**BUNTS SANGHA’S**

**S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE &**

**MANAGEMENT STUDIES, POWAI**

**-**

**400076**

Project Implementation

**Project**

**Title:**

**CoolIndia**

**CL**

**ASS: T.Y.B.Sc.I.T (20**

**20**

**-**

**21**

**)**

**SEMESTER:**

**Sem**

**-**

**VI**

**SUBMITTED BY**

**Name**

**:**

**Asher Mikhayel**

**ROLL NUMBER:**

**74 SEAT NUMBER:\_\_\_\_\_\_\_\_\_\_\_\_\_**

SUBMITTED TO

DEPARTMENT OF

**INFORMATION TECHNOLOGY**

***Nabila Kazi***

***Tushar Sambare***

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_**

**\_**

**\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Subject in charge**

**I**

**nternal Guide**

**Coordinator**

**For Partial Fulfillment for Degree of**

**Bachelor of Scie**

**nce**

**(**

***Information Technology***

**) 2020**

**-**

**20**

**21**



**CoolIndia**

**Submitted By:**

**Asher Mikhayel**

**Roll No : 74**

**Project Guide :**

**Nabila Kazi**

**ACKNOWLEDGMENT**

I would like to use this opportunity to convey my gratitude to Management of S.M.Shetty College of Science, Commerce and Management Studies for being generous for allowing me to pursue this project. I am very thankful to Dr. Sridhara Shetty, The Principal of S.M.Shetty College for his co-operation in this successful accomplishment of my project.

A special thanks to our project guide Mrs. Nabila Kazi and also our Co-ordinator Dr. Tushar Sambare for his most sincere efforts, support and encouraging contribution throughout the project.

I would like to express thank all our teachers, friends and my family for their support, encouragement and motivation.

**Asher Mikhayel**

**INDEX**

|  |  |  |
| --- | --- | --- |
| **Sr.No** | **Content** | **Page No** |
| **1.** | **Introduction** |  |
|  | 1.1 Background |  |
|  | 1.2 Objectives |  |
|  | 1.3 Purpose, Scope and Applicability |  |
| **2.** | **Survey of Technologies** |  |
|  | 2.1 Hardware Requirements |  |
|  | 2.2 Software Requirements |  |
|  | 2.3 Available Technologies |  |
|  | 2.4 Justification of Platform |  |
| **3.** | **Requirements and Analysis** |  |
|  | 3.1 Problem Definition |  |
|  | 3.2 Requirement Specification |  |
|  | 3.3 Planning and Scheduling |  |
|  | 3.4 Software and Hardware Requirements |  |
|  | 3.5 Conceptual Models |  |
| **4.** | **System Design** |  |
|  | 4.1 Basic Models |  |
|  | 4.2 Data Design |  |
|  | 4.3 Procedural Design |  |
|  | 4.4 User Interface Design |  |
|  | 4.5 Security Issues |  |
|  | 4.6 Test Case |  |
| **5.** | **Implementation and Testing** |  |
|  | 5.1 Source Code |  |
|  | 5.2 Code Efficiency |  |
|  | 5.3 Testing Approach |  |
|  | 5.3.1 Unit Testing |  |
|  | 5.3.2 Beta Testing |  |
|  | 5.3.3 Integration Testing |  |
|  | 5.4 Applications of the techniques in Project |  |
|  | 5.5 Test Case |  |
| **6.** | **Results and Discussion** |  |
|  | 6.1 Test Report |  |
|  | 6.2 Project Information |  |
|  | 6.3 Test Objective |  |
|  | 6.4 Test Summary |  |
| **7** | **Conclusion** |  |
|  | 7.1 Conclusion |  |
|  | 7.2 Limitations |  |
|  | 7.3 Future Scope |  |
|  | 7.4 Refrences |  |

**Chapter 1**

**Introduction**

An air conditioner is something which is very commonly found in any house and company and it is one of the most needed appliances in today’s date without which it is hard to survive the heat.

If we look back in the last 20 years a/c’s were not so common in India as it was not affordable by every person and only few people had knowledge about but as the years passed a/c’ advanced in every way possible and in todays era an air conditioner is very affordable.

At first there were only 2 types of A/c’s (window A/c, chiller plant) for any requirement , but today we have different type of A/c’s like split A/c, HVAC System, VRV system, Portable A/c and etc. which are made for specific requirements of the customer or an organization/company.

Today air conditioner has become eco-friendly and power efficient, they are very advanced and people and very much aware about A/c’s.

* 1. **Background**

Today we can control an air conditioner through our phone, we can start it from anywhere in the world with a single click. A/c’s are very common today and can be found everywhere.

But there are still many people who are not aware that today a/c’s are not expensive as they used to be. They have become more energy efficient as they consume less amount of electricity, they have become more environment friendly.

Today still many people go to shops to buy an air conditioner and they randomly buy an a/c which they like . An air conditioner has been made in different ways for different requirements but the customers are not very much aware about it and in future they face some problems.

Some of the common problems are high electricity bill, air conditioner not having the desired cooling and etc.

**1.2 Objective**

The main objective of this project is to help an A/c company with an e-commerce platform.

Some of the other objectives are:-

* To ease the sale of air conditioner and repair for the both the customer and manufacture.
* To make a user-friendly interface.
* To maximize profit by providing services online.
* Create more employment for delivering purposes
* To globalize the business
  1. **Scope, Purpose and Applicability**
     1. **Scope**
* This concept can be implemented by any shops or any branded enterprise.
* Through this online platform purchases and service can be booked 24 x 7.
* Customer can view multiple products by just sitting at home.
* Faster payment mode through online payment.
  + 1. **Purpose**
* For better management of customers and ease of sale.
* Faster and hassle-free E-payment.
* To create more sales and profit for the business.
* To offer more employment.
* To keep a track on sales made.
  + 1. **Applicability**
* The main applicability is to make more profit through globalization of the company.
* To ease the business.
* Marketing for the company so that more customers can buy from the company.
* E-retailing is the selling of products/goods from Seller-to-Consumer through electronic stores that are designed using the electronic catalog and shopping cart model.

**Chapter 2**

**Survey of Technologies**

**2.1 Hardware Requirements**

* Computer Processor : i5 or above processor.
* Hard Disk : 50GB (minimum).
* Ram : 4 GB or above.

**2.2 Software Requirements**

**2.2.1 Front End**

* HTML.
* CSS.
* Java.

**2.2.2 Back End**

* Microsoft SQL Server (MySQL).
* Java.

**2.3 Available Technologies**

* **HTML**

Hyper Text Markup Language (HTML). HTML is a computer language which is devised to allow creation of website. These websites can be seen by anyone who is connected to the internet. It is relatively easy to learn HTML, with the basics being accessible to most of the people in one sitting and can be quite powerful with what it allows you to create.

* **CSS**

Cascading Style Sheets (CSS) is a style sheet language which is used for describing the presentation of a document written in a mark-up language like HTML. CSS is designed to enable the separation of presentation and content, including layout, colour and fonts. CSS also has rules for alternate formatting if the content is accessed on a mobile device.

* **Java**

Java was created by the SUN MICROSYSTEMS in the year 1995. James Gosling is known as the dad of Java. Java is a programming language, Java is significant level language, powerful, object and secure programming language. Before Java its name was Oak. since oak was at that point enlisted organization, so the group had the name changed from Oak to Java

* **MySQL**

MySQL is a freely available open-source RDBMS (Relational Database Management System) that uses Structured Query Language (SQL). SQL is the most used language for adding, accessing and management of content in a database. It is most popular for its quick processing, reliability, flexibility and ease of use.

**2.4 Justification of Platform**

**2.4.1 HTML**

HTML is a markup language, utilized for making site pages and web applications. At the point when HTML is joined with JavaScript and CSS, it has become a tremendous accomplishment for web advancement. One of the parts of HTML is, that it very well may be install various projects wrote in a scripting language like JavaScript. HTML can be utilized to characterize joins, headers, pictures and so forth so the program will realize how to make and structure the site page.

* HTML code makes sure proper formatting of images and texts for your internet browser, without which the browser would not know how to load the images or display the text.
* HTML code provides the basic structure of the web page, using which CSS are used to style and change the appearance of the web page.

**2.4.2 Java**

Java is a programming language, Java is significant level language, strong, object and secure programming language According to the Sun,3 billion gadgets run java. There are numerous gadgets where java-based web application and site pages is at present utilized. Some of them are as per the following. PC application, for example, trapeze artist peruses, media player, antivirus, and so forth Web application, for example, Irctc.co.in, and so forth Venture applications, for example, banking applications

* Mobile
* Embedded Systems
* Robotics
* Games etc.

**2.4.3 CSS**

Cascading Style Sheets (CSS) is a template language which is utilized for explaining the introduction of a report wrote in an increase language like HTML. CSS is intended to empower the partition of introduction and substance, including design, shading and textual styles.

Separation of planning and substance furthermore makes it versatile to present the Same increment page in different styles for different conveying techniques, for instance, on-screen, on paper, by voice, and on Braille-based material contraptions CSS in like manner has rules for substitute getting sorted out if the substance is gotten to on a PDA.

This partition can improve content getting to, give greater adaptability and control in the detail of introduction qualities, empower different pages to share designing by indicating the applicable CSS in a different .CSS document, and diminish intricacy and redundancy in the auxiliary substance.

**2.4.4 MySQL**

MySQL is anything but difficult to-utilize RDBMS being utilized for some little and large organizations. MySQL is created and advertised by MySQL AB, which is a Swedish organization.

* MySQL is delivered under an open-source permit. Thus, it's totally allowed to use for the developers
* MySQL can be utilized with various working frameworks and with various dialects which comprise of PHP, PERL, C, C++, JAVA.
* MySQL is an exceptionally amazing programming all alone.
* MySQL is adaptable. The open-source permit permits developers to adjust the MySQL programming to accommodate their own particular requirements.
* MySQL works rapidly and functions admirably even with immense informational collection.

**Chapter 3**

**Requirement and Analysis**

**3.1 Problem Definition**

These days online shopping has become the new way of purchasing an Air Conditioner. This has become a problem for the regular shops as they are losing the customer towards online shopping as it more convenient and effortless as of regular shops.

As the customer now has access to effortless shopping experience and saving time and expenses for travelling to a regular shop. So, to improve their business and give the customer time saving and easy shopping experience through an online portal so that the customer has no need of getting out of the house to buy an A/c.

As now he can order one just by sitting at home according to his requirement and needs and later which will be delivered to his home. The online shopping portal will also have an online payment option for the customers. Due to this the shop will now have an increased number of customers globally.

**3.2 Requirement Specification**

**3.2.1 Proposed System**

In the proposed system customer need to go to the online shopping portal i.e., CoolIndia for buying the Air conditioner/services which the customer wants. He can easily buy the Air conditioner he wishes to buy through smartphone or laptop by sitting anywhere in the world, only the main concern is that the customer should have access to internet.

