

## Introduction to Project

### 1.1 Introduction

Develop this application system for maintain Hardware equipment stocks, inventory records, sales, order, payment records for daily and monthly basis. This web-based application system software used in any kind of shop like hardware accessory shop.

Hardware shop is the place where the Hardware equipment is sold. But sometimes you may not able to get the needed material in particular hardware shop. This may feed to some inconvenience. So keeping track of all the equipments and the hardware items in the particular shop in the particular region is very important. The hardware shop equipment management system application helps in managing Hardware equipments in a well-organized way. This will be very useful project if the hardware shop has a lot of equipments to manage so that it can be managed in an easy way through this application.

The user interface must be simple and easy to understand even by the common man. The database can be strong enough which will be capable of holding all the details or the information related to the Hardware shop.

There are five menus or sub module in our Hardware equipment management system.

1. User
2. Stock
3. Sales
4. Suppliers
5. Contact Form
6. Feedback form
7. Report

The Product menu used to manage the hardware details, supplier details, product details and customer details. The Order menu is used to purchase and sales transactions and also maintain stock details.

## 1.2 Existing System

- ✓ The existing system is completely Book keeping and ledgers based.
- ✓ Inconsistency was the major problem in the existing system as there is no proper facility was provided to update the data.
- ✓ Maintenance is a huge problem in billing and calculation.
- ✓ Updating, changes in details is a tedious task.
- ✓ Large storage space is required to keep to the files and register in proper coordination's.
- ✓ Performance is not achieved up to the requirements.
- ✓ Existing System was not time consuming & manually.

## 1.3 Need and Scope of System

- Application for Hardware Shop Management System is time consuming and records are computerized.
- Our new application system reduce paper work.
- Our system application reduce man power.
- Our system application maintain properly.
- Hardware Shop Management system easy accessibility
- Our system to gives better service to customer.

## 1.4 Organization Profile

A new system was proposed to overcome the futures and limitation of existing system. The aim of development this proposed system to provide quick services and managing the data to easy reduce, the work of existing system. Data is centralized which has overcome the Sharing problem in proposed system.

As data is maintained electronically, it's easy for a person to update the details, which has overcome the tedious updating in system. Proposed system Maintenance is easy. The Proposed system has fully automate. Customers to approach directly to purchase the products.

# Chapter 2

## Proposed System

## Proposed System

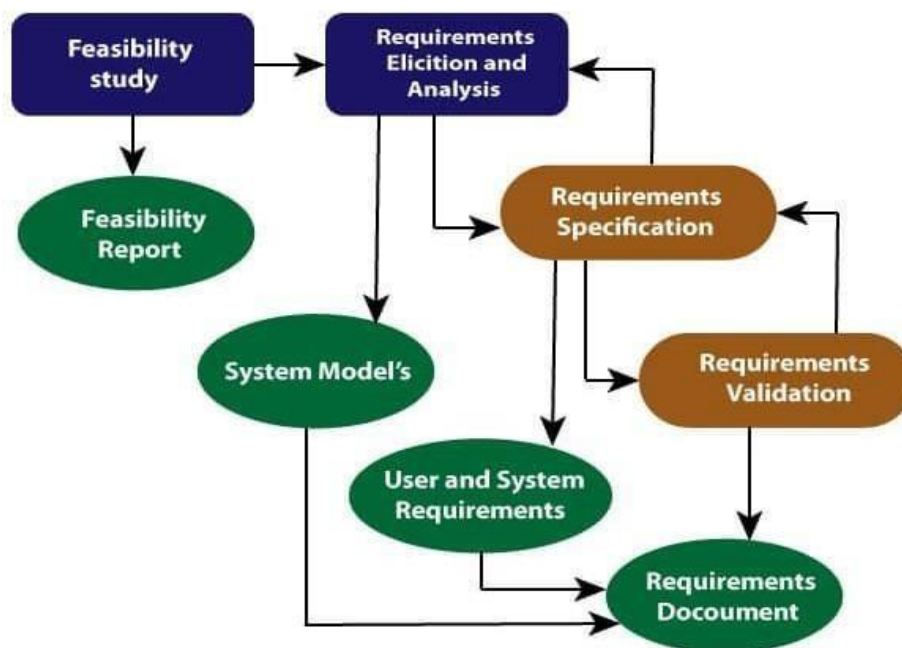
### 2.1 Objectives

In the system, we are mentioned the admin login, purchase, sales and update stock. The admin can change and add new equipment, delete the equipment, edit the equipment details, generate the reports.

Hardware shop is the place where the hardware equipment is sold. But sometimes you may not able to get the needed material in particular sports shop. This may lead to some inconvenience. So keeping track of all the equipments and the hardware items in the particular shop in the particular region is very important. The hardware equipment management system application helps in managing sports equipments in a well-organized way. This will be very useful project if the hardware shop has a lot of equipments to manage so that it can be managed in an easy way through this application.

### 2.2 Requirement Engineering:

Requirements Engineering (RE) refers to the process of defining, documenting, and maintaining requirements in the engineering design process. Requirement engineering provides the appropriate mechanism to understand what the customer desires, analyzing the need, and assessing feasibility, negotiating a reasonable solution, specifying the solution clearly, validating the specifications and managing the requirements as they are transformed into a working system. Thus, requirement engineering is the disciplined application of proven principles, methods, tools, and notation to describe a proposed system's intended behavior and its associated constraints.



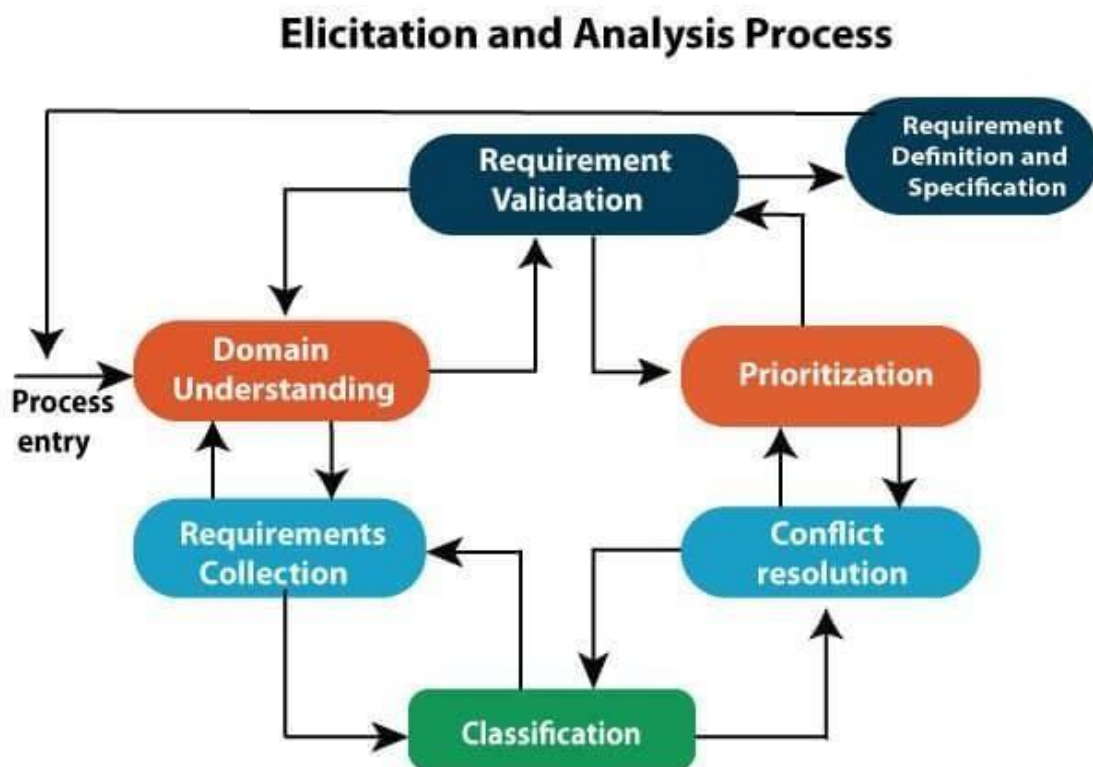
**Requirement Engineering Process**

### Feasibility Study:

The objective behind the feasibility study is to create the reasons for developing the software that is acceptable to users, flexible to change and conformable to established standards.

- **Technical Feasibility** - Technical feasibility evaluates the current technologies, which are needed to accomplish customer requirements within the time and budget.
- **Operational Feasibility** - Operational feasibility assesses the range in which the required software performs a series of levels to solve business problems and customer requirements.
- **Economic Feasibility** - Economic feasibility decides whether the necessary software can generate financial profits for an organization.

### Requirement Elicitation and Analysis:



This is also known as the gathering of requirements. Here, requirements are identified with the help of customers and existing systems processes, if available. Analysis of requirements starts with requirement elicitation. The requirements are analyzed to identify inconsistencies, defects, omission, etc. We describe requirements in terms of relationships and also resolve conflicts if any.

Problems of Elicitation and Analysis:

- Getting all, and only, the right people involved.
- Stakeholders often don't know what they want
- Stakeholders express requirements in their terms.
- Stakeholders may have conflicting requirements.
- Requirement change during the analysis process.
- Organizational and political factors may influence system requirements.

### **Software Requirement Specification:**

Software requirement specification is a kind of document which is created by a software analyst after the requirements collected from the various sources - the requirement received by the customer written in ordinary language. It is the job of the analyst to write the requirement in technical language so that they can be understood and beneficial by the development team.

