**VISVESVARAYA TECHNOLOGICAL UNIVERSITY** JNANA SANGAMA, BELAGAVI – 590 018



**A Mini Project Report on**

***Warehouse Management System***

Submitted in partial fulfillment of the requirements during V Semester for the degree of **Bachelor of Engineering in Information Science and Engineering** of Visvesvaraya Technological University, Belagavi

**Bachelor of Engineering**

**in**

**Information Science and Engineering**

**Submitted by**

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**UNDER THE GUIDANCE OF**

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2018 – 2019

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**CERTIFICATE**

Certified that the mini project work in DBMS entitled ***Placement Cell Management System*** has been successfully completed by **V BHARATH(1RN17IS110) and T MALLIKARJUN NAYAK(1RN17IS104),** a bonafide students of **RNS Institute of Technology, Bengaluru** in partial fulfillment of the requirements for the award of degree in **Bachelor of Engineering in Information Science and Engineering** of **Visvesvaraya Technological University, Belagavi** during academic year **2018-2019**. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work for the said degree.

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**External Viva**

Name of the Examiners Signature with date

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**ABSTRACT //ALSO U**

The project named ―Warehouse Management System, a student/company information system is a web based system. The project is developed on the basis of ―Placement Cell‖ being presently used in the University for storing and retrieving the information of students and companies who are registered in Placement Cell. The Placement Cell maintains a large database of students wherein all the information of student including the personal records and the academic performance is stored and company information including profile of company, eligibility criteria and facilities it provide etc. The software retrieves this data and displays as per the user requirement.

The Placement Management System is developed as an attempt to take a record of company and students by restricting such a large database to that of a particular class of students or company. The System provides the facility of viewing both the personal and academic information of the student and company it can also search for eligible students and company and also insertion and deletion of records by the administrator. Eligible students will receive an email including the details of the company and also they will receive a sms on their registered mobile number in which the date-time and location will be provided.

**ACKNOWLEDGEMENT**

Any achievement, be it scholastic or otherwise does not depend solely on the individual efforts but on the guidance, encouragement and cooperation of intellectuals, elders and friends. A number of personalities, in their own capacities have helped me in carrying out this project work. I would like to take this opportunity to thank them all.

I would like to thank **Dr. H N Shivashankar**, Director, RNSIT, Bangalore, for his moral support towards completing my project.

I am grateful to **Dr. M K Venkatesha,** Principal, RNSIT, Bangalore, for his support towards completing my project.

I would like to thank **Dr. M.V.Sudhamani**, Dean of Engineering., Professor & Head , Department of Information Science & Engineering, RNSIT, Bangalore, and my guide for her valuable suggestions, expert advice .

I deeply express my sincere gratitude to faculty in charge **Mr. Rajkumar**, Assistant Professor, Department of ISE, RNSIT, Bangalore, for his able guidance, regular source of encouragement and assistance throughout this project.

I would like to thank all the teaching and non-teaching staff of Department of Computer Science & Engineering RNSIT, Bangalore for their constant support and encouragement.

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**CHAPTER 1**

**INTRODUCTION**

* 1. **Overview**

This project is aimed at developing a web application for Warehouse management. The system is a web application that can be accessed throughout the organization with proper login provided. This system can be used as a web application for real time tracking and inventory management. Employees can login and see the status and respective delivery dates with time. Our project provides the facility of maintaining the details of the employees. It also provides a requested list of items present in the warehouse based on given query. Administrator logging in may also search any information put up by the employees. This project will aid in faster and efficient use of inventory space.

* 1. **ABOUT THE PROJECT //NEED TO UPDATE**

This project is to facilitate students in college, company to register and communicate with Placement Office. The users can access easily to this and the data can be retrieved easily in no time. In the main page there are options for a new register, a registered student to directly login using username and password, submit resume. In the student registration form, we can give personal details, educational qualifications, and professional skills and upload resume. The job details of the placed students will be provided by the administrator. The administrator plays an important role in our project. They provide approval of student registration and updating. In this project we create a search engine for administrator, who can search everything about the student and company.

**1.3 OBJECTIVES OF THE PROJECT**

Computers and information technology have a major influence on the society and the society is becoming more and more dependent on technology. Going on is an era of simplifying almost all complicated works using computers. The last few years have witnessed a tremendous increase in the capabilities and use of computers. Manual processing makes the process slow and other problems such as inconsistency and ambiguity on operations. The proposed system intends user-friendly operations which may resolve ambiguity. By considering all these factors, the applications produced, which performs the service easily and effectively.

**1.4 SCOPE OF THE PROJECT //KNEAD UPATE**

Our project has a big scope to do. We can store information of all the items. Items are categorized according to various item types.