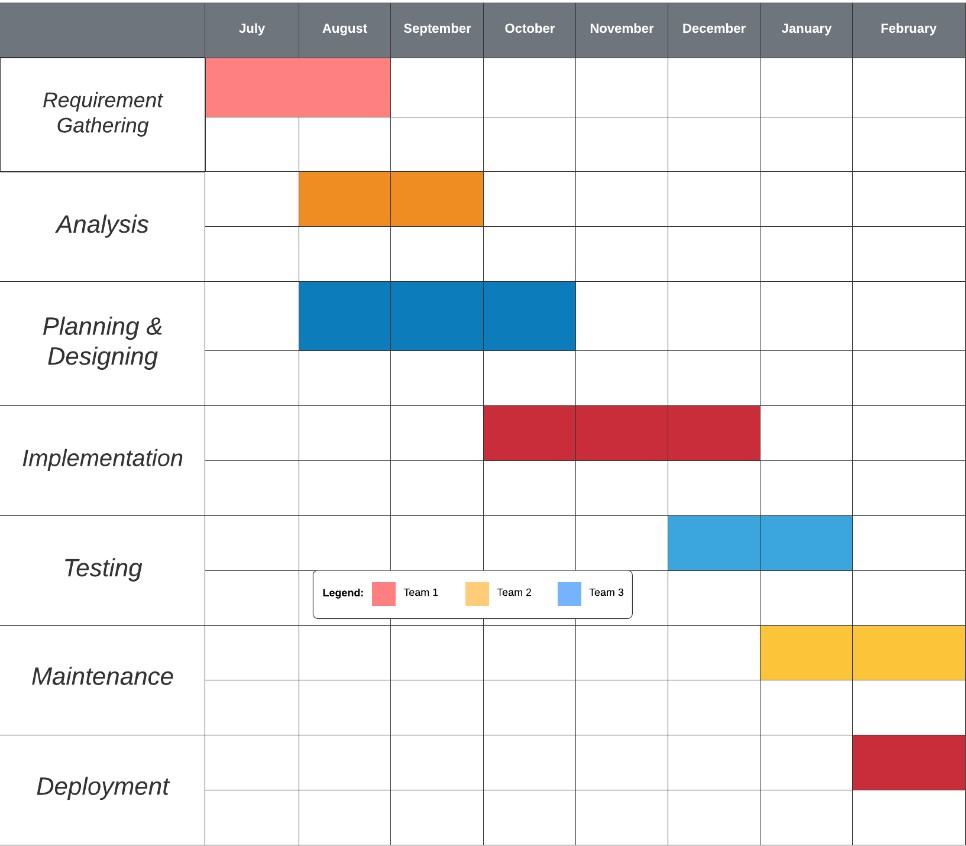
The shop owner is the admin of the system. Shop owner can appoint moderators who will help the owner in managing the customers and the orders of the product. The system also recommends a home delivery system for the purchased products in which the payment can be made through the online payment option or through COD (cash on delivery).

The new proposed system has a 24/7 customer care services through which customer Query can be solved and through which only the return policy can be implied. The proposed system is compatible with any type of the devices such as laptop, phones, tablets, personal computer, mac iOS devices.

**3.3 Planning and Scheduling**

**3.3.1 Gantt Chart**

A Gantt chart, is a bar chart that represents a project schedule the main purpose is to show the commencing time and end time of the different tasks carried out during the project development. It can be used to show the ongoing planning status of a project. They help to plan out tasks that are to be completed in time. This chart offers many useful tools which help in planning and analysing of big and complex projects. It helps you to find a complex route of a project when you must complete it on a decided date.



**3.4 Software and Hardware Requirements**

**3.4.1 Software Requirements**

* Operating Systems : Windows
* Front End : HTML, CSS and JAVA
* Back End : MySQL and JAVA

**3.4.2 Hardware Requirements**

* Processor : i5
* Ram : 2 GB (minimum)
* Hard disk : 250GB (minimum)
* Cache Memory

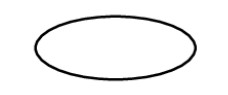
**3.5 Conceptual Diagrams**

**3.5.1 Use Case Diagram**

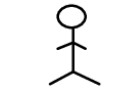
A use case diagram is used to show the process carried out by the system when in response to the request from the user of the system. A use case is a situation in which the system must accomplish the goals of the user using the system. The parameters used in the use case diagrams are as follows.

* Use case
* Actor
* Relation

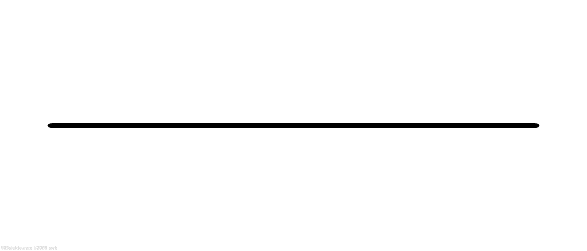
1. **Use case :** It is used to show the functionality of the system which is activated by the user which is the actor. Use case is represented in an oval shape and use case is wrote inside the oval shape, the description is wrote depending on the process carried out by the system

****

1. **Actor :** The user who is using the system becomes the actor. It is represented using a stick diagram of a person. The person who uses the system to activate its function is the actor. It is not necessary that a person only activates the systems function, an external system can also activate the functions of a system. As we know not in a case of online e-commerce website.

****

1. **Relation :**  It is used to show the connection between the use case and the actor who is using the function of the use case. It is normally use as a line to show the connection between the actor and the use case.

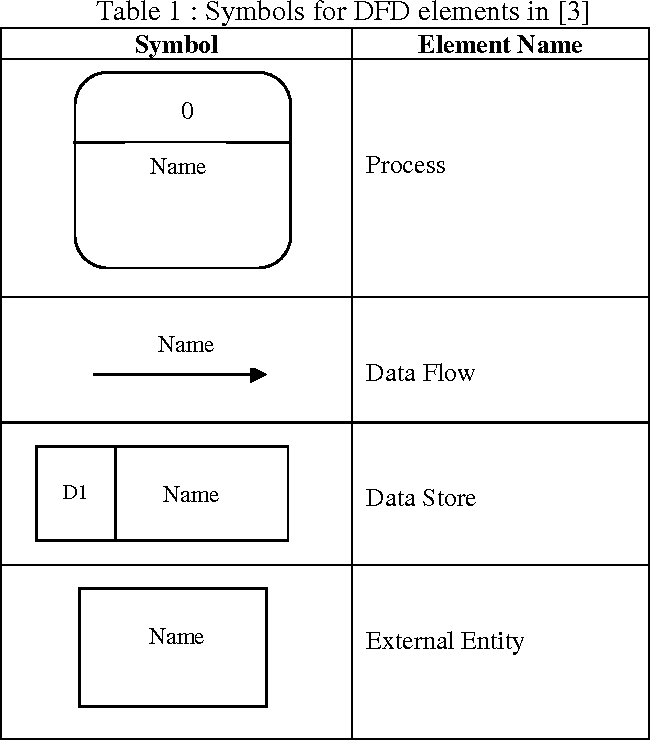
****

**Use Case Diagram for CoolIndia**

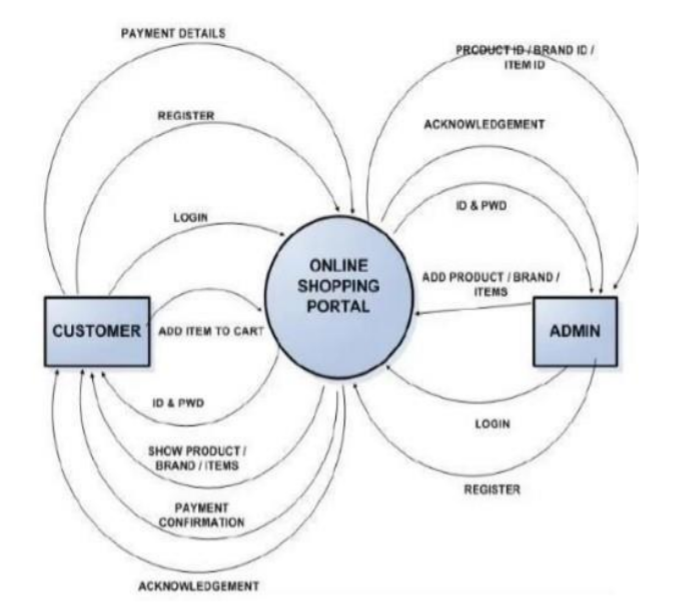
****

* + 1. **Data Flow Diagram**

Also known as DFD, Data flow diagrams are used to graphically represent the flow of data in a business information system. DFD describes the processes that are involved in a system to transfer data from the input to the file storage and reports generation. This network is usually constructed by the set of the symbols which does not imply any physical implementation. The main purpose of the data flow diagram is the identifying the system requirements. One of the main things to be considered in the data flow diagram is the data flow how the data is travelling within the system. The data flow shows the flow of the information or data form the source to the destination in the system

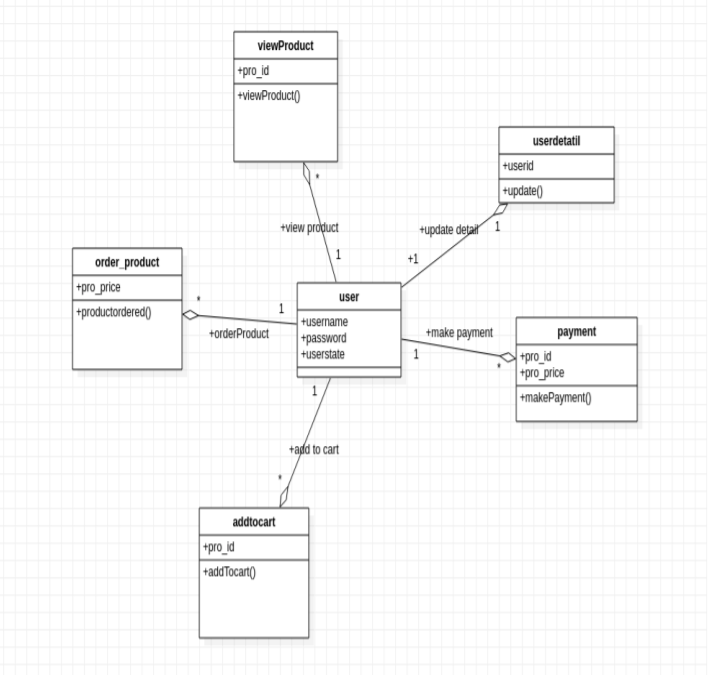


**DFD Diagram for CoolIndia**

****

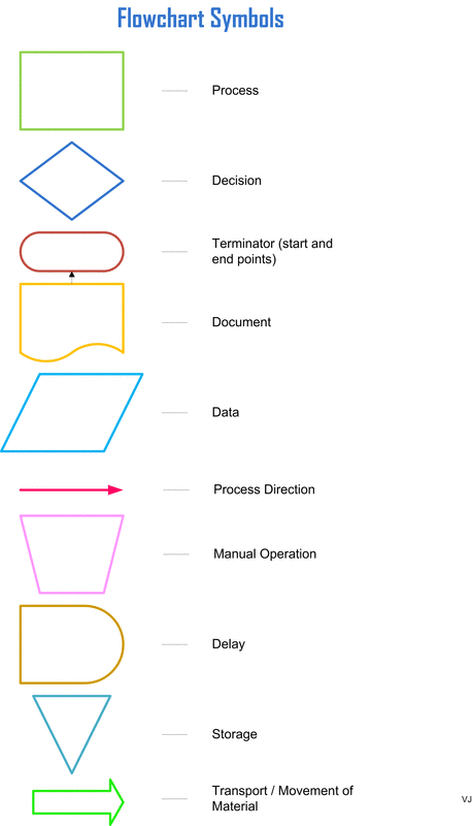
* + 1. **Class Diagram**

Class Diagram is considered as the one of primary structure blocks in object-arranged displaying. The fundamental target of the class chart is the overall calculated demonstrating of the efficient of the application, and for the nitty gritty displaying which makes an interpretation of the model into programming code. The class chart is commonly used to recognize the articles which establish a framework. The class chart additionally incorporates the characteristics of the items which must be caught and the lines associating the square shapes shows the relationship among the classes.