•**Data Flow Diagrams:** Data Flow Diagrams (DFDs) are used widely for modeling the requirements. DFD shows the flow of data through a system. The system may be a company, an organization, a set of procedures, a computer hardware system, a software system, or any combination of the preceding. The DFD is also known as a data flow graph or bubble chart.

•**Data Dictionaries:** Data Dictionaries are simply repositories to store information about all data items defined in DFDs. At the requirements stage, the data dictionary should at least define customer data items, to ensure that the customer and developers use the same definition and terminologies.

•**Entity-Relationship Diagrams:** Another tool for requirement specification is the entity-relationship diagram, often called an "E-R diagram." It is a detailed logical representation of the data for the organization and uses three main constructs i.e. data entities, relationships, and their associated attributes.

### **Software Requirement Validation:**

After requirement specifications developed, the requirements discussed in this document are validated. The user might demand illegal, impossible solution or experts may misinterpret the needs.

Requirements can be checked against the following conditions -

- If they can practically implement
- If they are correct and as per the functionality and specially of software
- If there are any ambiguities
- If they are full
- If they can describe

## Software Requirement Management:

Requirement management is the process of managing changing requirements during the requirements engineering process and system development. New requirements emerge during the process as business needs a change, and a better understanding of the system is developed. The priority of requirements from different viewpoints changes during development process. The business and technical environment of the system changes during the development.

### 2.3 Requirement Gathering:

To gather your requirements, use the following six-step process. Once you're finished, you should have a comprehensive requirements document outlining the resources you need to move forward through the project phases.

#### Step 1: Assign Roles

The first step in requirements gathering is to assign roles in your project. This is when you identify your project stakeholders. A stakeholder is anyone invested in the project, whether they're internal or external partners. For example, a customer is an external stakeholder, while a department manager or board member is an internal stakeholder. Identifying these roles first will help you determine who should analyze your project scope later on. Other roles include the project manager, project administrator, designers, product testers, and developers. These people can help you identify the requirements and resources you need in order to hit your project goals.

While you may feel tempted to jump headfirst into your project and start listing all the things you know you'll need, this can be a mistake. Slow down and stick to the process and you'll have a better chance of preventing project risk.

#### Step 2: Meet with stakeholders

Once you've identified your project stakeholders, meet with them to get an idea of what they are hoping to get out of the project. Understanding what stakeholders want matters because they're ultimately the ones you're creating your deliverables for.

Some questions you can ask include:

- What is your goal for this project?
- What do you think would make this project successful?
- What are your concerns about this project?
- What do you wish this product or service would do that it doesn't already?
- What changes would you recommend about this project?

The stakeholders are the people you're ultimately developing the project for, so you should ask them questions that can help you create your list of requirements.

**Step 3: Gather and document**

Step three in the process happens at the same time as step two. You'll gather information as you ask your stakeholders questions. The goal is to document everything you can, so have all of the answers you need to start your project.

Use a project management tool to collect and document this information. That way, you can keep your project plan, project requirements, and project communication all in one place.

Some examples of what you might document include:

- Stakeholder answers to interview questions
- Stakeholder questions
- Stakeholder requests
- Stakeholder comments
- Questions and comments that arise during interviews

You don't have to use every answer you receive, but having everything documented can help you see all of your stakeholders' perspectives, which will help you with requirements management.

**Step 4: List assumptions and requirements**

Now that you've completed the intake process, create your requirements management plan based on the information you've gathered. Consider the questions you initially set out to answer during the requirements gathering process. Then, use them to create your requirements goals, including:

- **Length of Project Schedule:** You can map out your project timeline using a Gantt chart and use it to visualize any project requirements that depend on project milestones. Some requirements will apply for the full duration of the project, whereas others may only apply during distinct project phases. For example, you'll need a specific budget for team member salaries throughout the entire project, but you may only need specific material during the last stage of your project timeline.
- **People Involved In The Project:** Identify exactly which team members will be involved in your project, including how many designers, developers, or managers you'll need to execute every step. People are part of your project requirements because if you don't have the team members you need, you won't be able to complete the project on time.
- **Project Risks:** Understanding your project risks is an important part of identifying project requirements. Use a risk register to determine which risks are of highest priority, such as stakeholder feedback, timeline delays, and lack of budget. Then, schedule a brainstorming session with your team to figure out how to prevent these risks. Like smart goals, your project requirements should be actionable, measurable, and quantifiable. Try to go into as much detail as possible when listing out your project budget, timeline, required resources, and team.



**Step 5: Get approval**

Once you formalize your project requirements, you'll need approval from stakeholders to ensure you're meeting user needs. Encouraging clear communication can also prevent scope creep by ensuring your stakeholders know the limits of the project from the beginning. You can then proceed with your implementation plan, which may include acquiring resources and assembling a team.

**Step 6: Monitor progress**

The last part of the process is monitoring the progress of your project. You can use project management software to track your project budget and other requirements as you move through project execution. The benefit of project management software is that you can see changes to your project in real-time and take immediate action when things go away.

## 2.4 SRS

### Frontend Features:

#### 1. Semantic Structure:

HTML provides a structured way to organize content on web pages, using elements like ``<header>``, ``<nav>``, ``<section>``, ``<article>``, ``<footer>``, etc., which enhances accessibility and SEO.

#### 2. Text and Media:

It allows the inclusion of text content, images, videos, audio files, and other media types using appropriate tags (``<img>``, ``<video>``, ``<audio>``).

#### 3. Forms:

HTML enables the creation of interactive forms for user input, including input fields, checkboxes, radio buttons, dropdown menus, and submit buttons.

#### 4. Hyperlink:

HTML supports hyperlinks (``<a>`` tags) to navigate between web pages or sections within the same page.

#### 5. Accessibility:

HTML provides features for improving accessibility, such as alt attributes for images, tab index for defining the tab order, and ARIA attributes for enhancing accessibility for users with disabilities.

#### 6. Styling:

CSS allows developers to apply styles to HTML elements, controlling aspects like color, typography, spacing, layout, and visual effects.

#### 7. Selectors:

CSS provides a wide range of selectors to target HTML elements based on their type, class, ID, attributes, or relationships with other elements, enabling precise styling.

#### 8. Layout:

CSS offers layout techniques like Flex box and Grid to create responsive and flexible layouts that adapt to different screen sizes and orientations.

#### 9. Media Queries:

CSS media queries allow developers to apply different styles based on the characteristics of the user's device, such as screen width, height, resolution, and orientation, enabling responsive design.

**10. Libraries and Frameworks:** JavaScript has a rich ecosystem of libraries and frameworks like J Query, React.js, Angular, Vue.js, and Bootstrap, which provide pre-built

components, utilities, and tools to streamline front-end development and enhance productivity.

## **Backend Features:**

### **PHP (Hypertext Preprocessor):**

#### **1. Server-Side Scripting:**

PHP is a server-side scripting language used to generate dynamic web content and interact with databases, executing code on the server before sending the result to the client's browser.

#### **2. Database Connectivity:**

PHP provides built-in functions and extensions for connecting to and interacting with various database management systems (DBMS), including MySQL, PostgreSQL, SQLite, MongoDB, and others.

#### **3. Data Processing:**

PHP enables developers to process form submissions, handle file uploads, manipulate strings, parse XML or JSON data, and perform other data processing tasks on the server side.

#### **4. Session Management:**

PHP supports session management to maintain user state across multiple page requests, allowing for the storage and retrieval of session variables, user authentication, and access control.

#### **5. Server-Side Includes:**

PHP allows developers to include other PHP files or scripts within a page using server-side includes (SSI), enabling code reuse, modularization, and easier maintenance.

### **MySQL:**

#### **1. Relational Database Management:**

MySQL is a popular open-source relational database management system (RDBMS) that stores and organizes data in tables with predefined relationships, supporting features like transactions, ACID properties, and referential integrity.

#### **2. SQL (Structured Query Language):**

MySQL uses SQL as its query language for performing operations such as data retrieval, insertion, updating, and deletion, enabling developers to interact with the database programmatically.