**CHAPTER 2**

**HARDWARE & SOFTWARE REQUIREMENTS**

**Hardware**: Processor Intel dual core and above

**Ram**: 2GB

**Operating System**: Windows 7, Windows 8, Windows 10

**Internet Connection**: Existing telephone lines, Data card or Any Wireless Network

**Browser**: Google chrome latest version, Internet Explorer 10

Software:

* HTML
* CSS
* Javascript
* MySQL (Database)
* PHP (Backend)

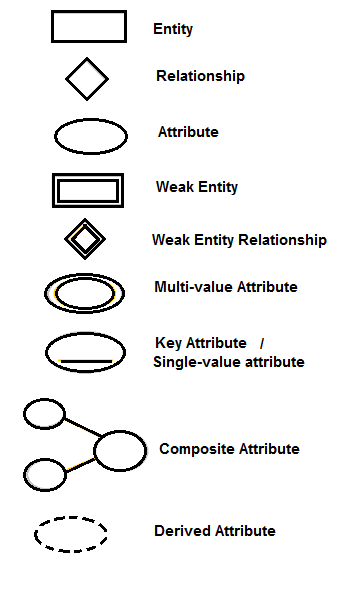
**CHAPTER 3**

**WORKING MODEL OF PROJECT**

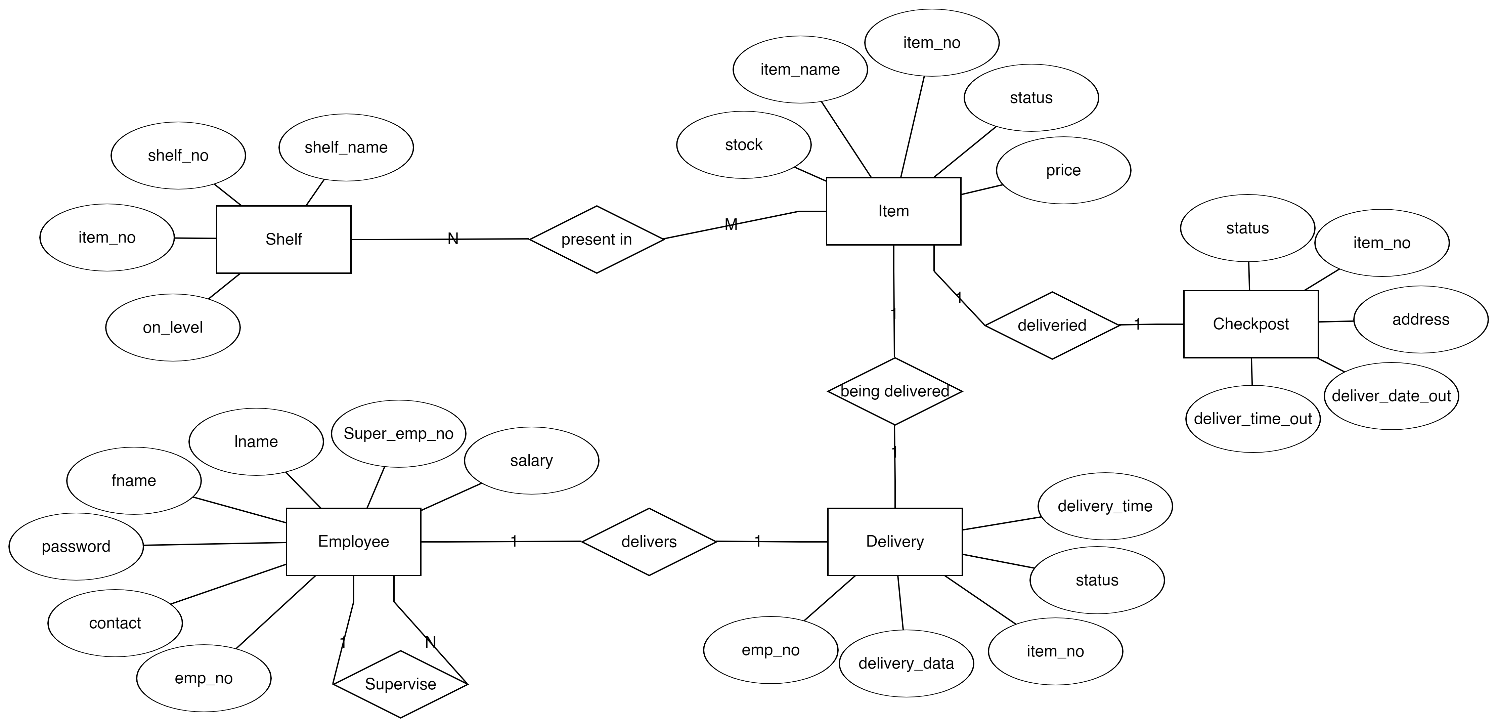
**3.1 E-R DIAGRAM**

An entity relationship model, also called an entity-relationship (ER) diagram, is a graphical representation of entities and their relationships to each other, typically used in computing in regard to the organization of [data](https://www.webopedia.com/TERM/D/data.html) within [databases](https://www.webopedia.com/TERM/D/database.html) or information systems. An entity is a piece of data-an [object](https://www.webopedia.com/TERM/O/object.html)or concept about which data is stored.

Symbols and Notations for ER Diagram are as follows.