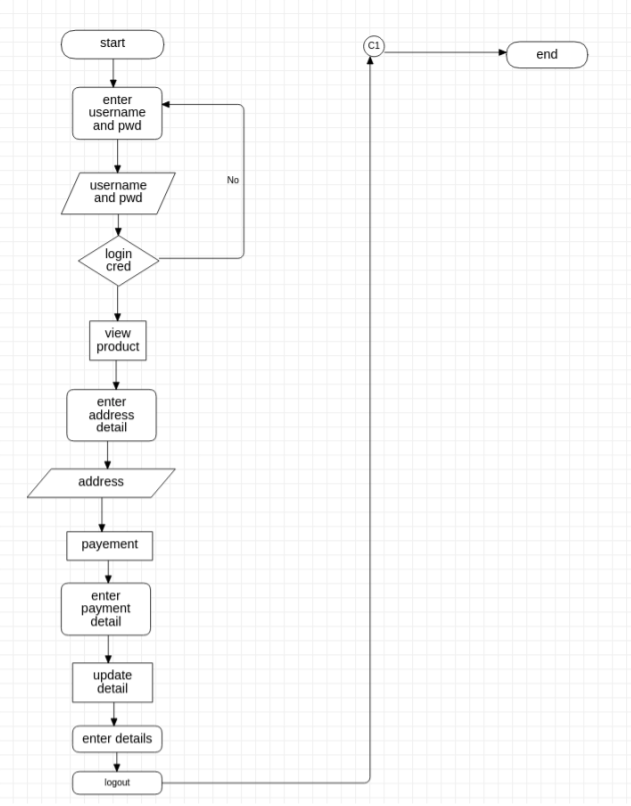


* + 1. **Flow Chart**

A flowchart is a graphical portrayal of steps. It shows steps in successive request and is essentially utilized in introducing the progression of calculations, work process or cycles. Ordinarily, a flowchart shows the means as boxes of different kind, and their request by associating them with bolts. A flowchart is a diagram which indicates the activity, computer or the system algorithm. Flowchart is used in the multiple areas to documents widely, Study, Strategy, improve and communicate complex procedure in clear easy to understand the diagram. Flowcharts spelled as the flowcharts because it occasionally uses of the rectangles, oval shape, diamonds, and various others shapes to define the kinds of step potentially, along with connecting arrows to show the sequence and the flow.

****

**Flow Chart Diagram for CoolIndia**

****

* + 1. **ER Diagram**

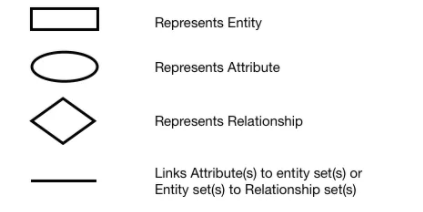
An ER diagram shows the information system in graphical format that shows the relationship between people, objects, concepts or events in that system. An ER Diagram is a method used to t=model the data that can help define business system and can also be used as the foundation for relational database.

There are 4 types of relationships in ER Diagram :

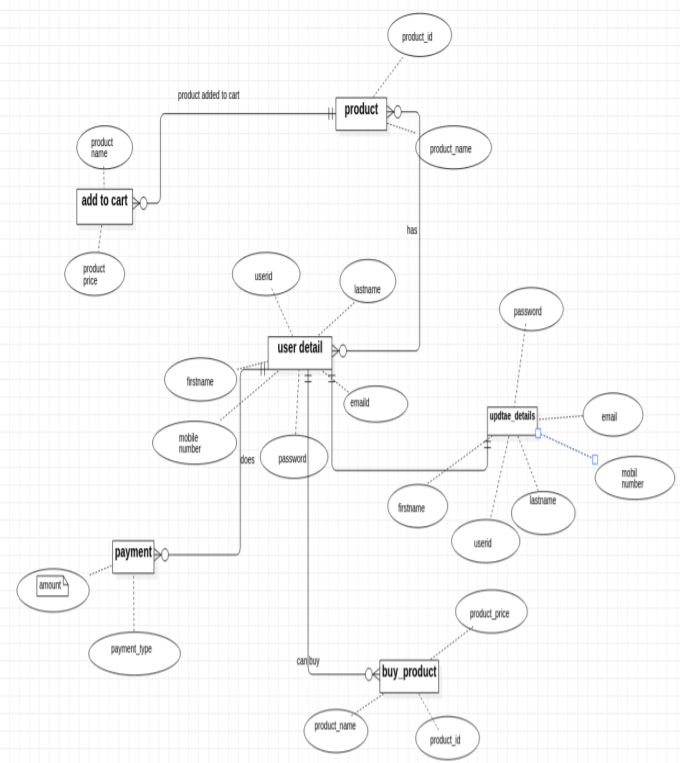
* One to One
* One to Many
* Many to one
* Many to Many

Elements used in ERD are as follows :

* Entities
* Relationships
* Attributes
* Line



**ER Diagram for CoolIndia**



**Chapter 4**

**System Design**

**4.1 Basic Modules**

System Design is the strategy for the formation of the new system. This stage centres around the detailed implementation of the achievable framework. Its accentuation on interpreting plan. Particulars to execution determination. Framework configuration has a different phase of development.

During the cycle of the rationale configuration stage the examiner depicts the input(sources), yield (destination), Data (Data injuries) and methods (Data Flows) all in an organization that meet the client prerequisites. The expert likewise determines the requirements of the client that for all intents and purposes decides the data stream all through the framework and the information assets.

Here the rationale configuration is done through the information stream charts and the information base plan. The physical configuration is trailed by the actual plan or coding. Actual plan creates the working by characterizing the plan details, which indicate precisely the applicant framework must do. The developers compose the essential the projects that acknowledge the contribution from the client, performs important handling on the acknowledged information and produce the necessary report on the printed copy or the showcase it on the screen.

**4.2 Data Design**

A Database is a sort of the framework which is planned to put together, store, and recover the large amounts of the information without any problem. It comprises of a coordinated assortment of the at least one uses typically in the computerized design.

Database plan is the cycle of the creating a definite model of the data set. This coherent information model contains all the required physical and the sensible plan decisions additionally the actual stockpiling boundaries expected to produce a plan in a Data Definition Language which can then use to make a data set.

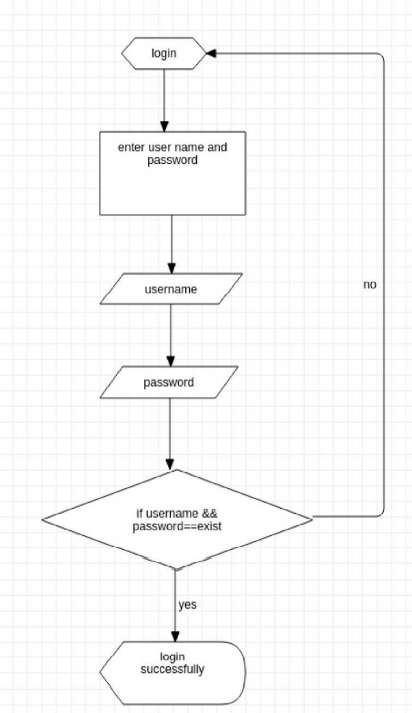
A completely credited information model is the sort of the model wherein it contains all the point by point ascribes for every entity. Data configuration is the principal plan action in which results is less unpredictable, measured and the productive program structure.

**4.2.1 Data Integrity and Constraints**

|  |  |  |  |
| --- | --- | --- | --- |
| User | Datatype | Constraints | Size |
| Cust Fname | Varchar | NotNull | 50 |
| Cust Lname | Varchar | NotNull | 50 |
| Cust Email Id | Varchar | NotNull | 50 |
| Cust Password | Varchar | NotNull | 50 |
| Cust Mobile No | Varchar | NotNull | 10 |

**4.3 Procedural Design**

**4.3.1 Control Flow System**

****

**4.3.2 Algorithm Design**

Logging into the system (admin/user)

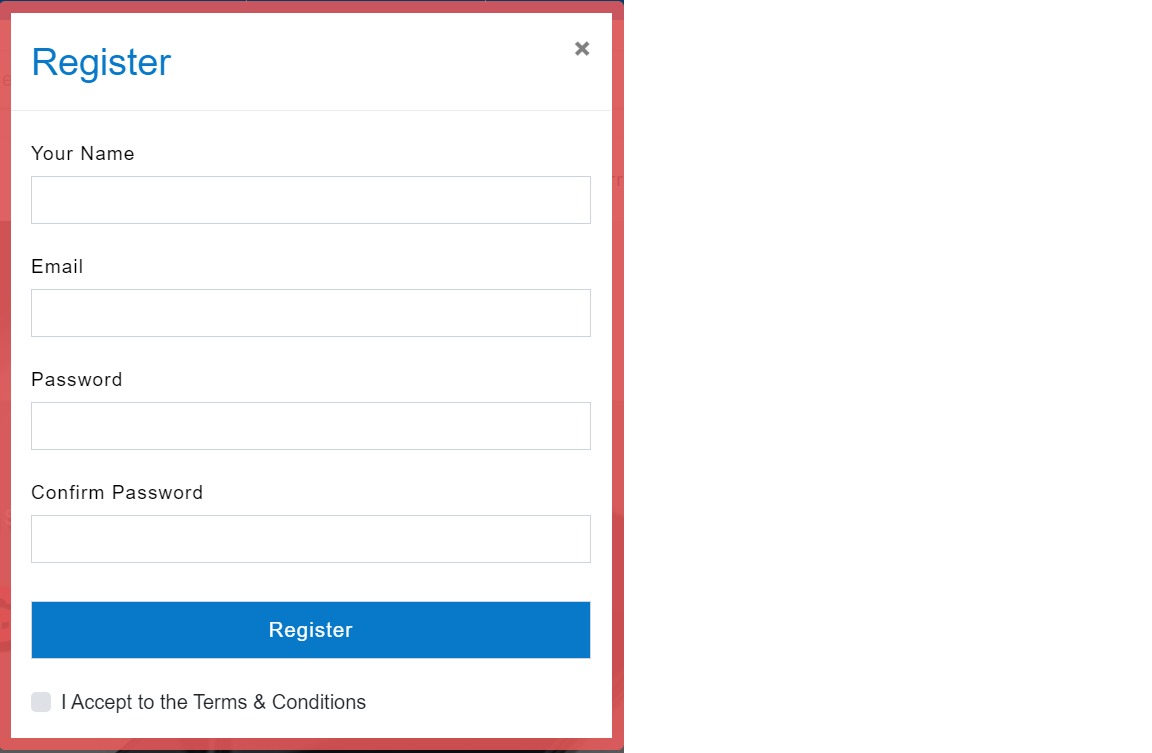
* Start-Up system.
* Enter the Username and the password.
* If not registered do the Registering Process.
* If existing user just click the login button.
* Connect to a Database.
* Add product.
* Add or edit the product in the Cart.
* Proceed to Checkout.