#### **3. Data Types:**

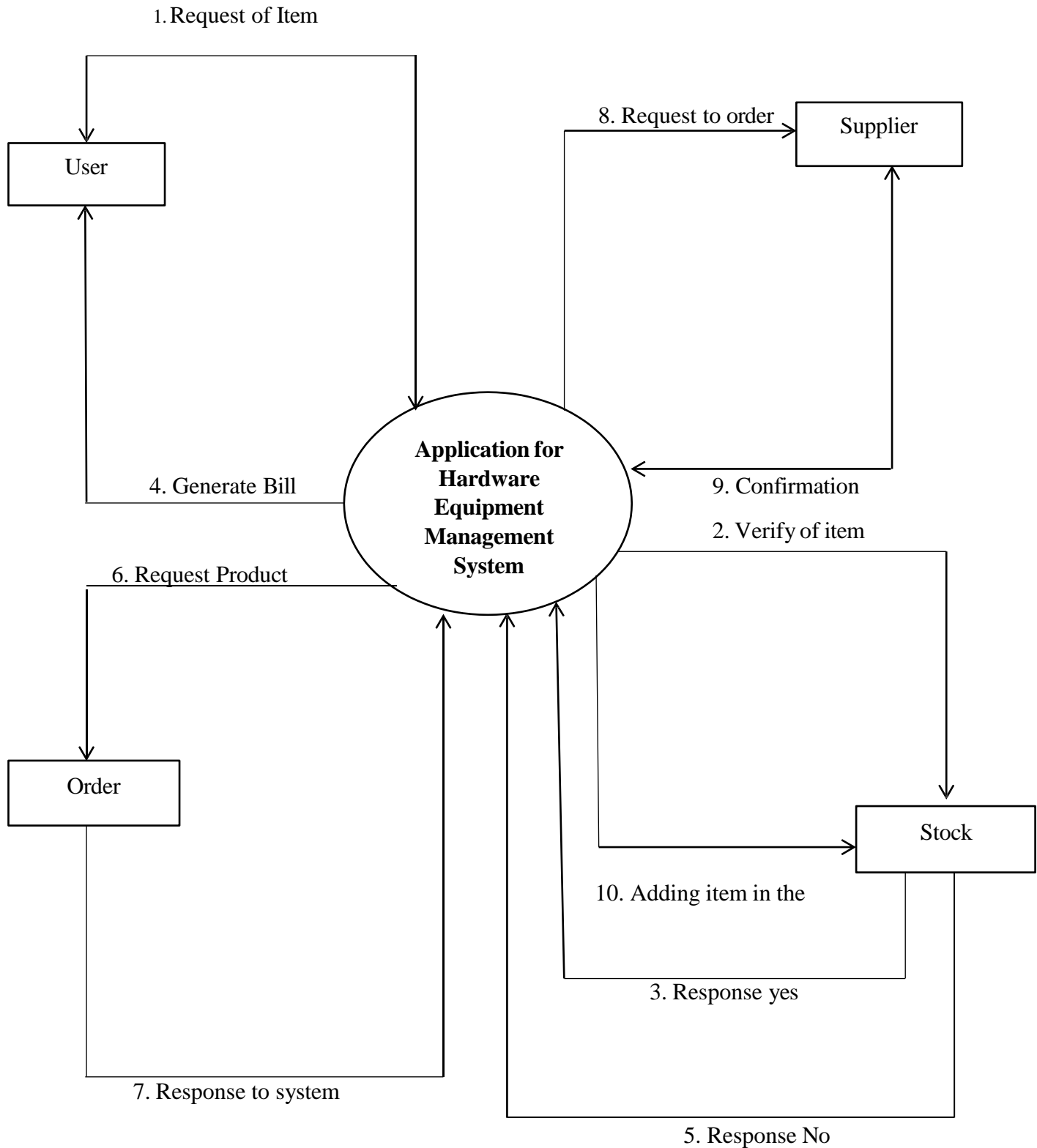
MySQL supports various data types for storing different types of data, including integers, floats, strings, dates, times, binary data, and spatial data types for geographic information.