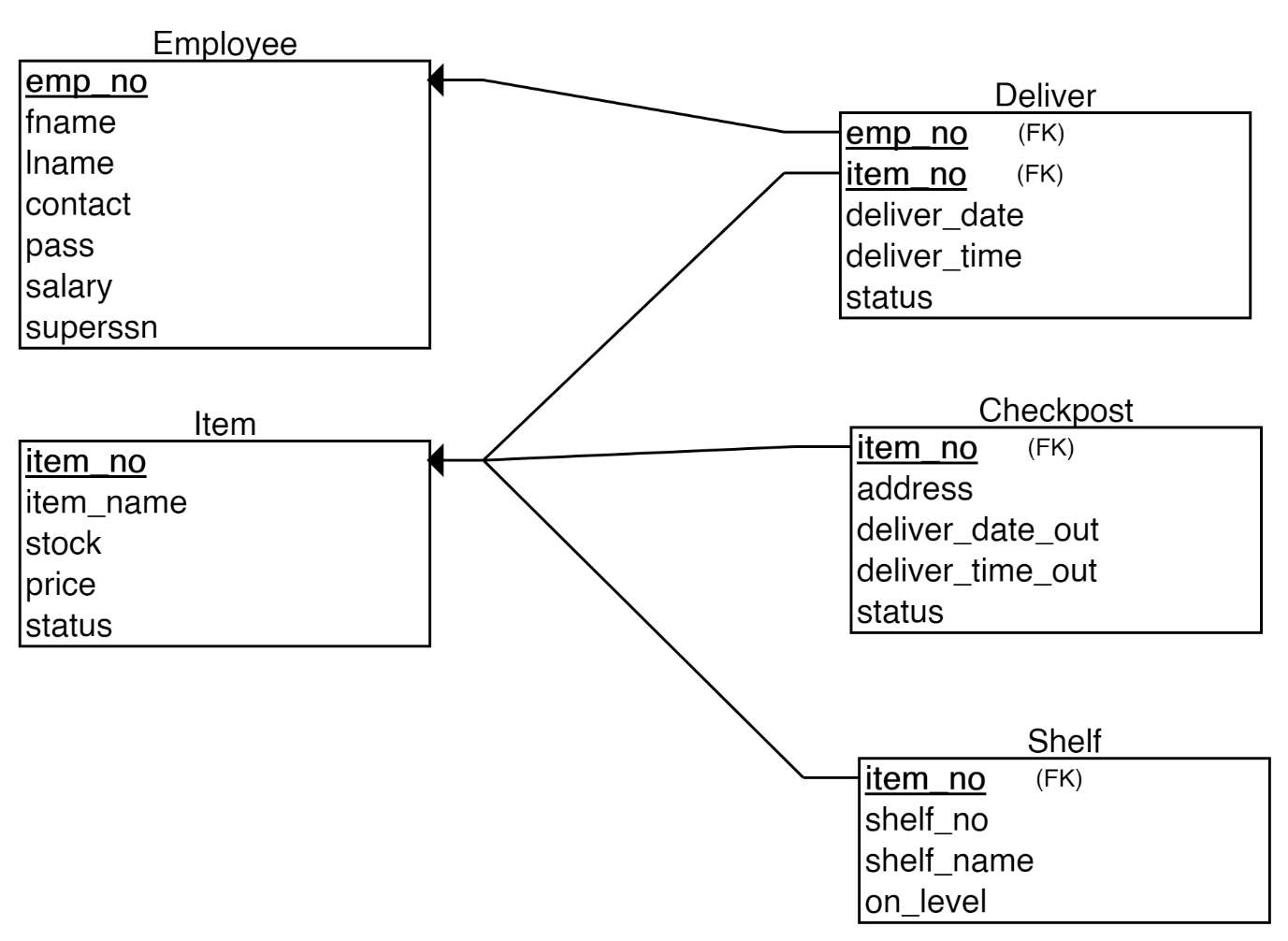
E-R Diagram for placement management system as follow :

****

**Fig 3.1 E-R Diagram**

**3.2 SCHEMA DIAGRAM**

Schema representation for placement management system -

****

**Fig 3.2 Schema Diagram**

**CHAPTER 4**

**IMPLEMENTATION**

**4.1 FRONT END AND BACK END USED**

* **HTML** - **Hypertext Markup Language** (**HTML**) is the standard markup language for creating web pages and web applications. With Cascading Style Sheets (CSS) and JavaScript, it forms a triad of cornerstone technologies for the World Wide Web. HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, [links](https://en.wikipedia.org/wiki/Hyperlink), quotes and other items. HTML elements are delineated by *tags*, written using angle brackets. Tags such as <**img**/> and <**input**/> directly introduce content into the page. Other tags such as <**p**> surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags, but use them to interpret the content of the page.
* **CSS** - **Cascading Style Sheets** (**CSS**) is a style sheet language used for describing the presentation of a document written in a markup language like HTML.CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file, and reduce complexity and repetition in the structural content.
* **Javascript** - Alongside HTML and CSS, JavaScript is one of the three core

technologies of the World Wide Web. JavaScript enables interactive web pages and thus is an essential part of web applications. The vast majority of websites use it, and all major web browsers have a dedicated JavaScript engine to execute it. As a multi-paradigm language, JavaScript supports event-driven, functional, and imperative (including object-oriented and prototype-based) programming styles. It has an API for working with text, arrays, dates, regular expressions, and basic manipulation of the DOM, but the language itself does not include any I/O, such as networking, storage, or graphics facilities, relying for these upon the host environment in which it is embedded.

