20)			No	None		Change Drop Primary
4	Phno	bigint(10)			No	None		Change Drop Primary
5	mail	varchar(20)			No	None		Change Drop Primary
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
1	Oid	mediumint(3)			No	None		Change Drop Primary
2	Rdate	date			No	None		Change Drop Primary
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
RID	mediumint(3)	No	
Oid	mediumint(3)	No	

	#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
☐	1	RID	mediumint(3)			No	*None*		Change Drop Primary
☐	2	Oid	mediumint(3)			No	*None*		Change Drop Primary

b.Table structure for table qtestdec2

Column	Type	Null	Default
Oid	mediumint(3)	No	
result	varchar(20)	No	
comment	varchar(20)	No	
Qid	mediumint(3)	No	

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
1	Oid	mediumint(3)			No	None		Change Drop Primary
2	result	varchar(20)			No	None		Change Drop Primary
3	comment	varchar(20)			No	None		Change Drop Primary
4	Qid	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
1	Qid	mediumint(3)			No	None		Change Drop Primary
2	Name	varchar(20)			No	None		Change Drop Primary
3	pwd	varchar(20)			No	None		Change Drop Primary

b.Table structure for table qworkerdec2

Column	Type	Null	Default
Name	varchar(20)	No	
pwd	varchar(20)	No	
qualification	varchar(20)	No	
ph.no	bigint(10)	No	

	#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
☐	1	**Name**	varchar(20)			No	*None*		Change Drop Primary
☐	2	**pwd**	varchar(20)			No	*None*		Change Drop Primary
☐	3	**qualification**	varchar(20)			No	*None*		Change Drop Primary
☐	4	**ph.no**	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.

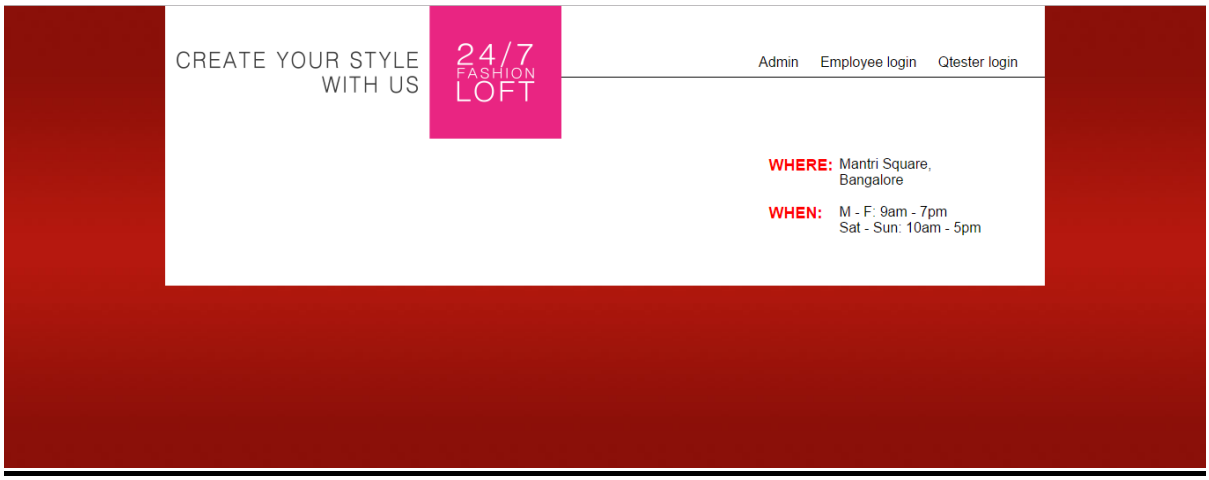
MySQL

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.