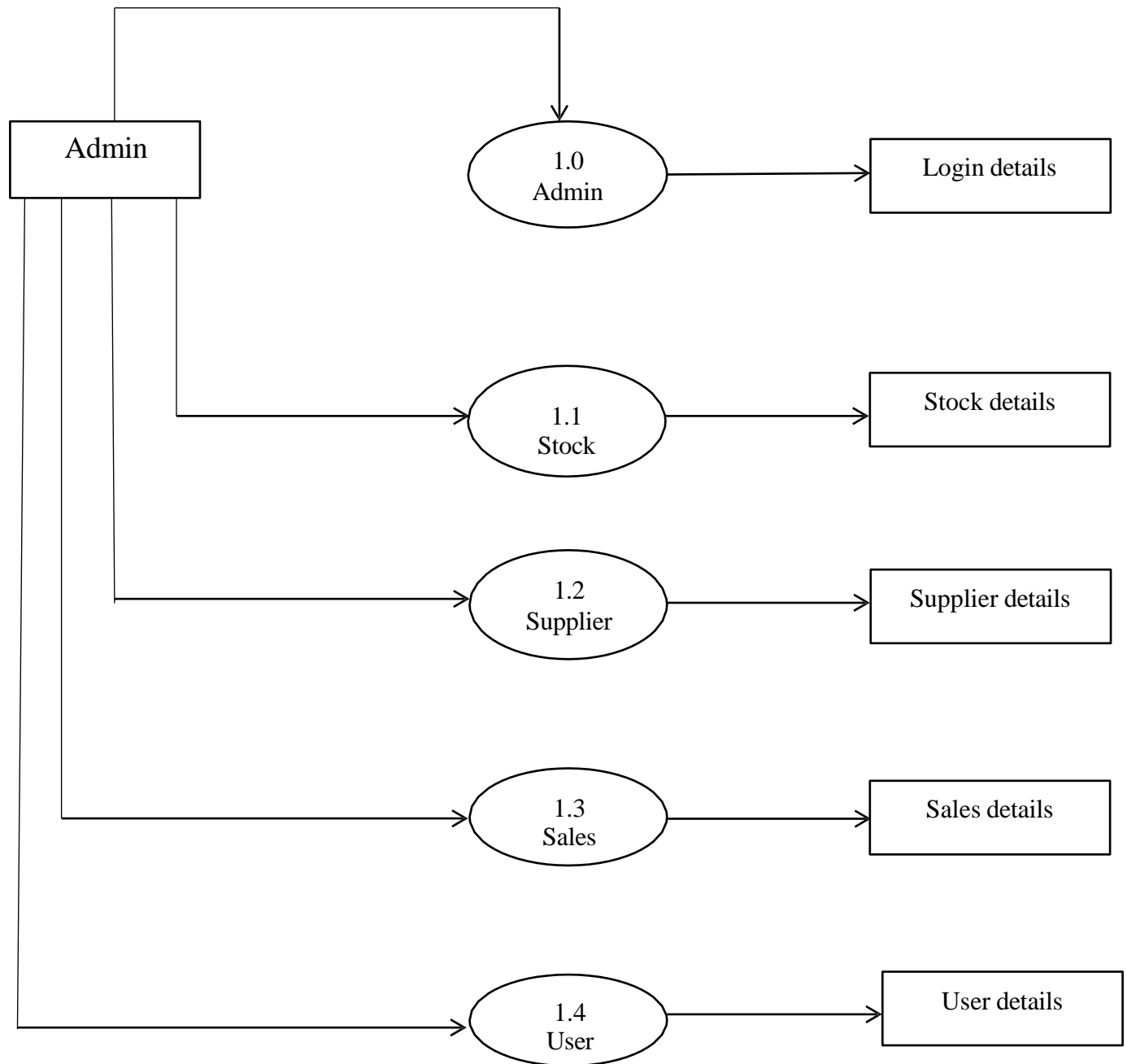
# Chapter 3

## System Diagrams

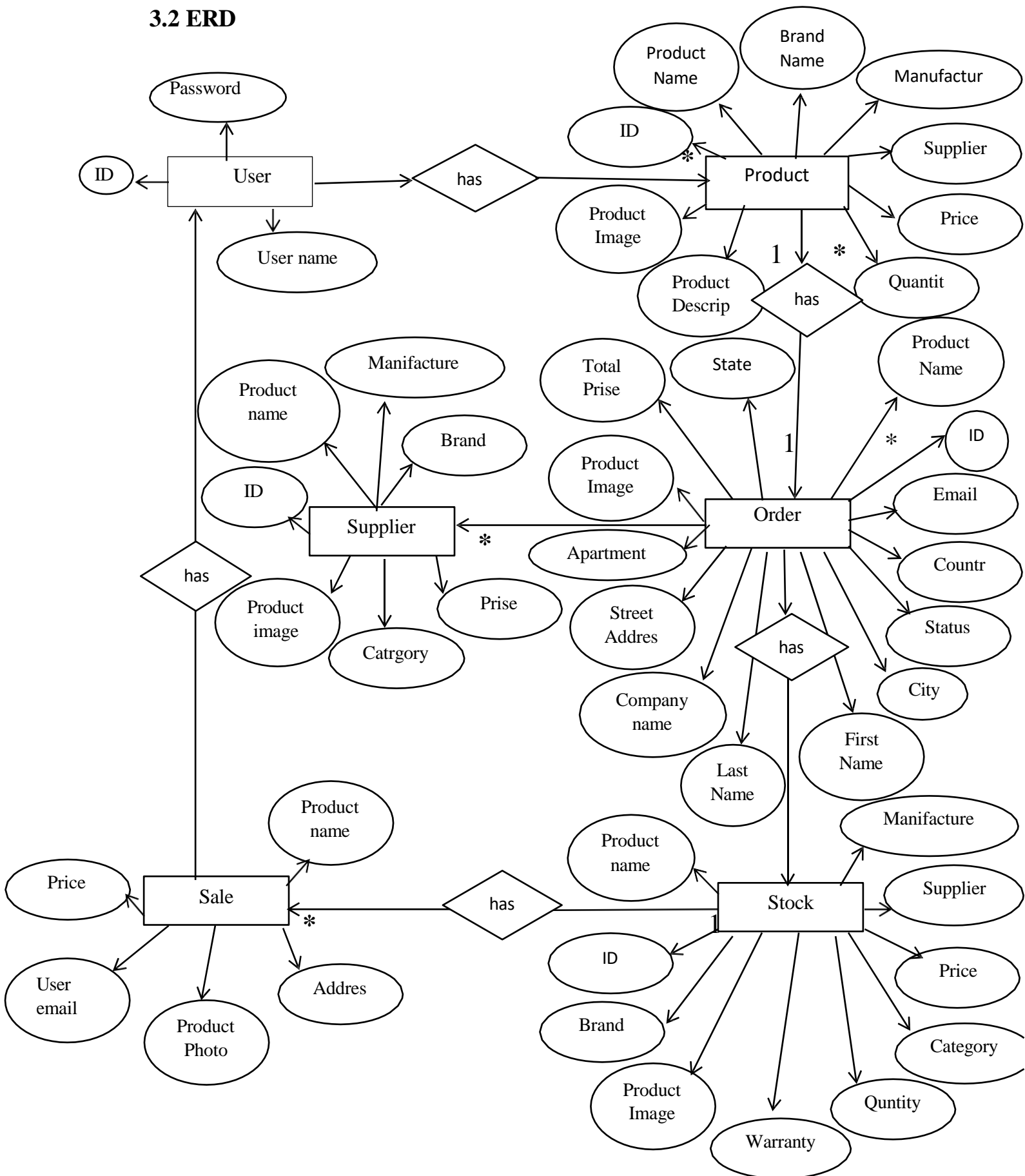
## System Diagrams

### 3.1 DFD



**First Level DFD**

## 3.2 ERD



**3.3 Hardware Requirement:**

Processor: Intel Core 2

Ram: 4 GB

Keyboard: Standard keyboard

Mouse: Standard quality mouse

Monitor: Color monitor

**3.4 Software Requirement:**

Operating System: Windows 7, Windows 10, Windows 11, XP

Web Browser: Internet Explorer, Firefox, Chrome etc.,

Text Editor: Visual Studio Code

Server: xampp server.



# Chapter 4

## System Design

## System Design

### 4.1 Database Design

#### User Registration:

System Name – Application for Hardware Equipment Management System				
Table Name – users				
Sr.No	Field Name	Data type	Size	Description
1	id	int	-	To store users id.
2	username	varchar	50	To store users name.
3	password	varchar	255	To store users password.
4	created_at	date	-	To store created date.

#### Product Details:

System Name – Application for Hardware Equipment Management System				
Table Name – products				
Sr.No	Field Name	Data type	Size	Description
1	id	int	-	To store product id.
2	product_name	varchar	255	To store product name.
3	brand_name	varchar	255	To store brand name.
4	manufacturer	varchar	255	To store manufacturer.
5	supplier	varchar	255	To store supplier.
6	price	varchar	10,2	To store price.
7	category	varchar	100	To store category.
8	quantity	varchar	255	To store quantity.
9	warranty	varchar	100	To store warranty.
10	product_desc	varchar	5000	To store product description.
11	product_image	varchar	255	To store product image.
12	created_at	date	-	To store created date.

**Order Details:**

<b>System Name – Application for Hardware Equipment Management System</b>				
<b>Table Name – orders</b>				
<b>Sr.No</b>	<b>Field Name</b>	<b>Data type</b>	<b>Size</b>	<b>Description</b>
1	id	int	-	To store id.
2	email	varchar	255	To store email id.
3	first_name	varchar	100	To store first name.
4	last_name	varchar	100	To store last name.
5	company_name	varchar	100	To store company name.
6	country	varchar	100	To store country.
7	Street_address	varchar	255	To store street address.
8	apartment	varchar	100	To store apartment.
9	city	varchar	100	To store city.
10	state_country	varchar	100	To store state country.
11	postcode_zip	varchar	20	To store postcode zip.
12	phone	varchar	20	To store phone.
13	payment_method	varchar	50	To store payment method.
14	product_names	varchar	255	To store product names.
15	total_price	varchar	10,2	To store total price.
16	status	varchar	50	To store status.
17	created_at	date	-	To store created date.

**Add to cart details:**

<b>System Name – Application for Hardware Equipment Management System</b>				
<b>Table Name – cart</b>				
<b>Sr.No</b>	<b>Field Name</b>	<b>Data type</b>	<b>Size</b>	<b>Description</b>
1	id	int	-	To store id.
2	user_id	varchar	50	To store users id.
3	product_id	int	-	To store product id.
4	quantity	int	-	To store quantity.
5	created_at	date	-	To store created date.

**Contact details:**

<b>System Name – Application for Hardware Equipment Management System</b>				
<b>Table Name – contactform</b>				
<b>Sr.No</b>	<b>Field Name</b>	<b>Data type</b>	<b>Size</b>	<b>Description</b>
1	id	int	-	To store id.
2	full_name	varchar	100	To store full name.
3	phone_number	varchar	15	To store phone number.
4	email	varchar	100	To store email id.
5	subject	varchar	100	To store subject.
6	created_at	date	-	To store created date.

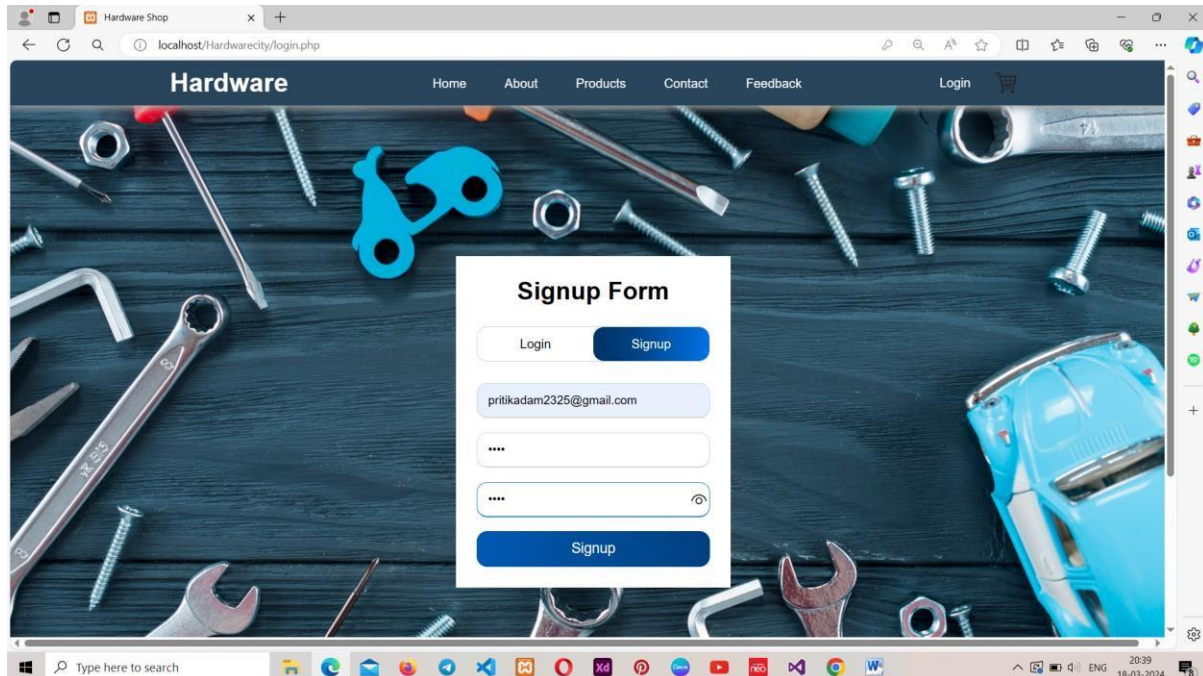
**Feedback details:**

<b>System Name – Application for Hardware Equipment Management System</b>				
<b>Table Name – feedbackform</b>				
<b>Sr.No</b>	<b>Field Name</b>	<b>Data type</b>	<b>Size</b>	<b>Description</b>
1	id	int	-	To store id.
2	full_name	varchar	100	To store full name.
3	phone_number	varchar	15	To store phone number.
4	email	varchar	100	To store email.
5	opinion	varchar	100	To store opinion.
6	created_at	date	-	To store created date.

## 4.2 Input Design

### User Registration:

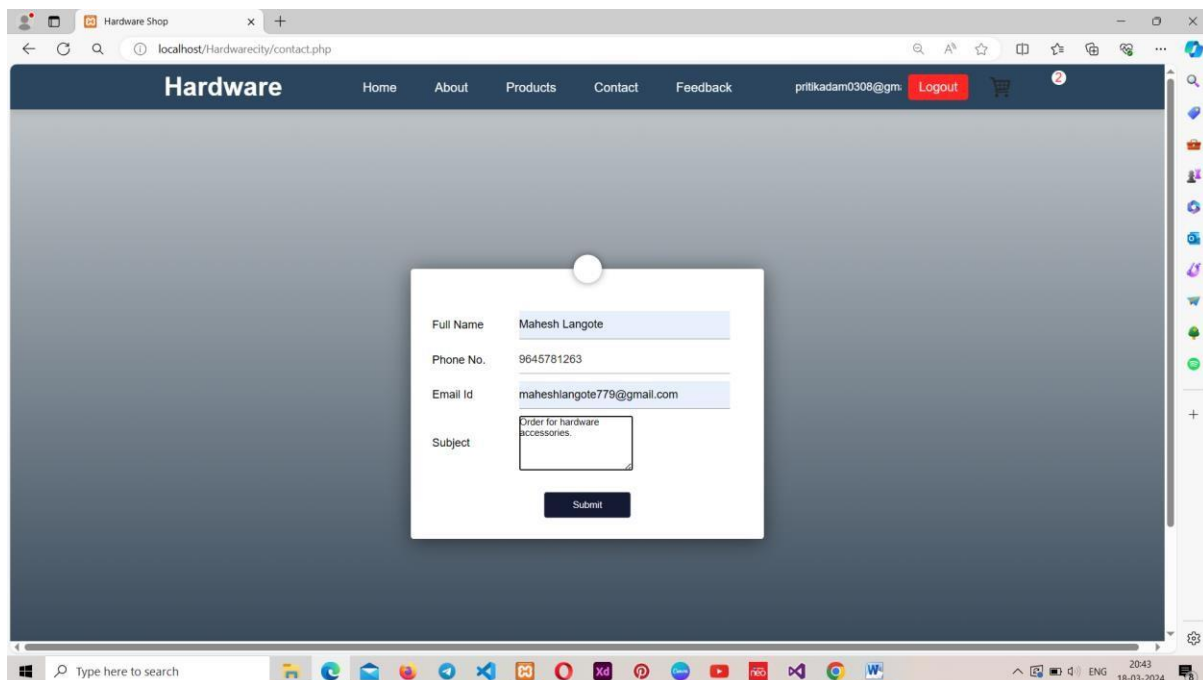
**Description:** In this page user sign up the form.