* **MY SQL** -It is a relational database management system. As a database it‘s a software product whose primary function is to store & retrieve data as requested by other software applications, be it those on the same computer or those running on another computer across a network (including the internet).
* **PHP** - PHP is an acronym for "PHP: Hypertext Preprocessor". PHP is a widely-used, open source scripting language. PHP scripts are executed on the server. PHP files can contain text, HTML, CSS, JavaScript, and PHP code. PHP code are executed on the server, and the result is returned to the browser as plain HTML. PHP can generate dynamic page content. PHP can add, delete, modify data in your database. PHP runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.). PHP is compatible with almost all servers used today (Apache, IIS, etc.).

**4.2 Discussion of Code Segment //ALL YOURS BOI**

**Login Page**

<?php

session\_start();

$branch = ($\_POST['Branch']);

$husername = ($\_POST['username']);

$password = ($\_POST['password']);

if ($husername&&$password&&$branch)

{

$connect = mysql\_connect("localhost","root","") or die("Couldn't Connect");

mysql\_select\_db("Revised") or die("Cant find DB");

$query = mysql\_query("SELECT \* FROM hlogin WHERE Username='$husername'");

$numrows = mysql\_num\_rows($query);

if ($numrows!=0)

{

while($row = mysql\_fetch\_assoc($query))

{

$dbbranch = $row['Branch'];

$dbusername = $row['Username'];

$dbpassword = $row['Password'];

}

if($branch==$dbbranch&&$husername==$dbusername&&$password==$dbpassword)

{

echo "<center>Login Successfull..!! <br/>Redirecting you to HomePage! </br>If not Goto<a href='index.php'> Here </a></center>";

echo "<meta http-equiv='refresh' content ='3; url=index.php'>";

$\_SESSION['husername'] = $husername;

$\_SESSION['department'] = $branch;

}

else

{

$message = "Username and/or Password and/or Department are/is incorrect.";

echo "<script type='text/javascript'>alert('$message');</script>";

echo "<center>Redirecting you back to Login Page! If not Goto<a href='index.php'> Here </a></center>";

echo "<meta http-equiv='refresh' content ='1; url=index.php'>";

}

}

else

die("User not exist");

}

else {

$message = "Feild Can't be Left Blank";

echo "<script type='text/javascript'>alert('$message');</script>";

echo "<center>Redirecting you back to Login Page! If not Goto<a href='index.php'> Here </a></center>";

echo "<meta http-equiv='refresh' content ='1; url=index.php'>";

}

?>

**Insertion of Student CV**

<?php

$connect = mysql\_connect("localhost", "root", ""); // Establishing Connection with Server

mysql\_select\_db("Revised"); // Selecting Database from Server

if(isset($\_POST['submit']))

{

$fname = $\_POST['Fname'];

$lname = $\_POST['Lname'];

$USN = $\_POST['USN'];

$sun = $\_SESSION["username"];

$phno = $\_POST['Num'];

$email = $\_POST['Email'];

$date = $\_POST['DOB'];

$cursem = $\_POST['Cursem'];

$branch = $\_POST['Branch'];

$per = $\_POST['Percentage'];

$puagg = $\_POST['Puagg'];

$beaggregate = $\_POST['Beagg'];

$back = $\_POST['Backlogs'];

$hisofbk = $\_POST['History'];

$detyear = $\_POST['Dety'];

if($USN !=''||$email !='')

{

if($USN != $sun)

{

if($query = mysql\_query("INSERT INTO `Revised`.`basicdetails` ( `FirstName`, `LastName`, `USN`, `Mobile`, `Email`, `DOB`, `Sem`, `Branch`, `SSLC`, `PU`, `BE`, `Backlogs`, `HofBacklogs`, `DetainYears`, `Approve`)

VALUES ('$fname', '$lname', '$USN', '$phno', '$email', '$date', '$cursem', '$branch', '$per', '$puagg', '$beaggregate', '$back', '$hisofbk', '$detyear', '0')"))

{

echo "<center>Details has been received successfully...!!</center>";

}

else echo "FAILED";

}

else{

echo "<center>enter your USN only...!!</center>";

}

}

}

?>

**Updation of Student CV**

<?php

$connect = mysql\_connect("localhost", "root", ""); // Establishing Connection with Server

mysql\_select\_db("Revised"); // Selecting Database from Server

if(isset($\_POST['update']))

{

$fname = $\_POST['Fname'];

$lname = $\_POST['Lname'];

$USN = $\_POST['USN'];

$sun = $\_SESSION["username"];