If Correct :

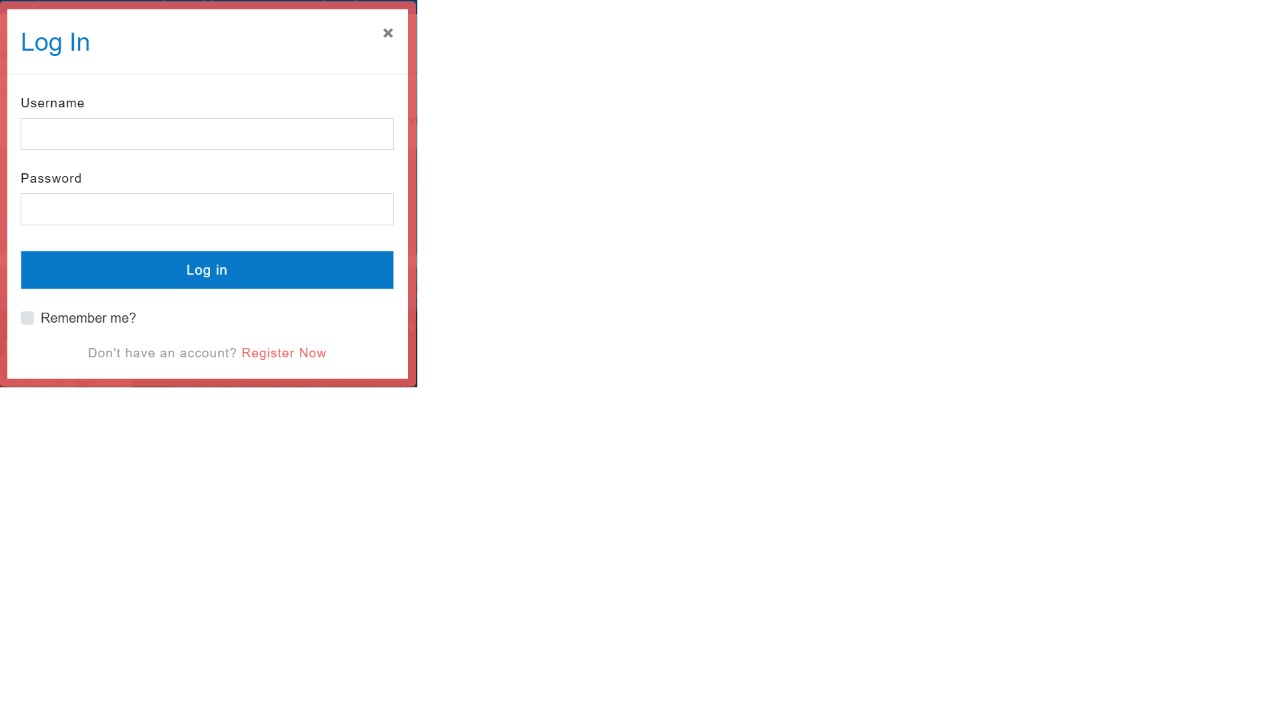
* Enter Billing Address
* Using Billing Address as the Shipping Address.
* Save and Confirm Order
* Complete Order

**4.4 User Interface Design**

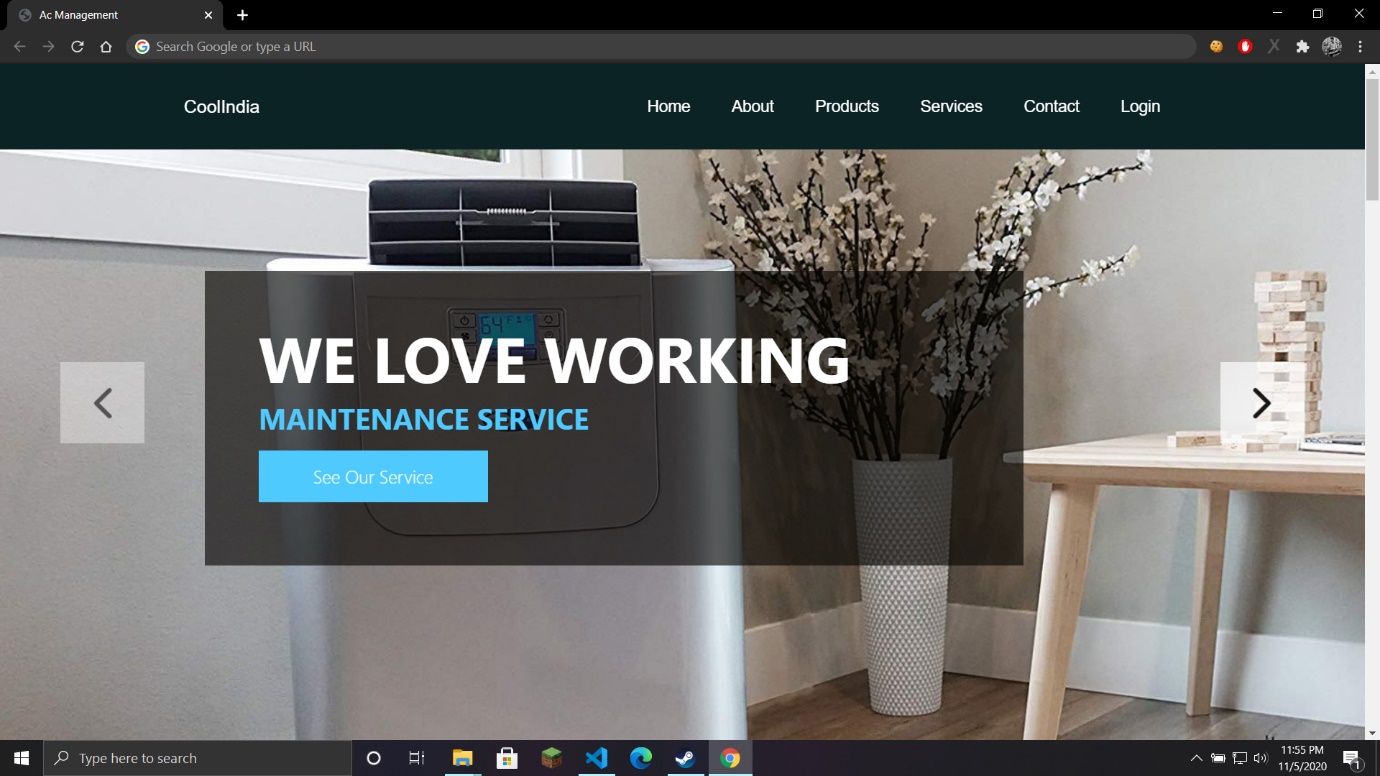
**Register User Page :**



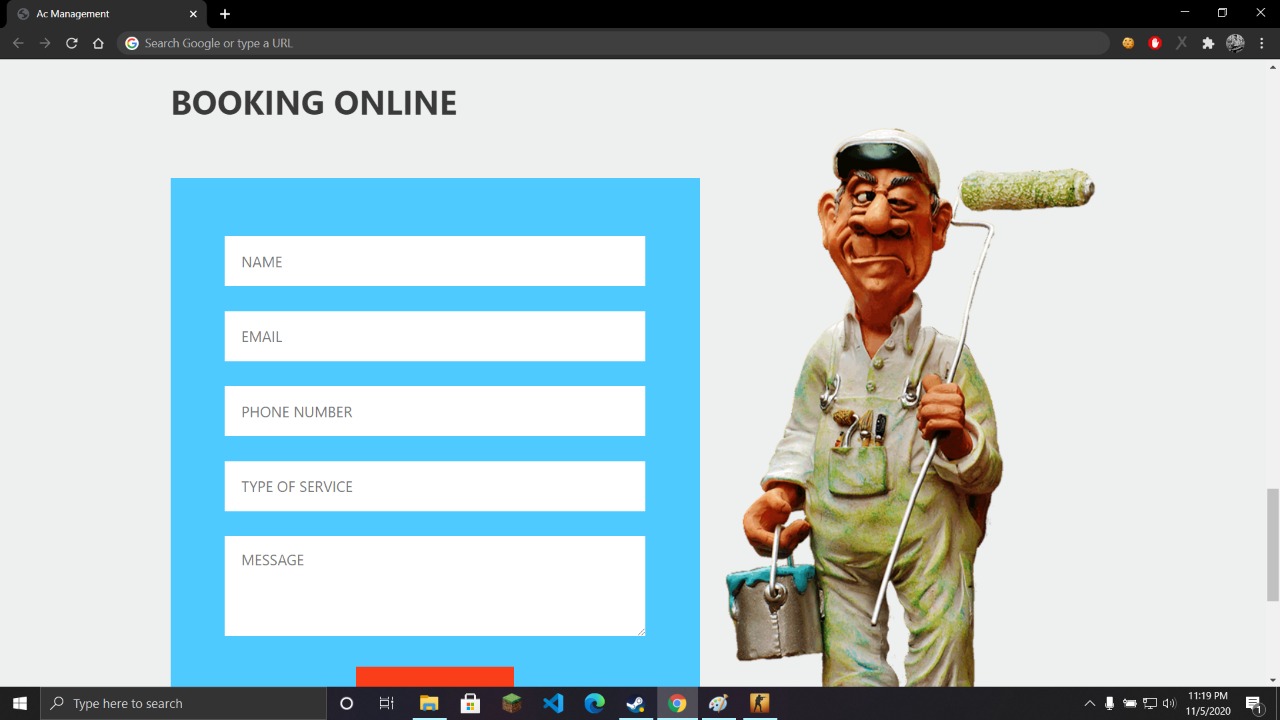
**Login page user :**



**Home Page :**

****

**Service Booking Page:**

****

**4.5 Security Issues**

* Credit card misrepresentation is the most well-known security danger that online retailers face. It happens when a programmer increases unapproved admittance to clients individual and instalment data. To get to the information, the programmer may enter the data set of an internet business webpage utilizing malignant programming programs.
* As programmers are getting more astute with innovation, they are conceiving methods of tuning in to the interchanges made by clients of an online business site. Through a methodology known as a man-in-the-centre assault, these programmers malevolently stunt clients into associating with a public remote organization. They access individuals' gadgets once they are on open remote organization.

**4.6 Test Case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case ID | Test Scenario | Test Steps | Test Steps | Excepted |
| TC1 | Check Login of User/ Admin | Enter Username and Password | Username=ashermikhayel and Password=2AA@NU68 | User Must be logged into the system |

**Chapter 5**

**Implementation and Testing**

**5.1 Source Code**

<nav class="navbar navbar-inverse navabar-fixed-top">

<div class="container">

<div class="navbar-header">

<button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">

<span class="icon-bar"></span>

<span class="icon-bar"></span>

<span class="icon-bar"></span>

</button>

<a href="index.php" class="navbar-brand">ACworlds Store</a>

</div>

<div class="collapse navbar-collapse" id="myNavbar">

<ul class="nav navbar-nav navbar-right">

<?php

if(isset($\_SESSION['email'])){

?>

<li><a href="cart.php"><span class="glyphicon glyphicon-shopping-cart"></span> Cart</a></li>

<li><a href="settings.php"><span class="glyphicon glyphicon-cog"></span> Settings</a></li>

<li><a href="logout.php"><span class="glyphicon glyphicon-log-out"></span> Logout</a></li>

<?php

}else{

?>

<li><a href="signup.php"><span class="glyphicon glyphicon-user"></span> Sign Up</a></li>

<li><a href="login.php"><span class="glyphicon glyphicon-log-in"></span> Login</a></li>

<?php

}

?>

</ul>

</div>

</div>

</nav>

<nav class="navbar navbar-inverse navabar-fixed-top">

<div class="container">

<div class="navbar-header">

<button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">

<span class="icon-bar"></span>

<span class="icon-bar"></span>

<span class="icon-bar"></span>

</button>

<a href="index.php" class="navbar-brand">ACworlds Store</a>

</div>

<div class="collapse navbar-collapse" id="myNavbar">

<ul class="nav navbar-nav navbar-right">

<li><a href="cart.php"><span class="glyphicon glyphicon-shopping-cart"></span> Cart</a></li>

<li><a href="settings.php"><span class="glyphicon glyphicon-cog"></span> Settings</a></li>

<li><a href="logout.php"><span class="glyphicon glyphicon-log-out"></span> Logout</a></li>

</ul>

</div>

</div>

</nav>

<?php

session\_start();

?>

<!DOCTYPE html>

<html>

<head>

<link rel="shortcut icon" href="img/lifestyleStore.png" />

<title>ACworlds Store</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<!-- latest compiled and minified CSS -->

<link rel="stylesheet" href="bootstrap/css/bootstrap.min.css" type="text/css">

<!-- jquery library -->

<script type="text/javascript" src="bootstrap/js/jquery-3.2.1.min.js"></script>

<!-- Latest compiled and minified javascript -->

<script type="text/javascript" src="bootstrap/js/bootstrap.min.js"></script>

<!-- External CSS -->

<link rel="stylesheet" href="css/style.css" type="text/css">

</head>

<body>

<div>

<?php

require 'header.php';