The screenshot shows a web browser window with the URL `localhost/Hardwarecity/login.php`. The page has a dark blue header with the title "Hardware" and navigation links: Home, About, Products, Contact, Feedback, Login, and a shopping cart icon. The background image shows various tools like wrenches, screws, and a blue toy car. A white "Signup Form" is centered on the page. It includes a "Login" button and a "Signup" button. Below these are input fields for email (containing "pratikadam2325@gmail.com"), password (masked with "\*\*\*\*"), and a second password field (also masked with "\*\*\*\*" and featuring an eye icon for toggling visibility). A "Signup" button is at the bottom of the form.

### Contact:

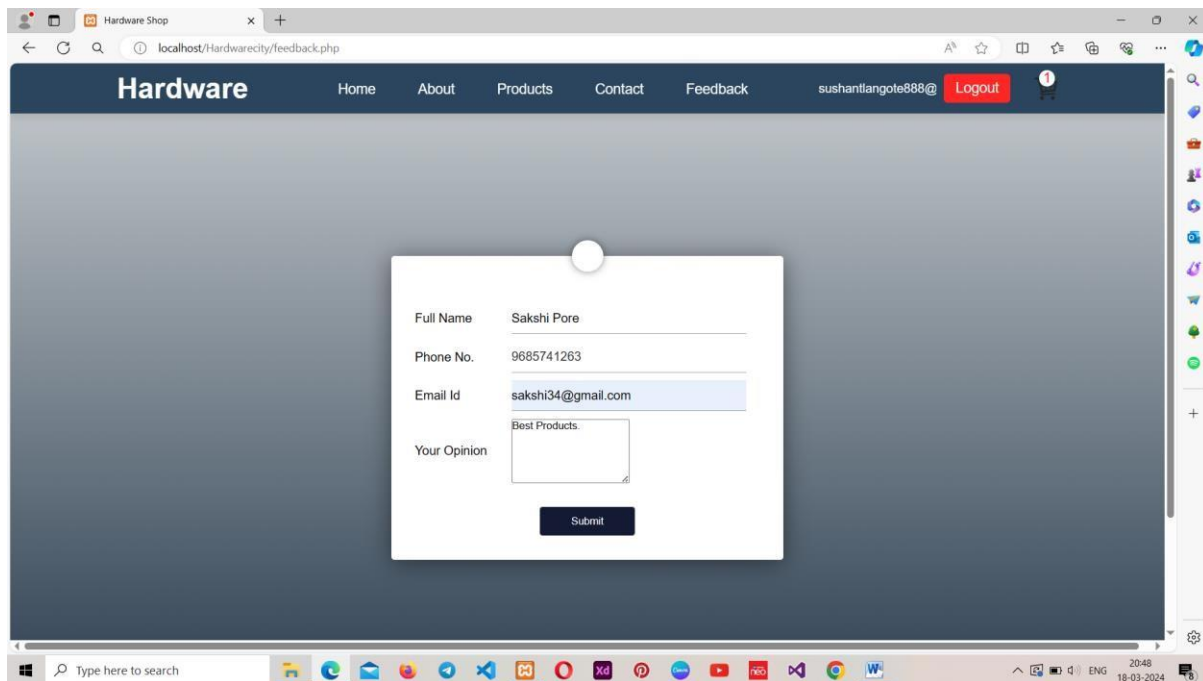
**Description:** In this page user contact the form.



The screenshot shows a web browser window with the URL `localhost/Hardwarecity/contact.php`. The page has a dark blue header with the title "Hardware" and navigation links: Home, About, Products, Contact, Feedback, and a "Logout" button. The background is a solid dark blue. A white "Contact Form" is centered on the page. It includes input fields for "Full Name" (containing "Mahesh Langote"), "Phone No." (containing "9645781263"), "Email Id" (containing "maheshlangote779@gmail.com"), and "Subject" (containing "Order for hardware accessories."). A "Submit" button is at the bottom of the form.

## Feedback:

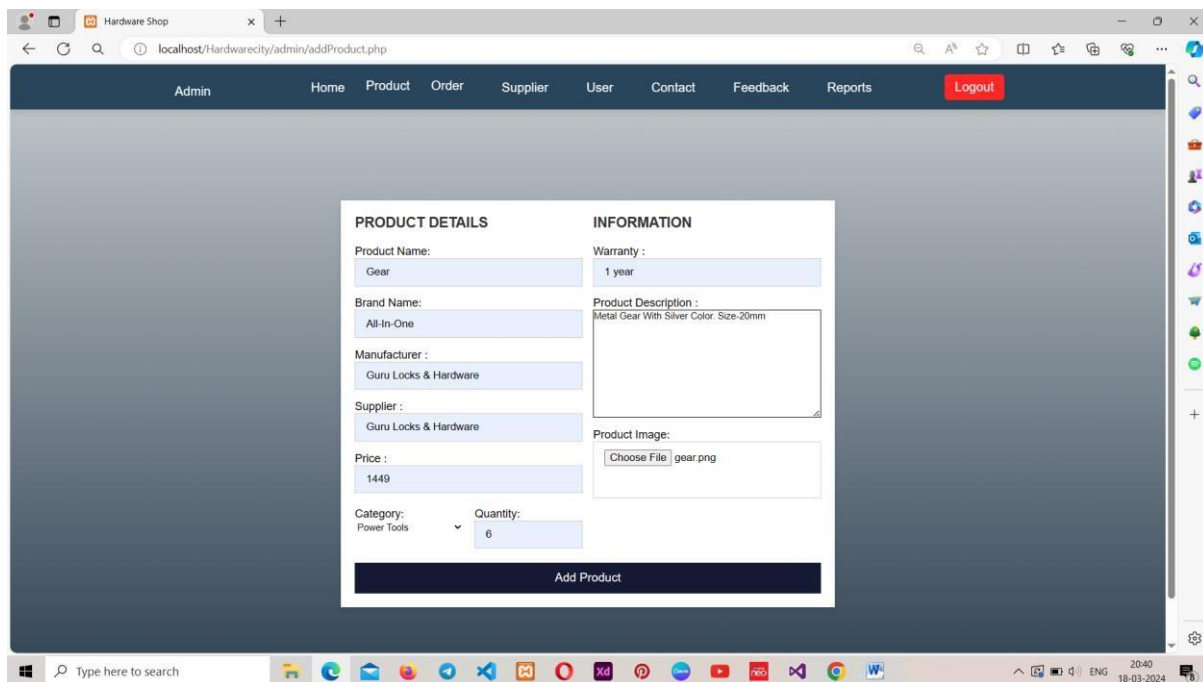
**Description:** In this page user feedback the form.



The screenshot shows a web browser window with the URL `localhost/hardwarecity/feedback.php`. The page has a dark blue header with the title "Hardware Shop" and navigation links: Home, About, Products, Contact, Feedback. The user is logged in as "sushantlangote888@" with a "Logout" button. A feedback form is displayed in the center, containing fields for Full Name (Sakshi Pore), Phone No. (9685741263), Email Id (sakshi34@gmail.com), and a text area for "Your Opinion" with the placeholder "Best Products". A "Submit" button is at the bottom of the form.

## Product details:

**Description:** In this page product details form.



The screenshot shows a web browser window with the URL `localhost/hardwarecity/admin/addProduct.php`. The page has a dark blue header with the title "Hardware Shop" and navigation links: Admin, Home, Product, Order, Supplier, User, Contact, Feedback, Reports. The user is logged in as "sushantlangote888@" with a "Logout" button. A product details form is displayed in the center, containing fields for Product Name (Gear), Brand Name (All-In-One), Manufacturer (Guru Locks & Hardware), Supplier (Guru Locks & Hardware), Price (1449), Category (Power Tools), Quantity (6), Warranty (1 year), Product Description (Metal Gear With Silver Color. Size-20mm), and Product Image (Choose File | gear.png). An "Add Product" button is at the bottom of the form.