$phno = $\_POST['Num'];

$email = $\_POST['Email'];

$date = $\_POST['DOB'];

$cursem = $\_POST['Cursem'];

$branch = $\_POST['Branch'];

$per = $\_POST['Percentage'];

$puagg = $\_POST['Puagg'];

$beaggregate = $\_POST['Beagg'];

$back = $\_POST['Backlogs'];

$hisofbk = $\_POST['History'];

$detyear = $\_POST['Dety'];

if($USN !=''||$email !='')

{

if($USN == $sun)

{

$sql = mysql\_query("SELECT \* FROM `Revised`.`basicdetails` WHERE `USN`='$USN'");

if(mysql\_num\_rows($sql) == 1)

{

if($query = mysql\_query("UPDATE `Revised`.`basicdetails` SET `FirstName`='$fname', `LastName`='$lname', `Mobile`='$phno', `Email`='$email', `DOB`='$date', `Sem`='$cursem', `Branch`= '$branch', `SSLC`='$per', `PU`='$puagg', `BE`='$beaggregate', `Backlogs`='$back', `HofBacklogs`='$hisofbk', `DetainYears`='$detyear' ,`Approve`='0'

WHERE `basicdetails`.`USN` = '$USN'"))

{

echo "<center>Data Updated successfully...!!</center>";

}

else echo "<center>FAILED</center>";

}

else echo "<center>NO record found for update</center>";

}

else

echo "<center>Enter your usn only</center>";

}

}

?>

**Student Placed In Company**

<?php

$num\_rec\_per\_page=15;

mysql\_connect('localhost','root','');

mysql\_select\_db('Revised');

if (isset($\_GET["page"])) { $page = $\_GET["page"]; } else { $page=1; };

$start\_from = ($page-1) \* $num\_rec\_per\_page;

$sql = "SELECT a.\* , u.\*

From addpdrivea,updatedrive u

WHERE a.CompanyName = u.CompanyName AND a.Date = u.Date

LIMIT $start\_from, $num\_rec\_per\_page";

$rs\_result = mysql\_query ($sql); //run the query

while ($row = mysql\_fetch\_array($rs\_result))