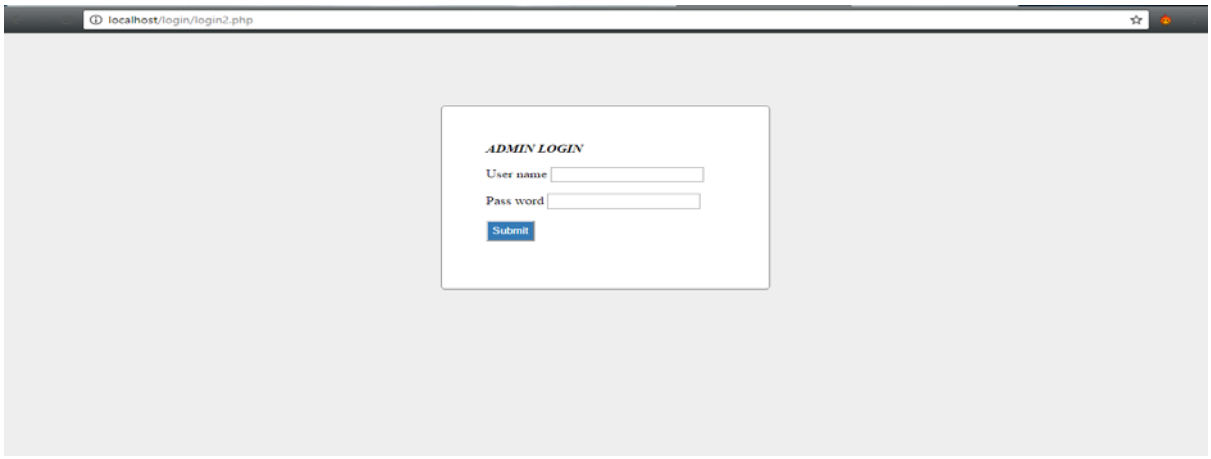
XAMPP

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

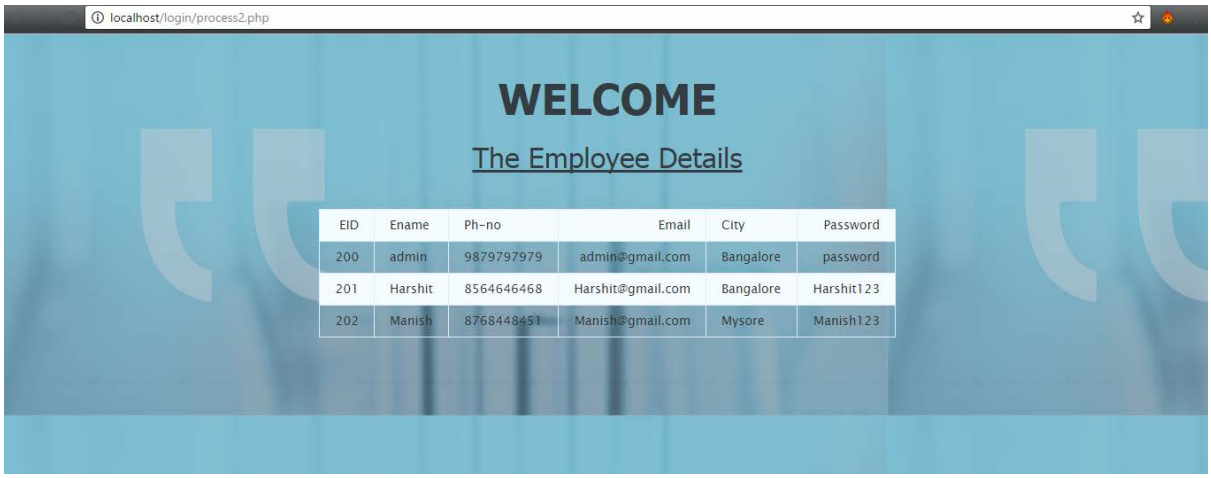
QUALITY TEST REPORTS

ORDERS DETAILS

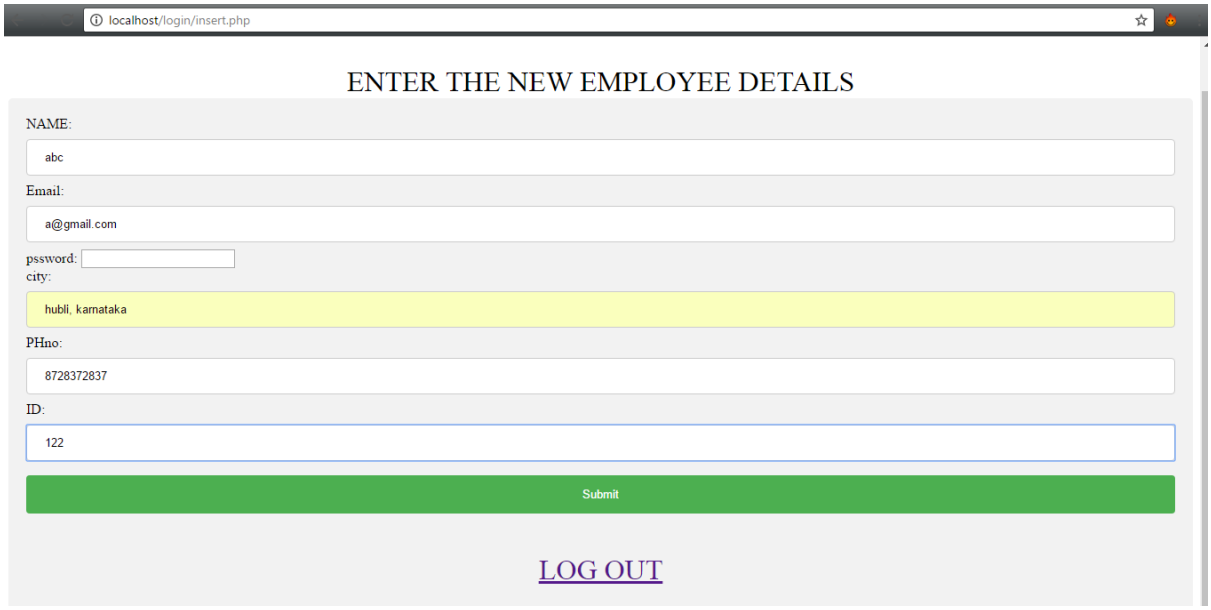
DELIVERY DETAILS