## Product Order form:

**Description:** In this page product order form.

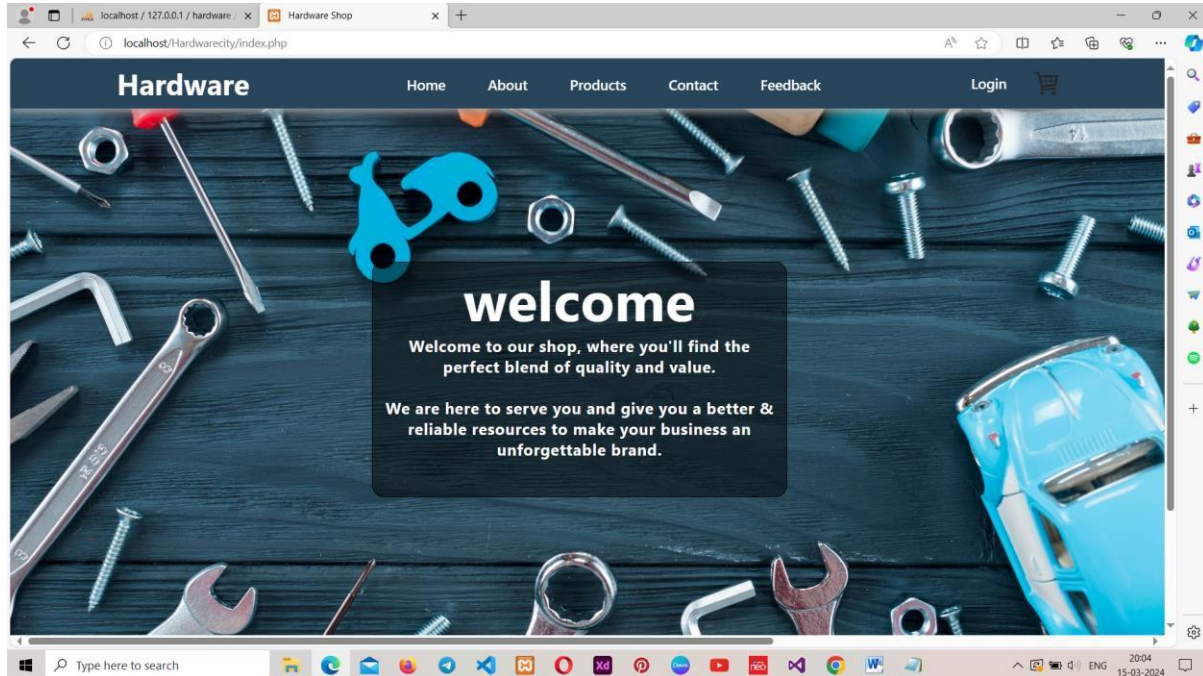
The screenshot displays a web browser window with the URL `localhost/hardwarecity/buyNow.php`. The website has a dark blue header with the title 'Hardware' and navigation links: Home, About, Products, Contact, Feedback, and a user profile 'sushantlangote888@' with a 'Logout' button. The main content area features a 'Product Order Form' with a light blue header. The form is divided into two columns. The left column contains input fields for: First Name (Sushant), Last Name (Langote), Company Name (Optional), Country (India), Street Address (Kokale, SRV/MK near, Kavathemahankal), State / Country, Postcode / ZIP (416405), and Phone (07447854512). A green 'Buy Now!' button is at the bottom of this column. The right column, titled 'Your order', shows a product list with 'Gear' as the product name, a subtotal of '1449 Rs', 'Free shipping', and 'Cash On Delivery' as the selected payment method. The footer of the website includes 'Copyright © 2024 Hardware City All rights reserved' and links to 'Privacy policy' and 'Terms & condition'. The Windows taskbar at the bottom shows the search bar and various application icons.



### 4.3 Output Design

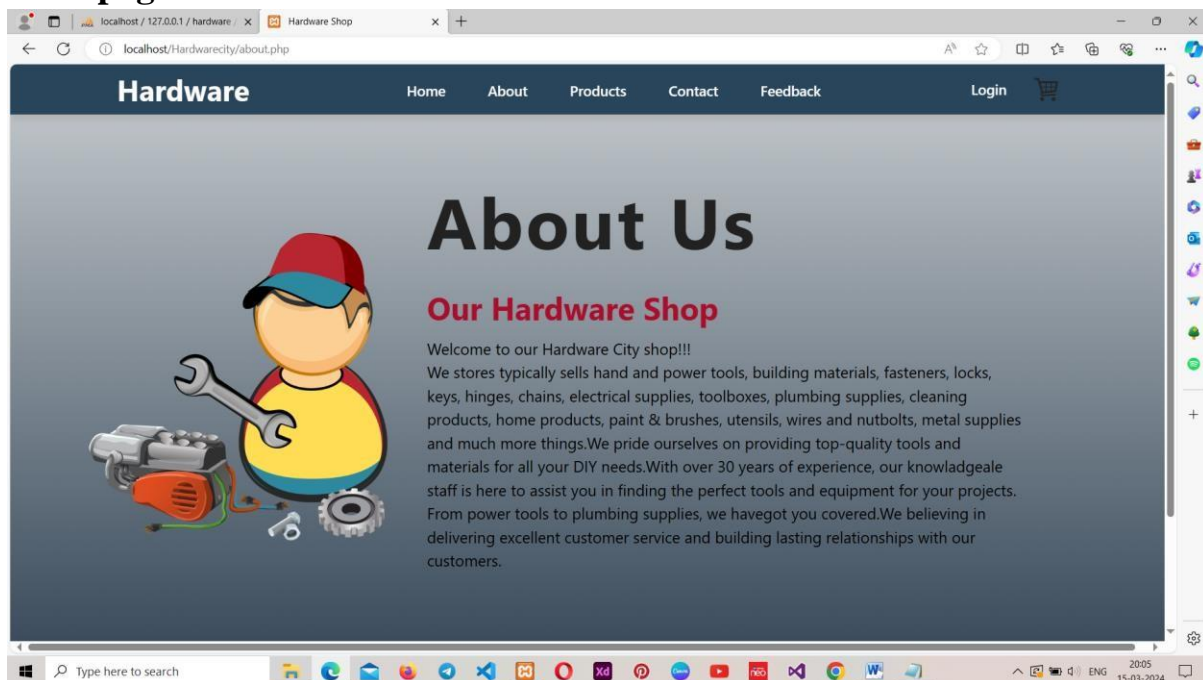
#### Homepage:

When user click to homepage to display all information about the homepage.



#### About Page:

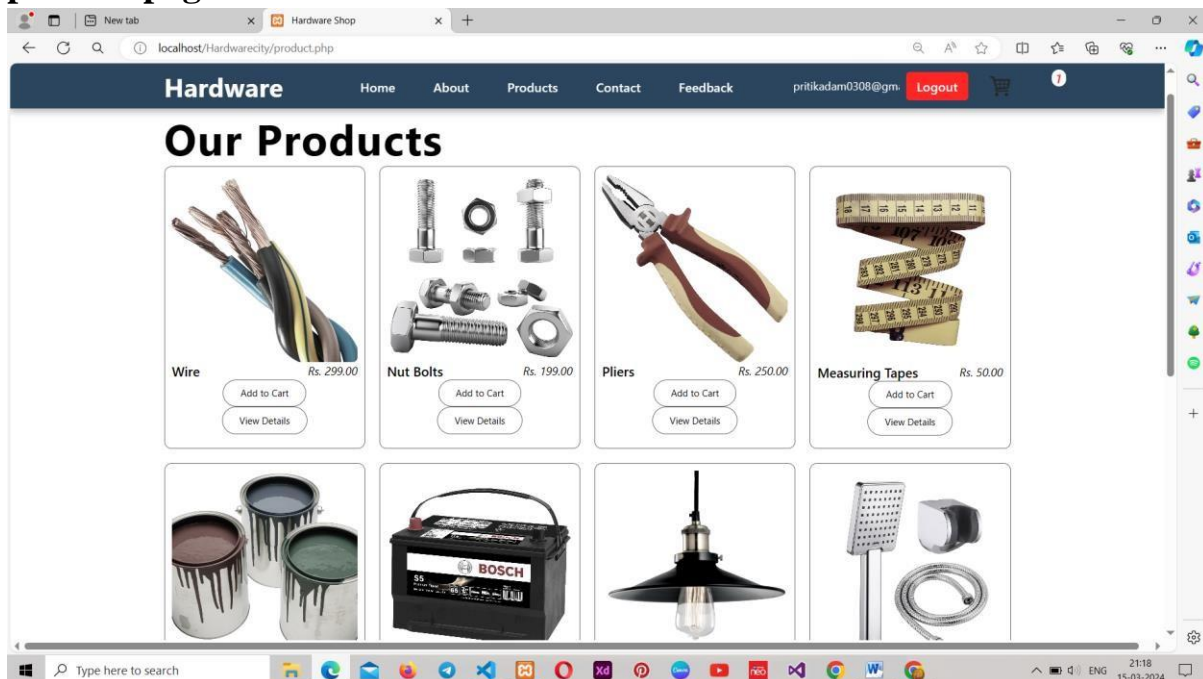
When user click to about page to display all information about the aboutpage.