{

?>

<tr>

<td><p><?php echo $row['CompanyName']; ?></p></td>

<td><p><?php echo $row['Date']; ?></p></td>

<td><p><?php echo $row['CP']; ?></p></td>

<td><p><?php echo $row['PVenue']; ?></p></td>

<td><p><?php echo $row['SSLC'] ; ?></p></td>

<td><p><?php echo $row['PU']; ?></p></td>

<td><p><?php echo $row['BE']; ?></p></td>

<td><p><?php echo $row['Backlogs']; ?></p></td>

<td><p><?php echo $row['HofBacklogs']; ?></p></td>

<td><p><?php echo $row['DetainYears']; ?></p></td>

<td><p><?php echo $row['USN']; ?></p></td>

<td><p><?php echo $row['Name']; ?></p></td>

<td><p><?php echo $row['Placed']; ?></p></td>

</tr>

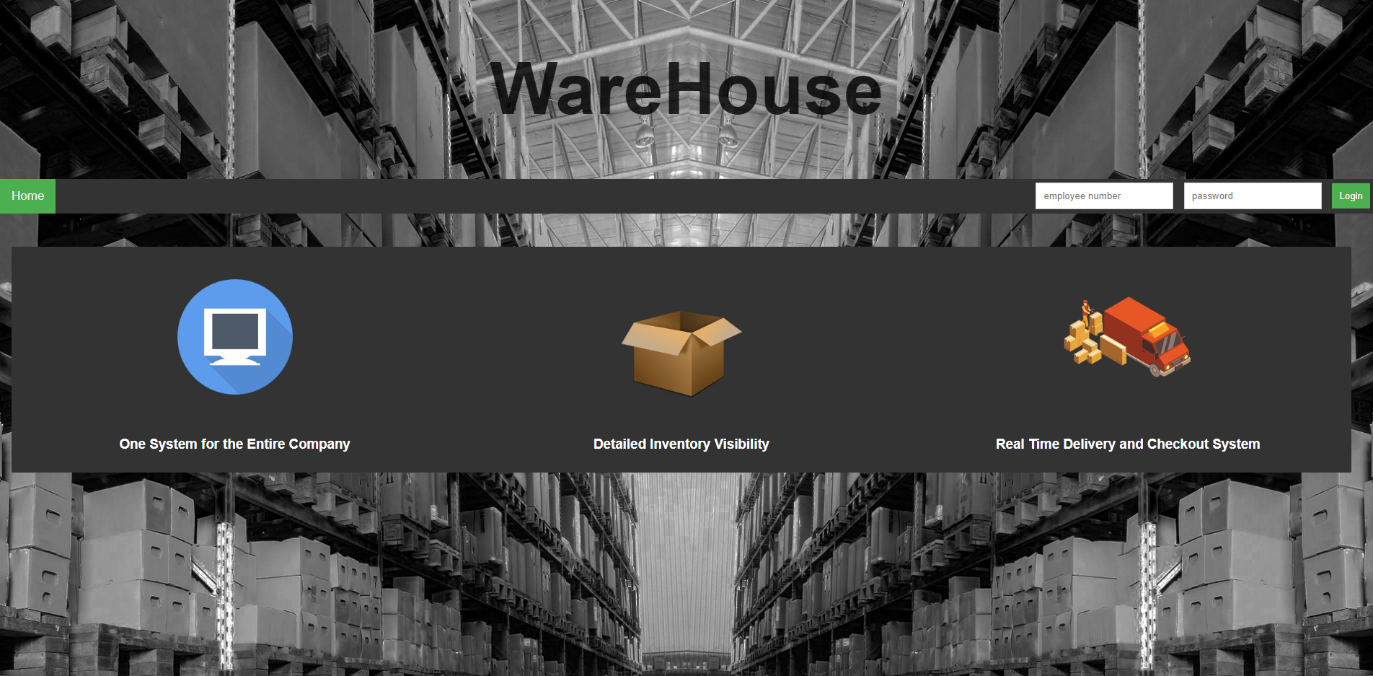
<?php

}

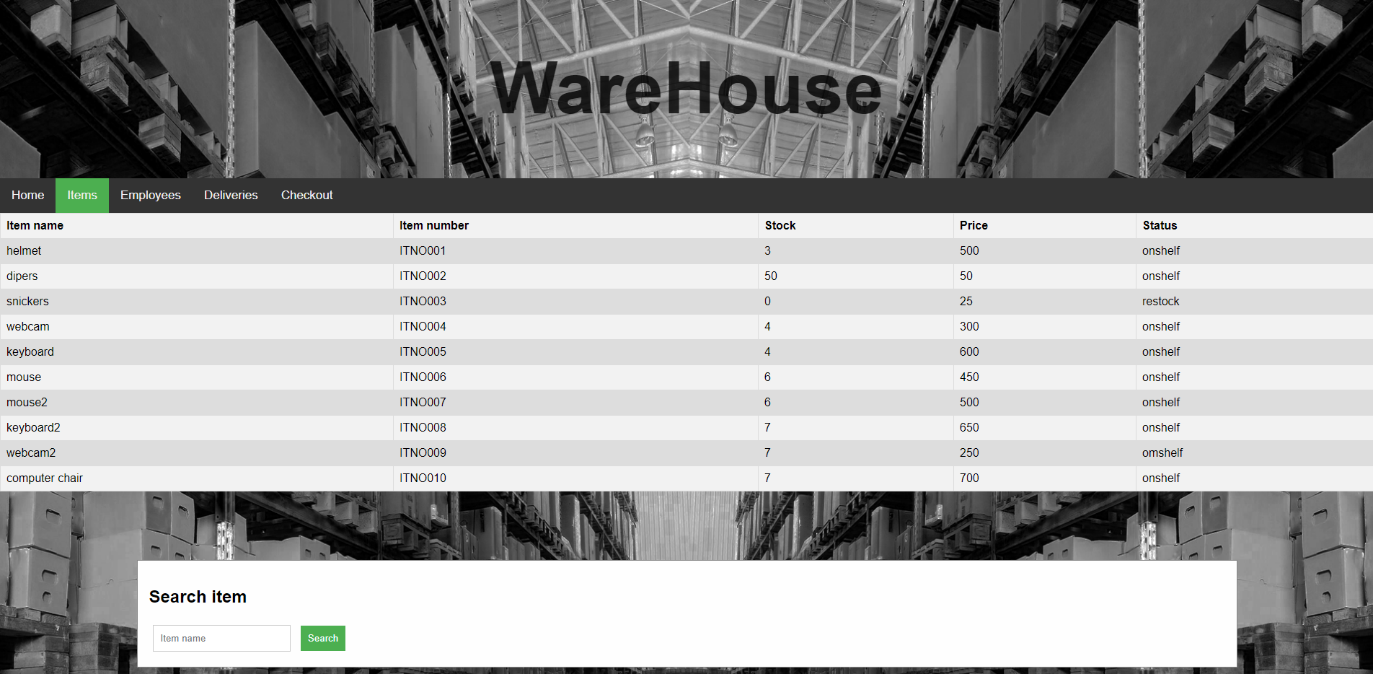
?>

**CHAPTER 5**

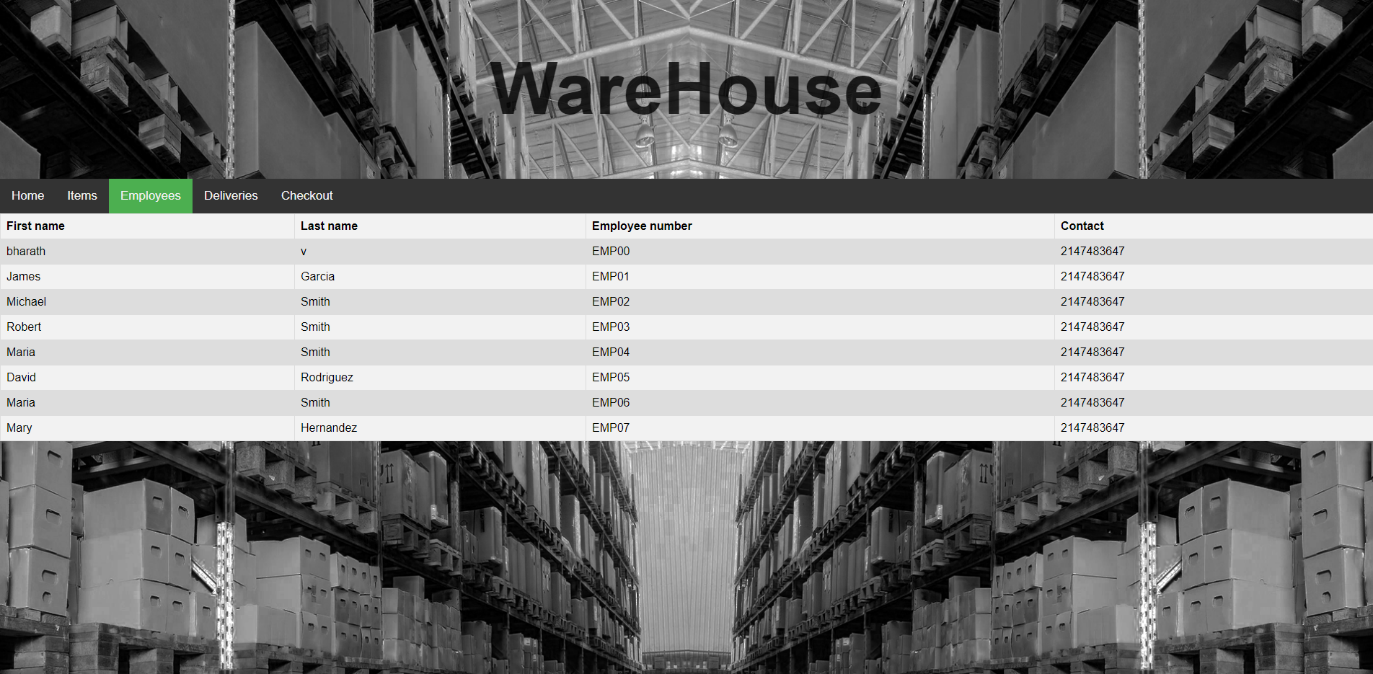
**SNAPSHOTS**

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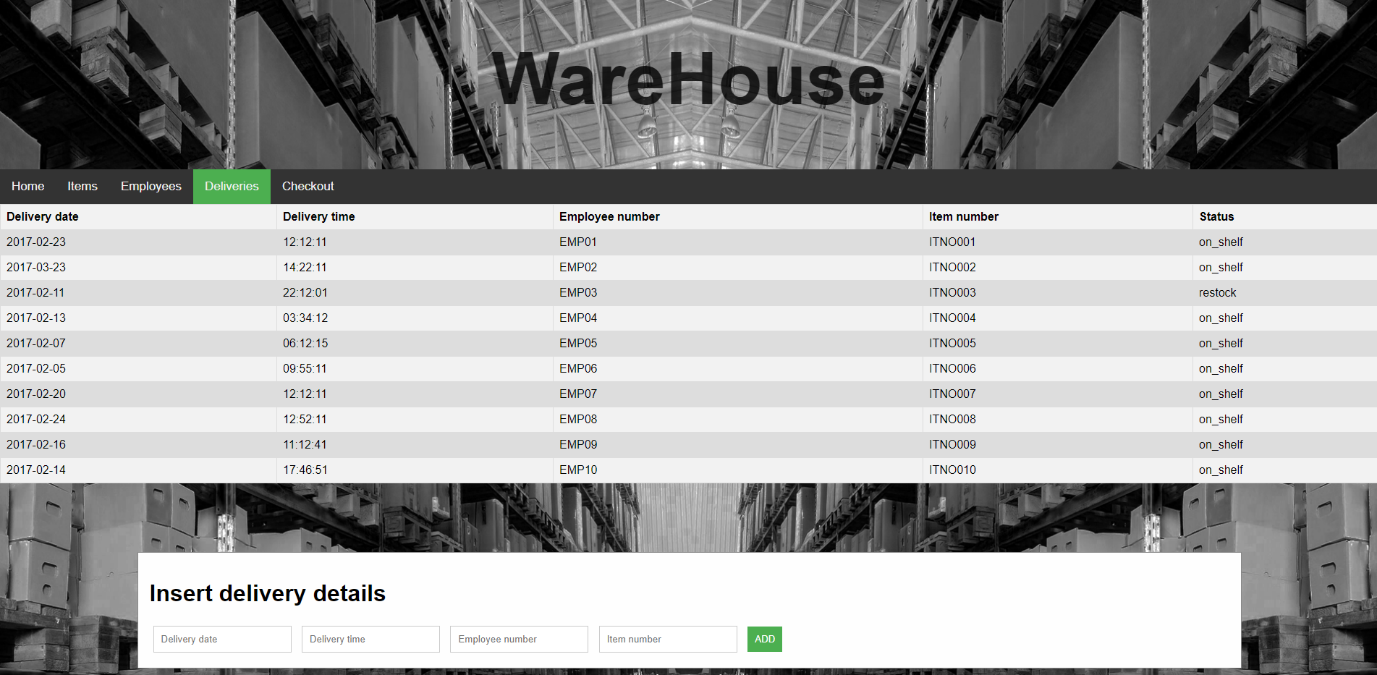
**Fig 5.1 Employee Login Page**