?>

<div id="bannerImage">

<div class="container">

<center>

<div id="bannerContent">

<h1>We sell .</h1>

<p>Flat 40% OFF on all AC.</p>

<a href="products.php" class="btn btn-danger">Shop Now</a>

</div>

</center>

</div>

</div>

<div class="container">

<div class="row">

<div class="col-xs-4">

<div class="thumbnail">

<a href="products.php">

<img src="img/Condenser-Masked.png" alt="Camera">

</a>

<center>

<div class="caption">

<p id="autoResize">Central Air Conditioner</p>

<p>Choose among the best available in the world.</p>

</div>

</center>

</div>

</div>

<div class="col-xs-4">

<div class="thumbnail">

<a href="products.php">

<img src="img/Mitsubishi-MUZ-FH.jpg" alt="Watch">

</a>

<center>

<div class="caption">

<p id="autoResize">Ductless Mini-Split</p>

<p>Original from the best brands.</p>

</div>

</center>

</div>

</div>

<div class="col-xs-4">

<div class="thumbnail">

<a href="products.php">

<img src="img/image.jfif" alt="Shirt">

</a>

<center>

<div class="caption">

<p id="autoResize">Window Air Conditioner</p>

<p>Our exquisite collection of Window AC.</p>

</div>

</center>

</div>

</div>

</div>

</div>

<br><br> <br><br><br><br>

<footer class="footer">

<div class="container">

<center>

<p> All Rights Reserved.</p>

<p>This website is developed by Asher</p>

</center>

</div>

</footer>

</div>

</body>

</html>

<?php

require 'connection.php';

session\_start();

?>

<!DOCTYPE html>

<html>

<head>

<link rel="shortcut icon" href="img/lifestyleStore.png" />

<title>Projectworlds Store</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<!-- latest compiled and minified CSS -->

<link rel="stylesheet" href="bootstrap/css/bootstrap.min.css" type="text/css">

<!-- jquery library -->

<script type="text/javascript" src="bootstrap/js/jquery-3.2.1.min.js"></script>

<!-- Latest compiled and minified javascript -->

<script type="text/javascript" src="bootstrap/js/bootstrap.min.js"></script>

<!-- External CSS -->

<link rel="stylesheet" href="css/style.css" type="text/css">

</head>

<body>

<div>

<?php

require 'header.php';

?>

<br><br><br>

<div class="container">

<div class="row">

<div class="col-xs-6 col-xs-offset-3">

<div class="panel panel-primary">

<div class="panel-heading">

<h3>LOGIN</h3>

</div>

<div class="panel-body">

<p>Login to make a purchase.</p>

<form method="post" action="login\_submit.php">

<div class="form-group">

<input type="email" class="form-control" name="email" placeholder="Email" pattern="[a-z0-9.\_%+-]+@[a-z0-9.-]+\.[a-z]{2,3}$">

</div>

<div class="form-group">

<input type="password" class="form-control" name="password" placeholder="Password(min. 6 characters)" pattern=".{6,}">

</div>

<div class="form-group">

<input type="submit" value="Login" class="btn btn-primary">

</div>

</form>

</div>

<div class="panel-footer">Don't have an account yet? <a href="signup.php">Register</a></div>

</div>

</div>

</div>

</div>

<br><br><br><br><br>

<footer class="footer">

<div class="container">

<center>

<p>Copyright &copy <a href="https://projectworlds.in">Projectworlds</a> Store. All Rights Reserved.</p>

<p>This website is developed by Yugesh Verma</p>

</center>

</div>

</footer>

</div>

</body>

</html>

<?php

require 'connection.php';

session\_start();

$email=mysqli\_real\_escape\_string($con,$\_POST['email']);

$regex\_email="/^[\_a-z0-9-]+(\.[\_a-z0-9-]+)\*@[a-z0-9-]+(\.[\_a-z0-9-]+)\*(\.[a-z]{2,3})$/";

if(!preg\_match($regex\_email,$email)){

echo "Incorrect email. Redirecting you back to login page...";

?>

<meta http-equiv="refresh" content="2;url=login.php" />

<?php

}

$password=md5(md5(mysqli\_real\_escape\_string($con,$\_POST['password'])));

if(strlen($password)<6){

echo "Password should have atleast 6 characters. Redirecting you back to login page...";

?>

<meta http-equiv="refresh" content="2;url=login.php" />

<?php

}

$user\_authentication\_query="select id,email from users where email='$email' and password='$password'";

$user\_authentication\_result=mysqli\_query($con,$user\_authentication\_query) or die(mysqli\_error($con));

$rows\_fetched=mysqli\_num\_rows($user\_authentication\_result);

if($rows\_fetched==0){

//no user

//redirecting to same login page

?>

<script>

window.alert("Wrong username or password");

</script>

<meta http-equiv="refresh" content="1;url=login.php" />

<?php

//header('location: login');

//echo "Wrong email or password.";

}else{

$row=mysqli\_fetch\_array($user\_authentication\_result);

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

$\_SESSION['id']=$row['id']; //user id

header('location: products.php');

}

?>

<?php

session\_start();

session\_unset();

session\_destroy();

?>

<!DOCTYPE html>

<html>

<head>

<link rel="shortcut icon" href="img/lifestyleStore.png" />

<title>Projectworlds Store</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<!-- latest compiled and minified CSS -->

<link rel="stylesheet" href="bootstrap/css/bootstrap.min.css" type="text/css">

<!-- jquery library -->

<script type="text/javascript" src="bootstrap/js/jquery-3.2.1.min.js"></script>

<!-- Latest compiled and minified javascript -->

<script type="text/javascript" src="bootstrap/js/bootstrap.min.js"></script>

<!-- External CSS -->

<link rel="stylesheet" href="css/style.css" type="text/css">

</head>

<body>

<div>

<?php

require 'header.php';

?>

<br>

<div class="container">

<div class="row">

<div class="col-xs-6">

<div class="panel panel-primary">

<div class="panel-heading"></div>

<div class="panel-body">

<p>You have been logged out. <a href="login.php">Login again.</a></p>

</div>

</div>

</div>

</div>

</div>

<footer class="footer">

<div class="container">

<center>

<p>Copyright &copy <a href="https://projectworlds.in">Projectworlds</a> Store. All Rights Reserved.</p>

<p>This website is developed by Yugesh Verma</p>

</center>

</div>

</footer>

</div>

</body>

</html>

<?php

session\_start();

require 'check\_if\_added.php';

?>

<!DOCTYPE html>

<html>

<head>

<link rel="shortcut icon" href="img/lifestyleStore.png" />

<title>ACworlds Store</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<!-- latest compiled and minified CSS -->

<link rel="stylesheet" href="bootstrap/css/bootstrap.min.css" type="text/css">

<!-- jquery library -->

<script type="text/javascript" src="bootstrap/js/jquery-3.2.1.min.js"></script>

<!-- Latest compiled and minified javascript -->

<script type="text/javascript" src="bootstrap/js/bootstrap.min.js"></script>

<!-- External CSS -->

<link rel="stylesheet" href="css/style.css" type="text/css">

</head>

<body>

<div>

<?php

require 'header.php';

?>

<div class="container">

<div class="jumbotron">

<h1>Welcome to our ACworlds Store!</h1>

<p>We have the best AC Units for you. No need to hunt around, we have all in one place.</p>

</div>

</div>

<div class="container">

<div class="row">

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/Condenser-Masked.png" alt="Cannon">

</a>

<center>

<div class="caption">

<h3>Blue Star </h3>

<p>Price: Rs. 36000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(1)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=1" class="btn btn-block btn-primary" name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/top-air-conditioner-units.png" alt="Sony DSLR">

</a>

<center>

<div class="caption">

<h3>Carrier</h3>

<p>Price: Rs. 40000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(2)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=2" class="btn btn-block btn-primary" name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/ae7d0e7be195579feae9b0d9e12a2cca.png" alt="Sony DSLR">

</a>

<center>

<div class="caption">

<h3>Rheem</h3>

<p>Price: Rs. 50000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(3)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=3" class="btn btn-block btn-primary" name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/goodman-air-conditioner-reviews.jpg.webp" alt="Olympus">

</a>

<center>

<div class="caption">

<h3>GoodMan</h3>

<p>Price: Rs. 80000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(4)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=4" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

</div>

<div class="row">

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/Mitsubishi-MUZ-FH.jpg" alt="Titan 301">

</a>

<center>

<div class="caption">

<h3>Mitsubishi</h3>

<p>Price: Rs. 13000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(5)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=5" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/carrier-mini-split-acs-hsinstcaridac-64\_1000.jpg" alt="Titan 201">

</a>

<center>

<div class="caption">

<h3>Carrier mini</h3>

<p>Price: Rs. 3000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(6)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=6" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/1549278896078\_maxseries2.png" alt="htm milan">

</a>

<center>

<div class="caption">

<h3>Midea</h3>

<p>Price: Rs. 8000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(7)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=7" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/DLS\_RAS-LAV-LKV\_Large.gif" alt="Favre Leuba">

</a>

<center>

<div class="caption">

<h3>Toshiba</h3>

<p>Price: Rs. 18000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(8)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=8" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

</div>

<div class="row">

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/image.jfif" alt="Raymond shirt">

</a>

<center>

<div class="caption">

<h3>Voltas</h3>

<p>Price: Rs. 1500.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(9)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=9" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/61ScrnVdoOL.\_SX466\_.jpg" alt="Charles shirt">

</a>

<center>

<div class="caption">

<h3>LLOYD</h3>

<p>Price: Rs. 1000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(10)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=10" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/91hrQihsa9L.\_SX679\_.jpg" alt="HXR">

</a>

<center>

<div class="caption">

<h3>HITACHI</h3>

<p>Price: Rs. 9000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(11)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=11" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/65-500x500.jpg" alt="PINK">

</a>

<center>

<div class="caption">

<h3>LG</h3>

<p>Price: Rs. 12000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(12)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=12" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

</div>

</div>

<br><br><br><br><br><br><br><br>

<footer class="footer">

<div class="container">

<center>

<p>Copyright &copy <a href="https://projectworlds.in">Projectworlds</a> Store. All Rights Reserved.</p>

<p>This website is developed by Yugesh Verma</p>

</center>

</div>

</footer>

</div>

</body>

</html>

<?php

session\_start();

require 'connection.php';

if(!isset($\_SESSION['email'])){

header('location: login.php');

}

$user\_id=$\_SESSION['id'];

$user\_products\_query="select it.id,it.name,it.price from users\_items ut inner join items it on it.id=ut.item\_id where ut.user\_id='$user\_id'";

$user\_products\_result=mysqli\_query($con,$user\_products\_query) or die(mysqli\_error($con));

$no\_of\_user\_products= mysqli\_num\_rows($user\_products\_result);

$sum=0;

if($no\_of\_user\_products==0){

//echo "Add items to cart first.";

?>

<script>

window.alert("No items in the cart!!");

</script>

<?php

}else{

while($row=mysqli\_fetch\_array($user\_products\_result)){

$sum=$sum+$row['price'];

}

}

?>

<!DOCTYPE html>

<html>

<head>

<link rel="shortcut icon" href="img/lifestyleStore.png" />

<title>Projectworlds Store</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<!-- latest compiled and minified CSS -->

<link rel="stylesheet" href="bootstrap/css/bootstrap.min.css" type="text/css">

<!-- jquery library -->

<script type="text/javascript" src="bootstrap/js/jquery-3.2.1.min.js"></script>

<!-- Latest compiled and minified javascript -->

<script type="text/javascript" src="bootstrap/js/bootstrap.min.js"></script>

<!-- External CSS -->

<link rel="stylesheet" href="css/style.css" type="text/css">

</head>

<body>

<div>

<?php

require 'header.php';

?>

<br>

<div class="container">

<table class="table table-bordered table-striped">

<tbody>

<tr>

<th>Item Number</th><th>Item Name</th><th>Price</th><th></th>

</tr>

<?php

$user\_products\_result=mysqli\_query($con,$user\_products\_query) or die(mysqli\_error($con));