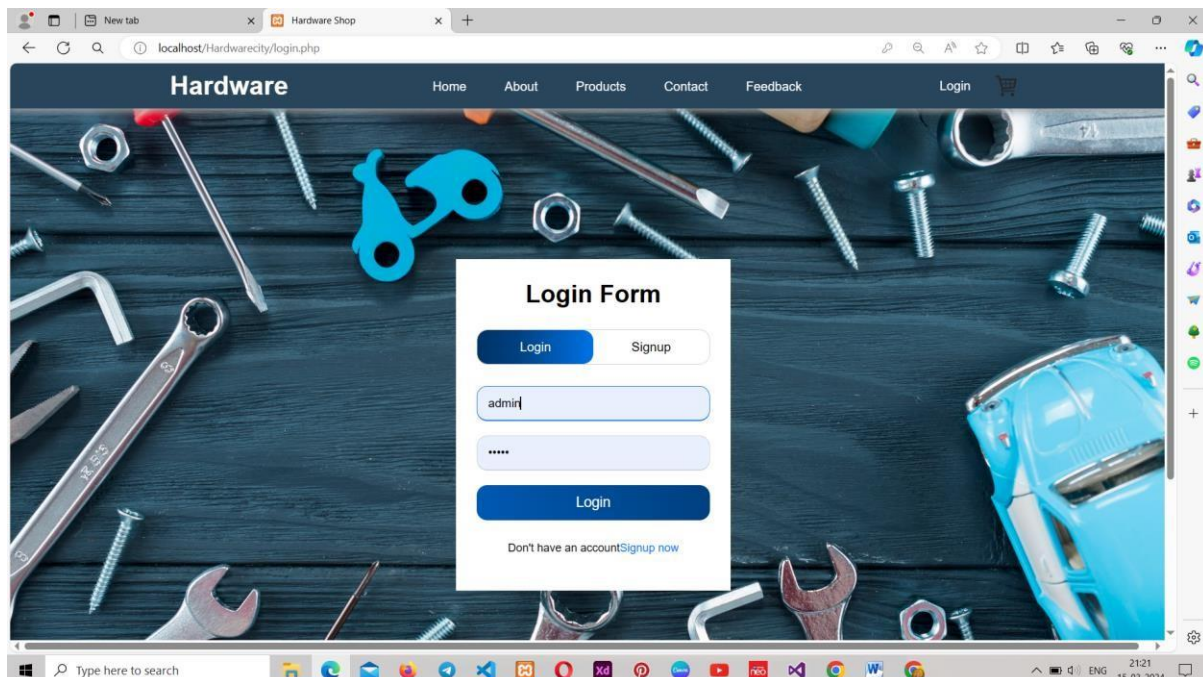
## Products:

When user click to product page to display all information about the product page.



## Login Form:

When user click to login page to display all information about the login page.



# Chapter 5

## User Guideline










## User Guideline

### 5.1 Installation Process (User Manual):

#### User Manual:

Our system is Hardware Equipment Management System, before using our system provide user guidelines you how to handle a system.

The project contains some main pages Button and menus are as follows.

Tab/Button Name	Description/Use
	When you click on this menu to display the login page.
	When you click on this button Log in window will exit automatically.
	When you click on this menu display the admin dashboard.
	When you click on this menu to display the homepage of Hardware Equipment Management System.
	When you click on this menu to display the about page of Hardware Equipment Management System.
	When you click on this menu to display the products of Hardware Equipment Management System.
	When you click on this menu to display the product order form of Hardware Equipment Management System.
	When you click on this menu to display the supplier details of Hardware Equipment Management System.
	When you click on this menu to display the user details of Hardware Equipment Management System.

<b>Contact</b>	When you click on this menu to display the contact form.
<b>Feedback</b>	When you click on this menu to display the feedback form.
<b>Reports</b>	When you click on this menu to display the reports of Hardware Equipment Management System.
<b>Add Product</b>	After click on this button item is added in the products.
<b>View Details</b>	After click on this button then display the product details.
<b>Delete</b>	After click on this button then selected product is deleted.
<b>Update</b>	After click on this button then update the product details.
<b>Add Quantity</b>	After click on this button then add the quantity of product.
<b>Less Quantity</b>	After click on this button then less the quantity of product.
<b>Add to Cart</b>	After click on this button item is added in the cart.
<b>Checkout Now!</b>	After click on this button display the order form and checkout the shopping cart page.
<b>Buy Now!</b>	After click on this button then buy the products.

<b>View User</b>	After click on this button display the user report.
<b>View Stock</b>	After click on this button display the stock report.
<b>View Supplier</b>	After click on this button display the supplier report.
<b>View Sales</b>	After click on this button display the sales report.
<b>View Contact</b>	After click on this button display the contact report.
<b>View Feedback</b>	After click on this button display the feedback report.

# Chapter 6

## Source Code

**Source Code:****Homepage:**

```
<?php
session_start();
if (isset($_SESSION['username'])) {
$username = $_SESSION['username']; }
?>

<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Hardware Shop</title>
<link rel="stylesheet" href="Css/style.css" />
<link rel="stylesheet" href="Css/home.css" />
</head>
<body>
<? phpinclude("header.php"); ?>
<div class="homepage">
<div class="img"></div>
<div class="welcome">
<h1 id="wel"><b>welcome </b>
<p id="lorem"> Welcome to our shop, where you'll find the <br /> perfect blend of quality
and value.<br />
<br /> We are here to serve you and give you a better &<br /> reliable resources to make your
business an <br /> unforgettable brand.<br /></p> </div> </div>
<?php
include("footer.php");
?>
</body>
</html>
```

**Products:**

```
<?php
session_start();
if (isset($_SESSION['username'])) {
$username = $_SESSION['username'];}
?>

<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Hardware Shop</title>
<link rel="stylesheet" href="Css/style.css" />
<link rel="stylesheet" href="Css/prod.css" />
</head>
<body>
<?php include("header.php"); ?>
<div class="container">
<div class="heading">
<h1>Our Products</h1>
</div>
<div class="product-list">
<?php
include("config.php");
$sql = "SELECT id,product_name, price, product_image FROM products";
$result = $conn->query($sql);
if ($result->num_rows > 0) {
while($row = $result->fetch_assoc()) {
$productId = $row["id"];
$productName = $row["product_name"];
$price = $row["price"];
```



```
$product_image = $row["product_image"];
echo '<div class="product" data-price="' . $price . "'>';
echo '<div class="image">';
echo '';
echo '</div>';
echo '<div class="info">';
echo '<h3>' . $productName . '</h3>';
echo '<p>Rs. ' . $price . '</p>';
echo '</div>';

echo '<form action="controller/addToCart.php" method="post" onsubmit="addToCart(this);
return false;">';

echo '<input type="hidden" name="product_id" value="' . $productId . "'>';
echo '<input type="hidden" name="quantity" value="1">';
echo '<button type="submit" id="addToCartButton">Add to Cart</button>';
echo '</form>';

echo '<a href="singleProduct.php?id=' . $productId . '"><button>View Details</button></a>';
echo '</div>'; }
} else {
echo "0 results";
}
$conn->close();
?>

</div>

</div>

<?php include("footer.php"); ?>

</body>

</html>
```