BUYERS DETAILS

Employee details:



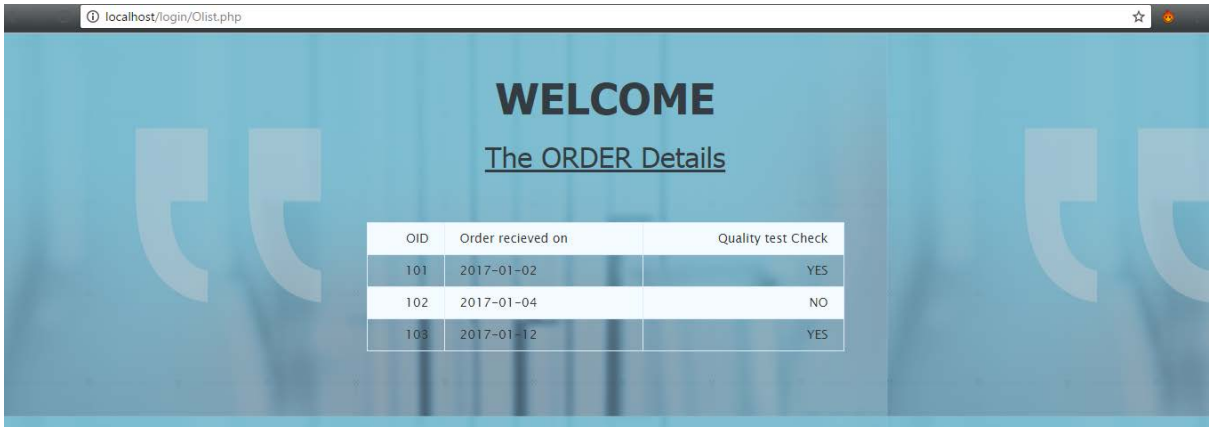
New employee details entry page:



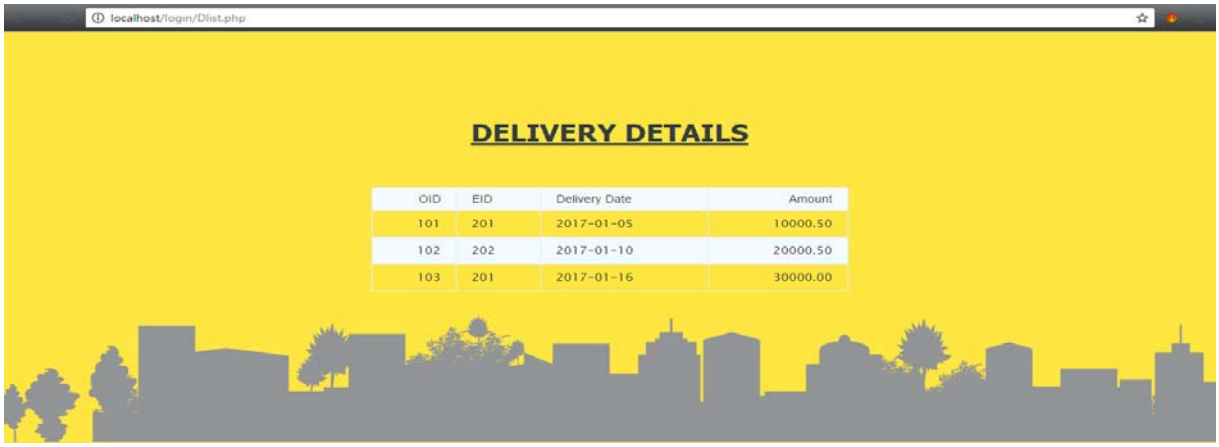
Quality test reports:

Quality testers' details:

Order details page:



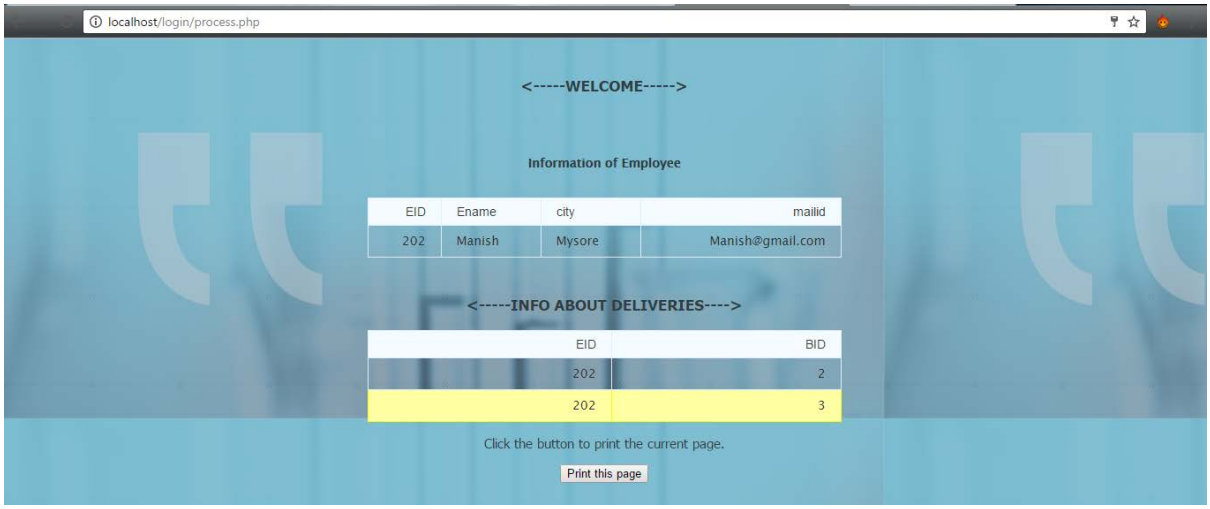
Delivery details page:



Buyer’s details page:

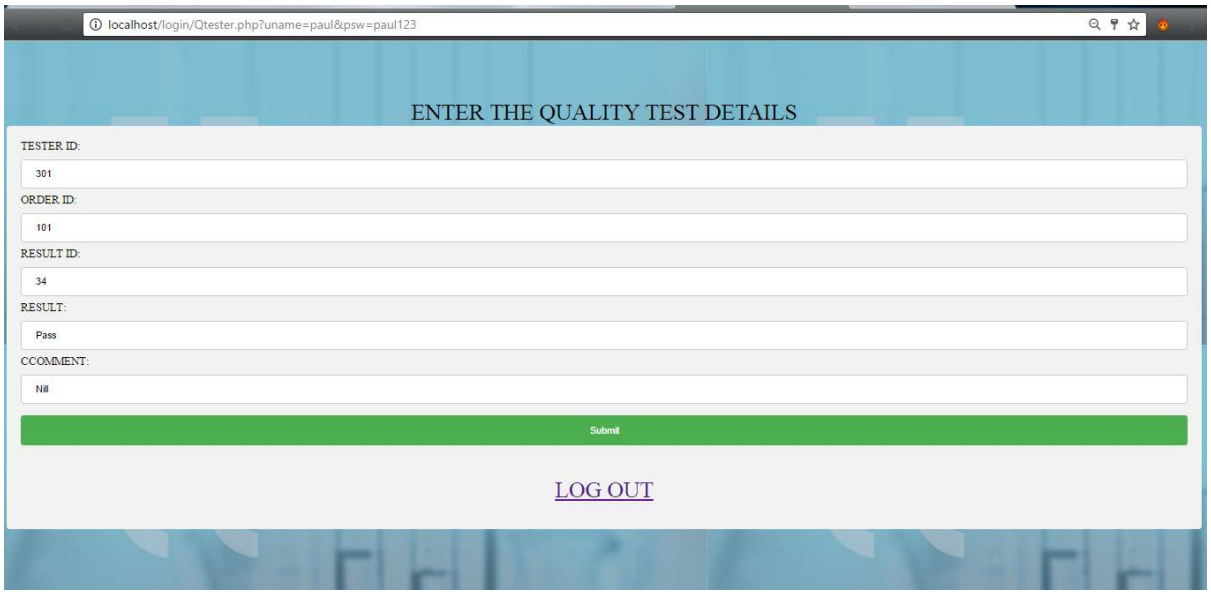
Employee login module:

Details under Employee login:



Quality tester login:

Test details entered under q-tester login



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.