$no\_of\_user\_products= mysqli\_num\_rows($user\_products\_result);

$counter=1;

while($row=mysqli\_fetch\_array($user\_products\_result)){

?>

<tr>

<th><?php echo $counter ?></th><th><?php echo $row['name']?></th><th><?php echo $row['price']?></th>

<th><a href='cart\_remove.php?id=<?php echo $row['id'] ?>'>Remove</a></th>

</tr>

<?php $counter=$counter+1;}?>

<tr>

<th></th><th>Total</th><th>Rs <?php echo $sum;?>/-</th><th><a href="success.php?id=<?php echo $user\_id?>" class="btn btn-primary">Confirm Order</a></th>

</tr>

</tbody>

</table>

</div>

<br><br><br><br><br><br><br><br><br><br>

<footer class="footer">

<div class="container">

<center>

<p>Copyright &copy <a href="https://projectworlds.in">Projectworlds</a> Store. All Rights Reserved.</p>

<p>This website is developed by Yugesh Verma</p>

</center>

</div>

</footer>

</div>

</body>

</html>

<?php

require 'connection.php';

//require 'header.php';

session\_start();

$item\_id=$\_GET['id'];

$user\_id=$\_SESSION['id'];

$add\_to\_cart\_query="insert into users\_items(user\_id,item\_id,status) values ('$user\_id','$item\_id','Added to cart')";

$add\_to\_cart\_result=mysqli\_query($con,$add\_to\_cart\_query) or die(mysqli\_error($con));

header('location: products.php');

?>

<?php

require 'connection.php';

session\_start();

$item\_id=$\_GET['id'];

$user\_id=$\_SESSION['id'];

$delete\_query="delete from users\_items where user\_id='$user\_id' and item\_id='$item\_id'";

$delete\_query\_result=mysqli\_query($con,$delete\_query) or die(mysqli\_error($con));

header('location: cart.php');

?>

<?php

session\_start();

require 'connection.php';

if(!isset($\_SESSION['email'])){

header('location:index.php');

}

$old\_password= md5(md5(mysqli\_real\_escape\_string($con,$\_POST['oldPassword'])));

$new\_password= md5(md5(mysqli\_real\_escape\_string($con,$\_POST['newPassword'])));

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

//echo $email;

$password\_from\_database\_query="select password from users where email='$email'";

$password\_from\_database\_result=mysqli\_query($con,$password\_from\_database\_query) or die(mysqli\_error($con));

$row=mysqli\_fetch\_array($password\_from\_database\_result);

//echo $row['password'];

if($row['password']==$old\_password){

$update\_password\_query="update users set password='$new\_password' where email='$email'";

$update\_password\_result=mysqli\_query($con,$update\_password\_query) or die(mysqli\_error($con));

echo "Your password has been updated.";

?>

<meta http-equiv="refresh" content="3;url=products.php" />

<?php

}else{

?>

<script>

window.alert("Wrong password!!");

</script>

<meta http-equiv="refresh" content="1;url=settings.php" />

<?php

//header('location:settings.php');

}

?>

<?php

session\_start();

require 'connection.php';

if(!isset($\_SESSION['email'])){

header('location:index.php');

}

?>

<!DOCTYPE html>

<html>

<head>

<link rel="shortcut icon" href="img/lifestyleStore.png" />

<title>Projectworlds Store</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<!-- latest compiled and minified CSS -->

<link rel="stylesheet" href="bootstrap/css/bootstrap.min.css" type="text/css">

<!-- jquery library -->

<script type="text/javascript" src="bootstrap/js/jquery-3.2.1.min.js"></script>

<!-- Latest compiled and minified javascript -->

<script type="text/javascript" src="bootstrap/js/bootstrap.min.js"></script>

<!-- External CSS -->

<link rel="stylesheet" href="css/style.css" type="text/css">

</head>

<body>

<div>

<?php

require 'header.php';

?>

<br>

<div class="container">

<div class="row">

<div class="col-xs-4 col-xs-offset-4">

<h1>Change Password</h1>

<form method="post" action="setting\_script.php">

<div class="form-group">

<input type="password" class="form-control" name="oldPassword" placeholder="Old Password">

</div>

<div class="form-group">

<input type="password" class="form-control" name="newPassword" placeholder="New Password">

</div>

<div class="form-group">

<input type="password" class="form-control" name="retype" placeholder="Re-type new password">

</div>

<div class="form-group">

<input type="submit" class="btn btn-primary" value="Change">

</div>

</form>

</div>

</div>

</div>

<br><br><br><br><br>

<footer class="footer">

<div class="container">

<center>

<p>Copyright &copy <a href="https://projectworlds.in">Projectworlds</a> Store. All Rights Reserved.</p>

<p>This website is developed by Yugesh Verma</p>

</center>

</div>

</footer>

</div>

</body>

</html>

<?php

function check\_if\_added\_to\_cart($item\_id){

//session\_start();

require 'connection.php';

$user\_id=$\_SESSION['id'];

$product\_check\_query="select \* from users\_items where item\_id='$item\_id' and user\_id='$user\_id' and status='Added to cart'";

$product\_check\_result=mysqli\_query($con,$product\_check\_query) or die(mysqli\_error($con));

$num\_rows=mysqli\_num\_rows($product\_check\_result);

if($num\_rows>=1)return 1;

return 0;

}

?>

<?php

session\_start();

require 'connection.php';

if(!isset($\_SESSION['email'])){

header('location:index.php');

}else{

$user\_id=$\_GET['id'];

$confirm\_query="update users\_items set status='Confirmed' where user\_id=$user\_id";

$confirm\_query\_result=mysqli\_query($con,$confirm\_query) or die(mysqli\_error($con));

}

?>

<!DOCTYPE html>

<html>

<head>

<link rel="shortcut icon" href="img/lifestyleStore.png" />

<title>Projectworlds Store</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<!-- latest compiled and minified CSS -->

<link rel="stylesheet" href="bootstrap/css/bootstrap.min.css" type="text/css">

<!-- jquery library -->

<script type="text/javascript" src="bootstrap/js/jquery-3.2.1.min.js"></script>

<!-- Latest compiled and minified javascript -->

<script type="text/javascript" src="bootstrap/js/bootstrap.min.js"></script>

<!-- External CSS -->

<link rel="stylesheet" href="css/style.css" type="text/css">

</head>

<body>

<div>

<?php

require 'header.php';

?>

<br>

<div class="container">

<div class="row">

<div class="col-xs-6">

<div class="panel panel-primary">

<div class="panel-heading"></div>

<div class="panel-body">

<p>Your order is confirmed. Thank you for shopping with us. <a href="products.php">Click here</a> to purchase any other item.</p>

</div>

</div>

</div>

</div>

</div>

<footer class="footer">

<div class="container">

<center>

<p>Copyright &copy <a href="https://projectworlds.in">Projectworlds</a> Store. All Rights Reserved.</p>

<p>This website is developed by Yugesh Verma</p>

</center>

</div>

</footer>

</div>

</body>

</html>

<?php

require 'connection.php';

session\_start();

$name= mysqli\_real\_escape\_string($con,$\_POST['name']);

$email=mysqli\_real\_escape\_string($con,$\_POST['email']);

$regex\_email="/^[\_a-z0-9-]+(\.[\_a-z0-9-]+)\*@[a-z0-9-]+(\.[\_a-z0-9-]+)\*(\.[a-z]{2,3})$/";

if(!preg\_match($regex\_email,$email)){

echo "Incorrect email. Redirecting you back to registration page...";

?>

<meta http-equiv="refresh" content="2;url=signup.php" />

<?php

}

$password=md5(md5(mysqli\_real\_escape\_string($con,$\_POST['password'])));

if(strlen($password)<6){

echo "Password should have atleast 6 characters. Redirecting you back to registration page...";

?>

<meta http-equiv="refresh" content="2;url=signup.php" />

<?php

}

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

$city=mysqli\_real\_escape\_string($con,$\_POST['city']);

$address=mysqli\_real\_escape\_string($con,$\_POST['address']);

$duplicate\_user\_query="select id from users where email='$email'";

$duplicate\_user\_result=mysqli\_query($con,$duplicate\_user\_query) or die(mysqli\_error($con));

$rows\_fetched=mysqli\_num\_rows($duplicate\_user\_result);

if($rows\_fetched>0){

//duplicate registration

//header('location: signup.php');

?>

<script>

window.alert("Email already exists in our database!");

</script>

<meta http-equiv="refresh" content="1;url=signup.php" />

<?php

}else{

$user\_registration\_query="insert into users(name,email,password,contact,city,address) values ('$name','$email','$password','$contact','$city','$address')";

//die($user\_registration\_query);

$user\_registration\_result=mysqli\_query($con,$user\_registration\_query) or die(mysqli\_error($con));

echo "User successfully registered";

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

//The mysqli\_insert\_id() function returns the id (generated with AUTO\_INCREMENT) used in the last query.

$\_SESSION['id']=mysqli\_insert\_id($con);

//header('location: products.php'); //for redirecting

?>

<meta http-equiv="refresh" content="3;url=products.php" />

<?php

}

?>

<?php

$con=mysqli\_connect("localhost","root","","store") or die(mysqli\_error($con));

//$con=mysqli\_connect("localhost","root","","store") or die(mysqli\_error($con));

?>

* **Index page**

<?php

session\_start();

?>

<!DOCTYPE html>

<html>

<head>

<link rel="shortcut icon" href="img/lifestyleStore.png" />

<title>ACworlds Store</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<!-- latest compiled and minified CSS -->

<link rel="stylesheet" href="bootstrap/css/bootstrap.min.css" type="text/css">

<!-- jquery library -->

<script type="text/javascript" src="bootstrap/js/jquery-3.2.1.min.js"></script>

<!-- Latest compiled and minified javascript -->

<script type="text/javascript" src="bootstrap/js/bootstrap.min.js"></script>

<!-- External CSS -->

<link rel="stylesheet" href="css/style.css" type="text/css">

</head>

<body>

<div>

<?php

require 'header.php';