# Chapter 7

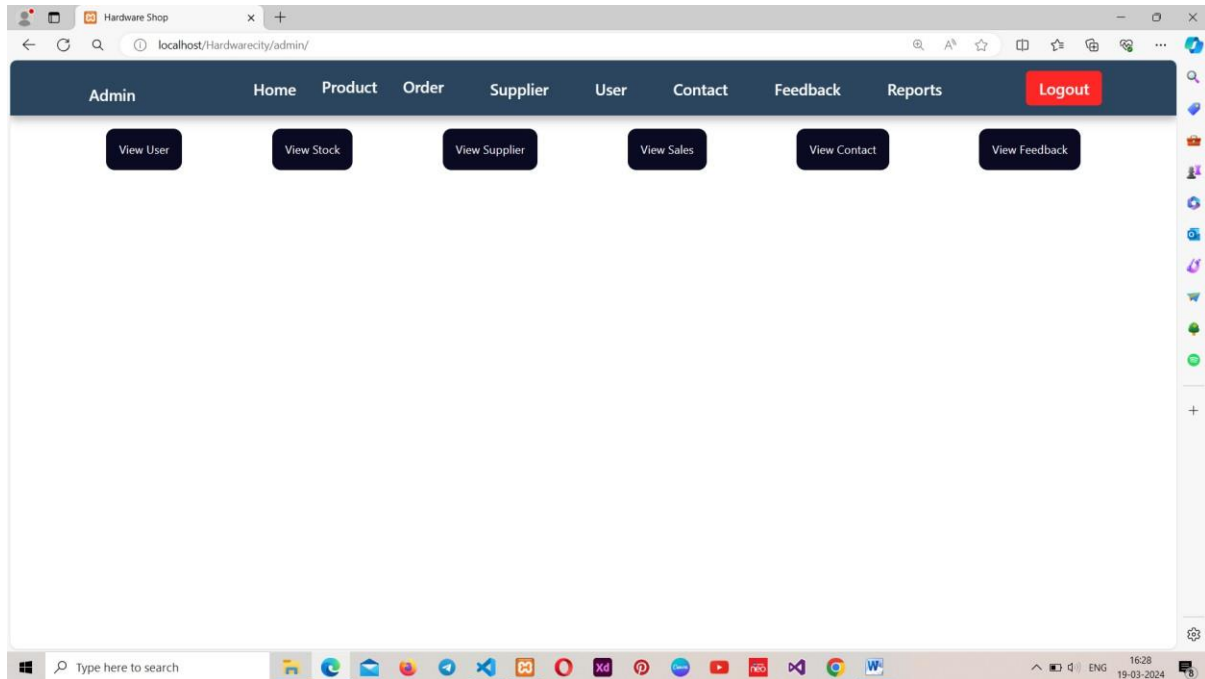
## Output

## Output

### 7.1 Input screen and reports

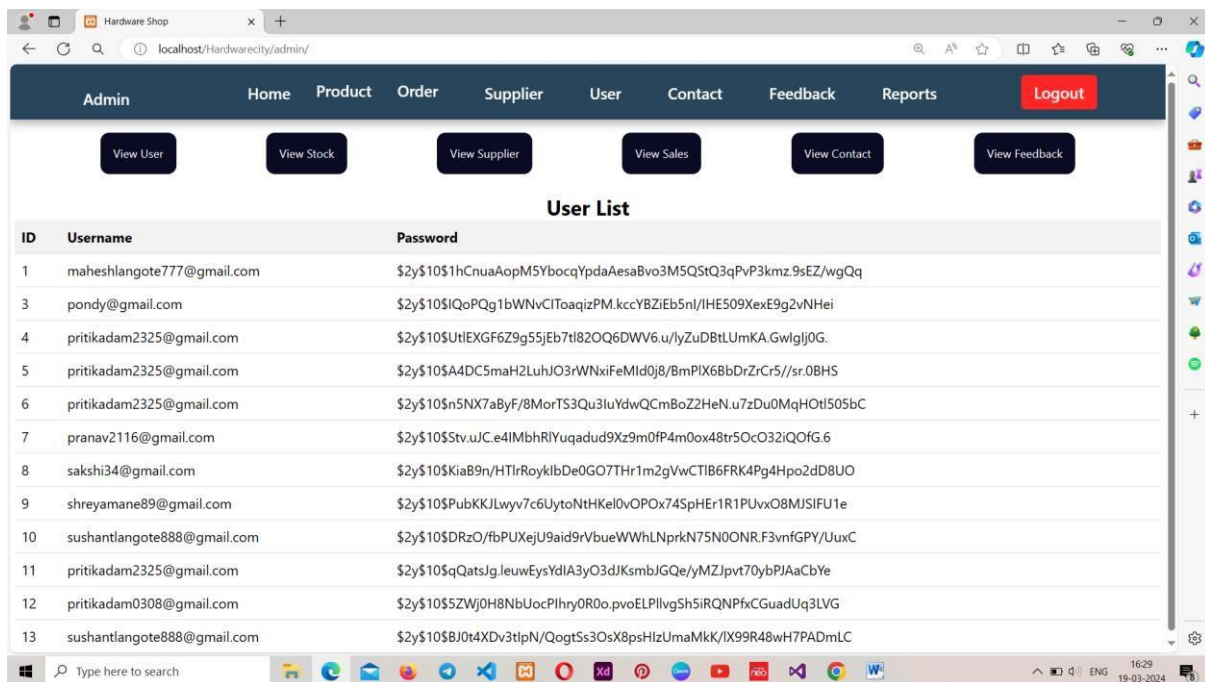
#### Report:

When click on the report button then display the all reports.



#### User:

When click on the user button then display the user report.



**Stock:**

When click on the stock button then display the stock report.

The screenshot shows the 'Product List' table in the 'Reports' section of the 'Hardware Shop' admin interface. The table lists various hardware items with their respective details.

ID	Product Name	Brand	Manufacturer	Supplier	Price	Category	Quantity	Warranty	Product Image
16	Wire	Finolex Cables	Starzone Pvt Ltd	Grand	299.00	Hardware Accessories	5	3 year	
17	Nut Bolts	All-In-One	Guru Locks & Hardware	Guru Locks & Hardware	199.00	Power Tools	20	10 years	
18	Pliers	Stanley	MVKT Tools	MVKT Tools	250.00	Hand Tools	6	5 years	
20	Measuring Tapes	Grand	Starzone Pvt Ltd	Grand	50.00	Building Materials	4	5 year	
21	Paints	Asian Paints	Panacol	Panacol	499.00	Building Materials	5	1 year	
22	Battery	MAENT	MVKT Tools	MVKT Tools	999.00	Power Tools	10	1 year	
23	Lamp	Jute	Starzone Pvt Ltd	Grand	1090.00	Power Tools	10	1 year	

**Supplier:**

When click on the supplier button then display the supplier report.

The screenshot shows the 'Supplier List' table in the 'Reports' section of the 'Hardware Shop' admin interface. The table lists suppliers and their associated products.

ID	Product Name	Brand	Manufacturer	Price	Category	Product Image	Created At
16	Wire	Finolex Cables	Starzone Pvt Ltd	299.00	Hardware Accessories		2024-03-04 23:49:52
20	Measuring Tapes	Grand	Starzone Pvt Ltd	50.00	Building Materials		2024-03-05 19:17:05
23	Lamp	Jute	Starzone Pvt Ltd	1090.00	Power Tools		2024-03-06 13:30:45
29	Bricklayer	All-In-One	Starzone Pvt Ltd	1119.00	Building Materials		2024-03-06 20:58:26

Supplier: Grand

ID	Product Name	Brand	Manufacturer	Price	Category	Product Image	Created At
17	Nut Bolts	All-In-One	Guru Locks & Hardware	199.00	Power Tools		2024-03-05 09:01:08
30	Gear	All-In-One	Guru Locks & Hardware	1449.00	Power Tools		2024-03-18 20:41:23

Supplier: Guru Locks & Hardware

**Sales:**

When click on the sales button then display the sales report.

The screenshot shows the 'Orders' report in the Hardware Shop Admin interface. The interface has a top navigation bar with links: Admin, Home, Product, Order, Supplier, User, Contact, Feedback, Reports, and a red Logout button. Below the navigation bar are buttons for View User, View Stock, View Supplier, View Sales, View Contact, and View Feedback. The main content area is titled 'Orders' and displays a table with the following data:

Product Photo	Product	User Email	Price	Address	Action
	Wire	pranav2116@gmail.com	299.00	, ZWE	<a href="#">View Details</a>
	Nut Bolts	maheshlangote777@gmail.com	398.00	416405, AFG	<a href="#">View Details</a>
	Nut Bolts	pritikadam2325@gmail.com	199.00	416405, AFG	<a href="#">View Details</a>
	Measuring Tapes	sakshi34@gmail.com	698.00	416410, AFG	<a href="#">View Details</a>
	Paints	pritikadam2325@gmail.com	499.00	416405, IND	<a href="#">View Details</a>
	Shower	sakshi34@gmail.com	4999.00	416405, IND	<a href="#">View Details</a>
	Bricklayer	sushantlangote888@gmail.com	1119.00	416405, IND	<a href="#">View Details</a>

**Contact:**

When click on the contact button then display the contact report.

The screenshot shows the 'Contact Form Submissions' report in the Hardware Shop Admin interface. The interface is identical to the previous one, but the main content area is titled 'Contact Form Submissions' and displays a table with the following data:

ID	Full Name	Phone Number	Email	Subject	Created At
1	Mahesh	7397970934	alpha@gmail.com	Order for products.	2024-02-29 22:28:42
2	Priti Kadam	9652417863	pritikadam0308@gmail.com	Delivery Time	2024-03-04 23:35:07
3	Sushant Langote	07447854512	sushantlangote888@gmail.com	Order for hand tools.	2024-03-08 15:22:34
4	Mahesh Langote	9645781263	maheshlangote779@gmail.com	Order for hardware accessories.	2024-03-18 20:43:28
5	Atharv Mane	983425589	atharvmane45@gmail.com	Product return.	2024-03-18 20:44:28
6	Sushant Langote	7447854512	sushantlangote888@gmail.com	Product is damage.	2024-03-18 20:44:51

**Feedback:**

**When click on the feedback button then display the feedback report.**

The screenshot displays the admin dashboard of the 'Hardware Shop' application. The top navigation bar includes links for Admin, Home, Product, Order, Supplier, User, Contact, Feedback, Reports, and a Logout button. Below the navigation bar, there are buttons for 'View User', 'View Stock', 'View Supplier', 'View Sales', 'View Contact', and 'View Feedback'. The 'View Feedback' button is highlighted, leading to the 'Feedback Form Submissions' table.

ID	Full Name	Phone Number	Email	Opinion	Created At
1	Priti Kadam	9652417863	priti000@gmail.com	Best quality products.	2024-03-05 00:16:12
2	Shreya Mane	09678521244	shreyamane89@gmail.com	Good Products.	2024-03-06 11:21:34
3	Sushant Langote	7447854512	sushantlangote888@gmail.com	Excellent	2024-03-06 21:00:54
4	Dip Gupta	708374768	dip234@gmail.com	Good Product and Excellent quality.	2024-03-07 11:08:19
5	Atharv Mane	983425589	atharvmane45@gmail.com	Best Quality Products.	2024-03-07 11:09:16
6	Viraj Kadam	7654327809	kadam3456@gmail.com	Excellent.	2024-03-07 11:10:30
7	Sakshi Kadam	9685741263	sakshi34@gmail.com	Nice quality.	2024-03-07 11:11:18

# Chapter 8

## Conclusion and Suggestion

## **Conclusion and Suggestions**

### **8.1 Conclusion and Suggestions**

The system was mainly designed to reduce the manual work for updating and make it easier for the user or admin of the application system. "Application for Hardware Equipment Management System" is useful for administrator to keep the records of Users, feedback, Sales, suppliers, stock, contact etc., Reports are One of the best advantages of Hardware Management System application development. It provides detail information at any time through all over the world. Due to this advantage, anyone can access information related to subject.

Additionally, having a user-friendly interface and the ability to generate reports will provide valuable insights for better decision-making.

### **8.2 Future Enhancement**

We will make up our corrections and try to develop more accurate for our application system.

- Implement online payment method.
- Product tracking system.
- Product replacement policy for defect products.
- We will try to make it more responsive.



# Chapter 9

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