****

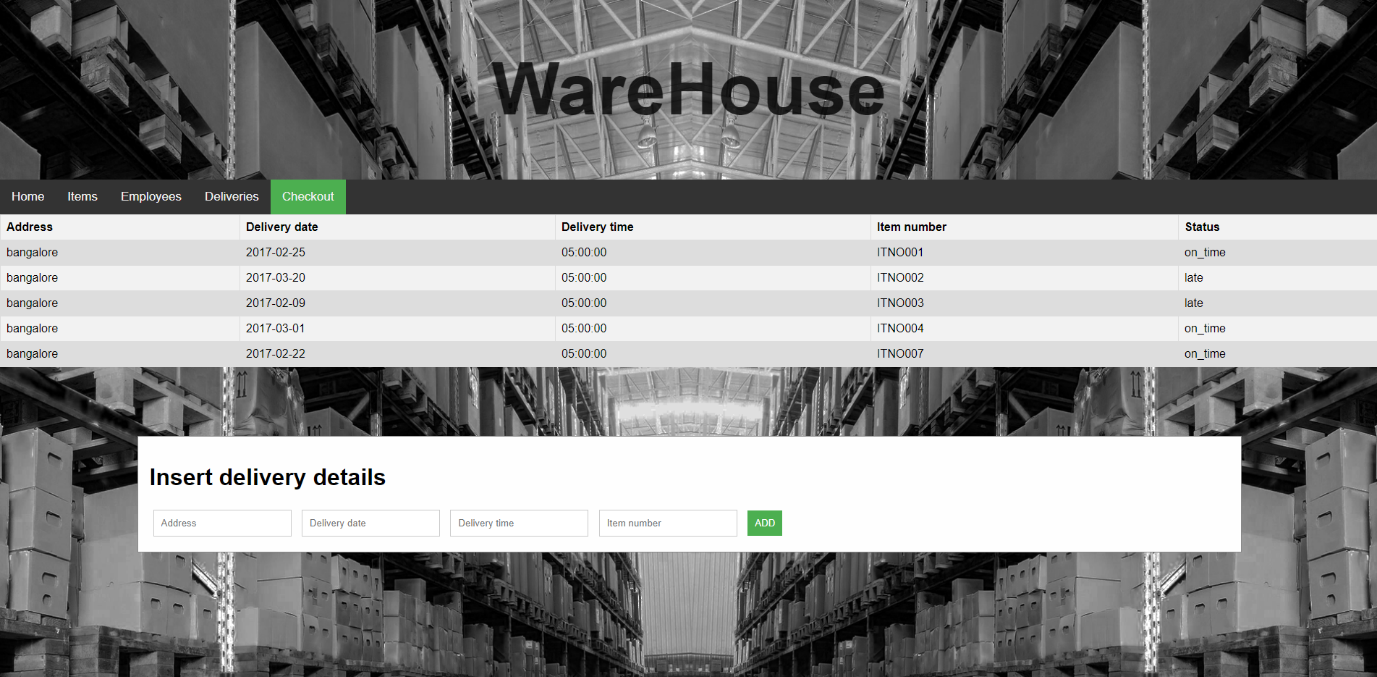
**Fig 5.2 Item list with search function**



**Fig 5.3 Employee List**



**Fig 5.4 Delivery List**



**Fig 5.5 List of checkout items with updation**

**CHAPTER 6**

**FUTURE ENHANCEMENT AND CONCLUSION**

**Future scope of the project:**

Following features can be added to enhance the application -

- Firstly, during the development of the project the main objective was to keep the hardware & software requirement as minimum as possible so that it supports various platforms.

- Secondly, the searching procedure should be faster to help locate items present in the inventory faster.

- Thirdly, modify the project to contain a more user-friendly and interactive GUI.

- Fourthly, encryption can be implemented to keep data safe.

-Seventh, we can modify our project by adding history and details of company.

**CONCLUSION**

From a proper analysis of positive points and constraints on the component, it can be concluded that the product is a highly efficient GUI based component. This component can be easily plugged into many other platforms. Generally, the employees of the warehouse have to face a lot of problems in management of the goods. All this information has to be managed manually. So, there is a need to develop a system which helps locate and store items faster while also keeping track of the inventory space and updating the information in real time.

**CHAPTER 7**

**REFERENCES**

* wikipedia.org
* www.google.com
* www.w3schools.com