?>

<div id="bannerImage">

<div class="container">

<center>

<div id="bannerContent">

<h1>We sell .</h1>

<p>Flat 40% OFF on all AC.</p>

<a href="products.php" class="btn btn-danger">Shop Now</a>

</div>

</center>

</div>

</div>

<div class="container">

<div class="row">

<div class="col-xs-4">

<div class="thumbnail">

<a href="products.php">

<img src="img/Condenser-Masked.png" alt="Camera">

</a>

<center>

<div class="caption">

<p id="autoResize">Central Air Conditioner</p>

<p>Choose among the best available in the world.</p>

</div>

</center>

</div>

</div>

<div class="col-xs-4">

<div class="thumbnail">

<a href="products.php">

<img src="img/Mitsubishi-MUZ-FH.jpg" alt="Watch">

</a>

<center>

<div class="caption">

<p id="autoResize">Ductless Mini-Split</p>

<p>Original from the best brands.</p>

</div>

</center>

</div>

</div>

<div class="col-xs-4">

<div class="thumbnail">

<a href="products.php">

<img src="img/image.jfif" alt="Shirt">

</a>

<center>

<div class="caption">

<p id="autoResize">Window Air Conditioner</p>

<p>Our exquisite collection of Window AC.</p>

</div>

</center>

</div>

</div>

</div>

</div>

<br><br> <br><br><br><br>

<footer class="footer">

<div class="container">

<center>

<p> All Rights Reserved.</p>

<p>This website is developed by Asher</p>

</center>

</div>

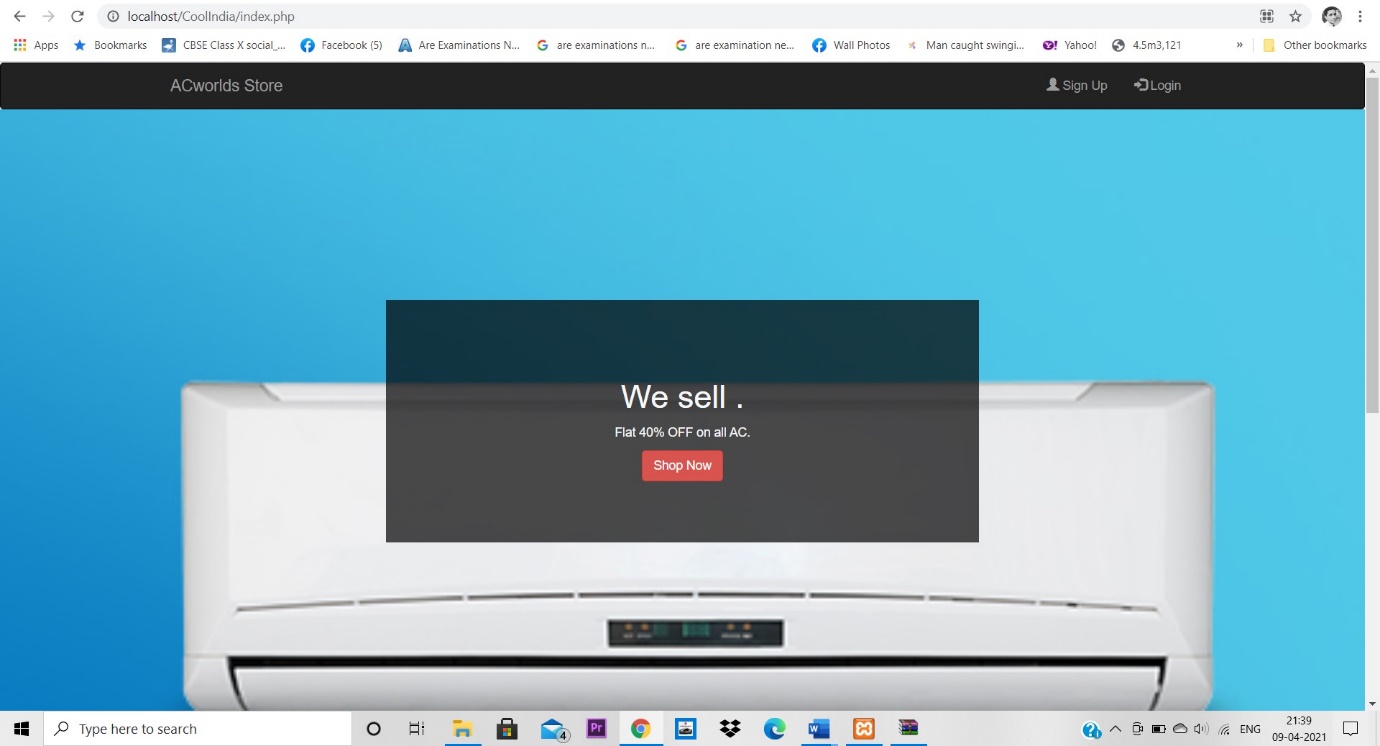
</footer>

</div>

</body>

</html>

* **Output of Index Page**



* **SignUp Page**

<?php

require 'connection.php';

session\_start();

if(isset($\_SESSION['email'])){

header('location: products.php');

}

?>

<!DOCTYPE html>

<html>

<head>

<link rel="shortcut icon" href="img/lifestyleStore.png" />

<title>Projectworlds Store</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<!-- latest compiled and minified CSS -->

<link rel="stylesheet" href="bootstrap/css/bootstrap.min.css" type="text/css">

<!-- jquery library -->

<script type="text/javascript" src="bootstrap/js/jquery-3.2.1.min.js"></script>

<!-- Latest compiled and minified javascript -->

<script type="text/javascript" src="bootstrap/js/bootstrap.min.js"></script>

<!-- External CSS -->

<link rel="stylesheet" href="css/style.css" type="text/css">

</head>

<body>

<div>

<?php

require 'header.php';

?>

<br><br>

<div class="container">

<div class="row">

<div class="col-xs-4 col-xs-offset-4">

<h1><b>SIGN UP</b></h1>

<form method="post" action="user\_registration\_script.php">

<div class="form-group">

<input type="text" class="form-control" name="name" placeholder="Name" required="true">

</div>

<div class="form-group">

<input type="email" class="form-control" name="email" placeholder="Email" required="true" pattern="[a-z0-9.\_%+-]+@[a-z0-9.-]+\.[a-z]{2,3}$">

</div>

<div class="form-group">

<input type="password" class="form-control" name="password" placeholder="Password(min. 6 characters)" required="true" pattern=".{6,}">

</div>

<div class="form-group">

<input type="tel" class="form-control" name="contact" placeholder="Contact" required="true">

</div>

<div class="form-group">

<input type="text" class="form-control" name="city" placeholder="City" required="true">

</div>

<div class="form-group">

<input type="text" class="form-control" name="address" placeholder="Address" required="true">

</div>

<div class="form-group">

<input type="submit" class="btn btn-primary" value="Sign Up">

</div>

</form>

</div>

</div>

</div>

<br><br><br><br><br><br>

<footer class="footer">

<div class="container">

<center>

<p>Copyright &copy <a href="https://projectworlds.in">Projectworlds</a> Store. All Rights Reserved.</p>

<p>This website is developed by Yugesh Verma</p>

</center>

</div>

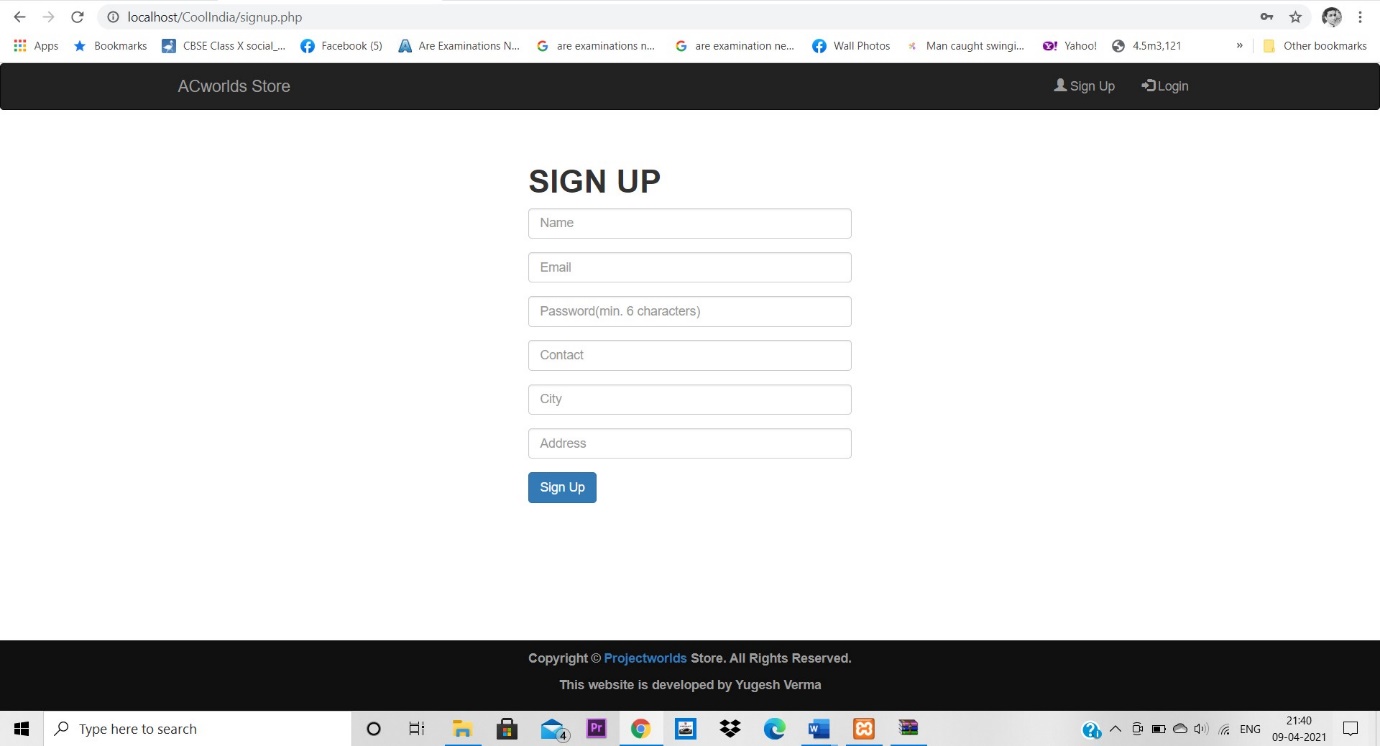
</footer>

</div>

</body>

</html>

* **Output for Signup Page**



* **Login Page**

<?php

require 'connection.php';

session\_start();

?>

<!DOCTYPE html>

<html>

<head>

<link rel="shortcut icon" href="img/lifestyleStore.png" />

<title>Projectworlds Store</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<!-- latest compiled and minified CSS -->

<link rel="stylesheet" href="bootstrap/css/bootstrap.min.css" type="text/css">

<!-- jquery library -->

<script type="text/javascript" src="bootstrap/js/jquery-3.2.1.min.js"></script>

<!-- Latest compiled and minified javascript -->

<script type="text/javascript" src="bootstrap/js/bootstrap.min.js"></script>

<!-- External CSS -->

<link rel="stylesheet" href="css/style.css" type="text/css">

</head>

<body>

<div>

<?php

require 'header.php';

?>

<br><br><br>

<div class="container">

<div class="row">

<div class="col-xs-6 col-xs-offset-3">

<div class="panel panel-primary">

<div class="panel-heading">

<h3>LOGIN</h3>

</div>

<div class="panel-body">

<p>Login to make a purchase.</p>

<form method="post" action="login\_submit.php">

<div class="form-group">

<input type="email" class="form-control" name="email" placeholder="Email" pattern="[a-z0-9.\_%+-]+@[a-z0-9.-]+\.[a-z]{2,3}$">

</div>

<div class="form-group">

<input type="password" class="form-control" name="password" placeholder="Password(min. 6 characters)" pattern=".{6,}">

</div>

<div class="form-group">

<input type="submit" value="Login" class="btn btn-primary">

</div>

</form>

</div>

<div class="panel-footer">Don't have an account yet? <a href="signup.php">Register</a></div>

</div>

</div>

</div>

</div>

<br><br><br><br><br>

<footer class="footer">

<div class="container">

<center>

<p>Copyright &copy <a href="https://projectworlds.in">Projectworlds</a> Store. All Rights Reserved.</p>

<p>This website is developed by Yugesh Verma</p>

</center>

</div>

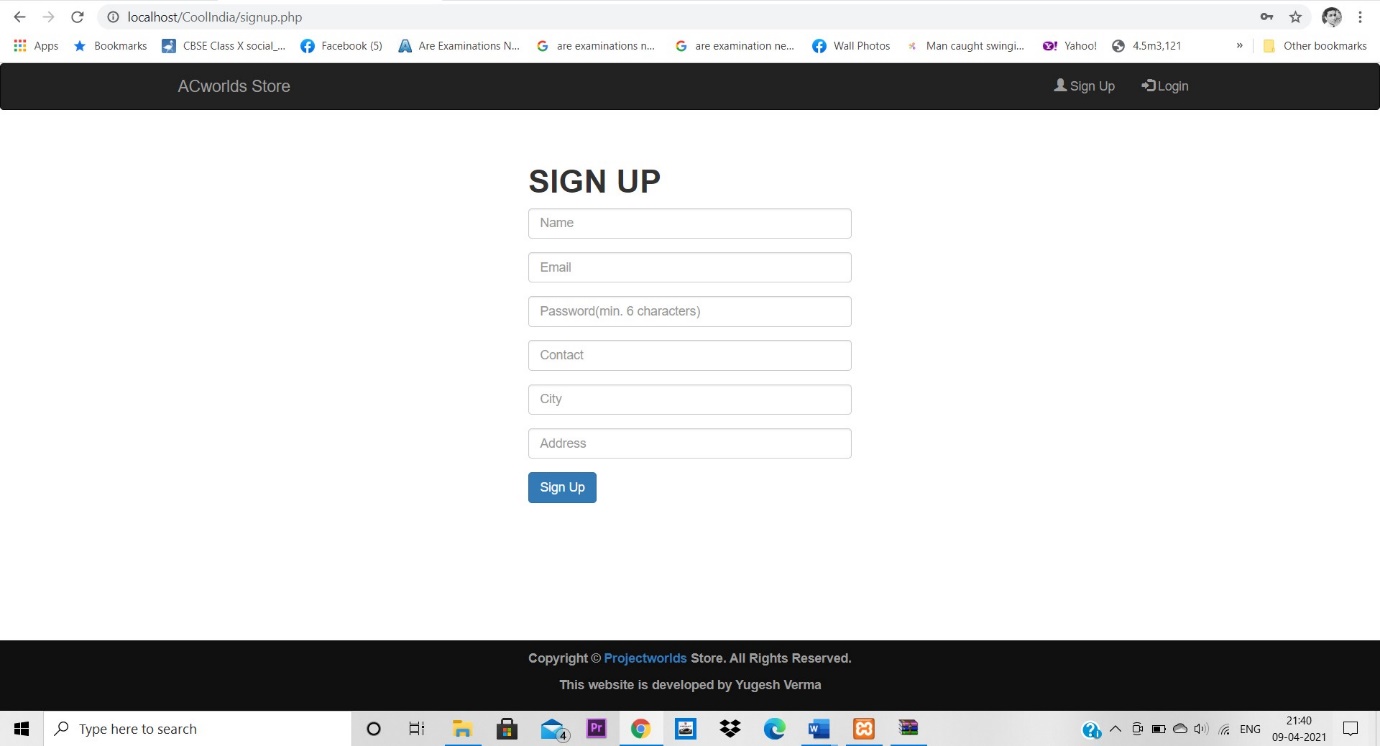
</footer>

</div>

</body>

</html>

* **Output for Login Page**



* **Product Page**

<?php

session\_start();

require 'check\_if\_added.php';

?>

<!DOCTYPE html>

<html>

<head>

<link rel="shortcut icon" href="img/lifestyleStore.png" />

<title>ACworlds Store</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<!-- latest compiled and minified CSS -->

<link rel="stylesheet" href="bootstrap/css/bootstrap.min.css" type="text/css">

<!-- jquery library -->

<script type="text/javascript" src="bootstrap/js/jquery-3.2.1.min.js"></script>

<!-- Latest compiled and minified javascript -->

<script type="text/javascript" src="bootstrap/js/bootstrap.min.js"></script>

<!-- External CSS -->

<link rel="stylesheet" href="css/style.css" type="text/css">

</head>

<body>

<div>

<?php

require 'header.php';

?>

<div class="container">

<div class="jumbotron">

<h1>Welcome to our ACworlds Store!</h1>

<p>We have the best AC Units for you. No need to hunt around, we have all in one place.</p>

</div>

</div>

<div class="container">

<div class="row">

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/Condenser-Masked.png" alt="Cannon">

</a>

<center>

<div class="caption">

<h3>Blue Star </h3>

<p>Price: Rs. 36000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(1)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=1" class="btn btn-block btn-primary" name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/top-air-conditioner-units.png" alt="Sony DSLR">

</a>

<center>

<div class="caption">

<h3>Carrier</h3>

<p>Price: Rs. 40000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(2)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=2" class="btn btn-block btn-primary" name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/ae7d0e7be195579feae9b0d9e12a2cca.png" alt="Sony DSLR">

</a>

<center>

<div class="caption">

<h3>Rheem</h3>

<p>Price: Rs. 50000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(3)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=3" class="btn btn-block btn-primary" name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/goodman-air-conditioner-reviews.jpg.webp" alt="Olympus">

</a>

<center>

<div class="caption">

<h3>GoodMan</h3>

<p>Price: Rs. 80000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(4)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=4" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

</div>

<div class="row">

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/Mitsubishi-MUZ-FH.jpg" alt="Titan 301">

</a>

<center>

<div class="caption">

<h3>Mitsubishi</h3>

<p>Price: Rs. 13000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(5)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=5" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/carrier-mini-split-acs-hsinstcaridac-64\_1000.jpg" alt="Titan 201">

</a>

<center>

<div class="caption">

<h3>Carrier mini</h3>

<p>Price: Rs. 3000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(6)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=6" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/1549278896078\_maxseries2.png" alt="htm milan">

</a>

<center>

<div class="caption">

<h3>Midea</h3>

<p>Price: Rs. 8000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(7)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=7" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/DLS\_RAS-LAV-LKV\_Large.gif" alt="Favre Leuba">

</a>

<center>

<div class="caption">

<h3>Toshiba</h3>

<p>Price: Rs. 18000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(8)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=8" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

</div>

<div class="row">

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/image.jfif" alt="Raymond shirt">

</a>

<center>

<div class="caption">

<h3>Voltas</h3>

<p>Price: Rs. 1500.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(9)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=9" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/61ScrnVdoOL.\_SX466\_.jpg" alt="Charles shirt">

</a>

<center>

<div class="caption">

<h3>LLOYD</h3>

<p>Price: Rs. 1000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(10)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=10" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/91hrQihsa9L.\_SX679\_.jpg" alt="HXR">

</a>

<center>

<div class="caption">

<h3>HITACHI</h3>

<p>Price: Rs. 9000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(11)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=11" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

<div class="col-md-3 col-sm-6">

<div class="thumbnail">

<a href="cart.php">

<img src="img/65-500x500.jpg" alt="PINK">

</a>

<center>

<div class="caption">

<h3>LG</h3>

<p>Price: Rs. 12000.00</p>

<?php if(!isset($\_SESSION['email'])){ ?>

<p><a href="login.php" role="button" class="btn btn-primary btn-block">Buy Now</a></p>

<?php

}

else{

if(check\_if\_added\_to\_cart(12)){

echo '<a href="#" class=btn btn-block btn-success disabled>Added to cart</a>';

}else{

?>

<a href="cart\_add.php?id=12" class="btn btn-block btn-primary " name="add" value="add" class="btn btn-block btr-primary">Add to cart</a>

<?php

}

}

?>

</div>

</center>

</div>

</div>

</div>

</div>

<br><br><br><br><br><br><br><br>

<footer class="footer">

<div class="container">

<center>

<p>Copyright &copy <a href="https://projectworlds.in">Projectworlds</a> Store. All Rights Reserved.</p>

<p>This website is developed by Yugesh Verma</p>

</center>

</div>

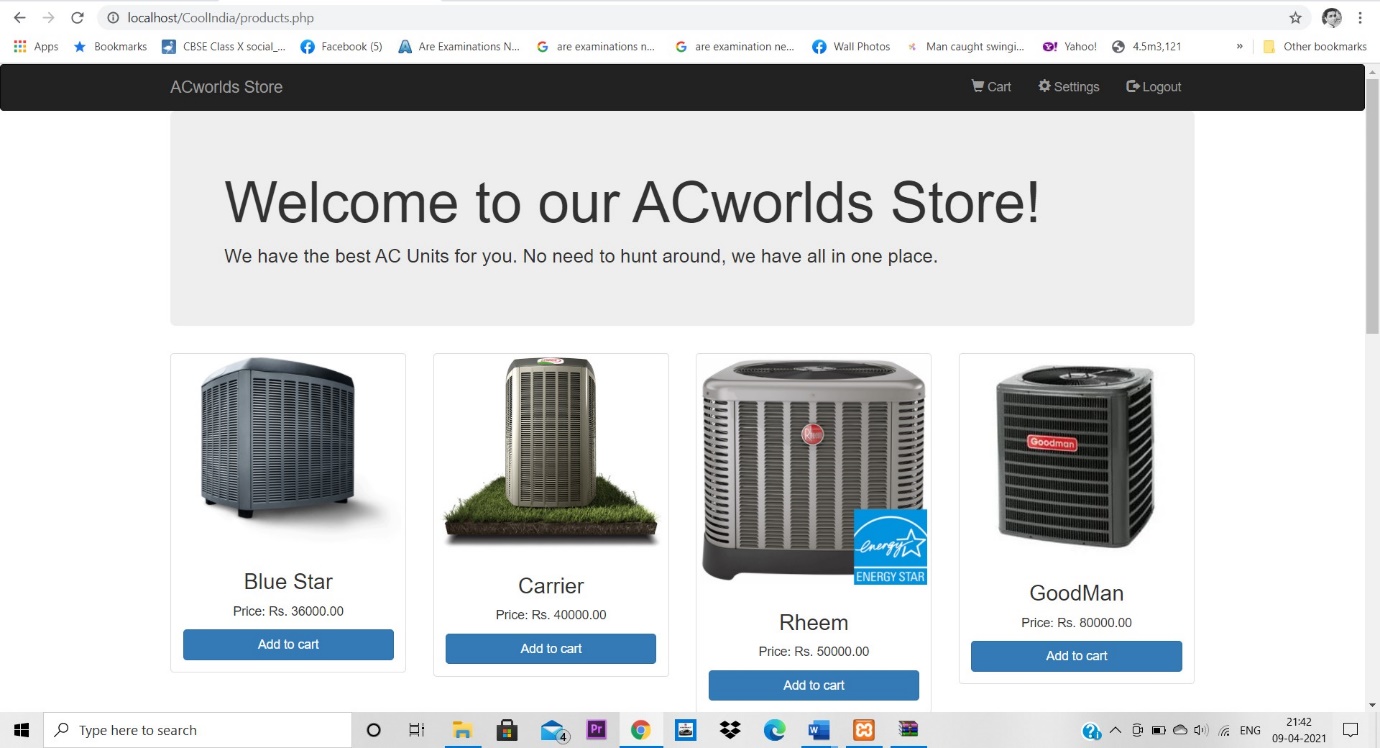
</footer>

</div>

</body>

</html>

* **Output for Product Page**



* **Cart Page**

<?php

session\_start();

require 'connection.php';

if(!isset($\_SESSION['email'])){

header('location: login.php');

}

$user\_id=$\_SESSION['id'];

$user\_products\_query="select it.id,it.name,it.price from users\_items ut inner join items it on it.id=ut.item\_id where ut.user\_id='$user\_id'";

$user\_products\_result=mysqli\_query($con,$user\_products\_query) or die(mysqli\_error($con));

$no\_of\_user\_products= mysqli\_num\_rows($user\_products\_result);

$sum=0;

if($no\_of\_user\_products==0){

//echo "Add items to cart first.";

?>

<script>

window.alert("No items in the cart!!");

</script>

<?php

}else{

while($row=mysqli\_fetch\_array($user\_products\_result)){

$sum=$sum+$row['price'];

}

}

?>

<!DOCTYPE html>

<html>

<head>

<link rel="shortcut icon" href="img/lifestyleStore.png" />

<title>Projectworlds Store</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<!-- latest compiled and minified CSS -->

<link rel="stylesheet" href="bootstrap/css/bootstrap.min.css" type="text/css">

<!-- jquery library -->

<script type="text/javascript" src="bootstrap/js/jquery-3.2.1.min.js"></script>

<!-- Latest compiled and minified javascript -->

<script type="text/javascript" src="bootstrap/js/bootstrap.min.js"></script>

<!-- External CSS -->

<link rel="stylesheet" href="css/style.css" type="text/css">

</head>

<body>

<div>

<?php

require 'header.php';

?>

<br>

<div class="container">

<table class="table table-bordered table-striped">

<tbody>

<tr>

<th>Item Number</th><th>Item Name</th><th>Price</th><th></th>

</tr>

<?php

$user\_products\_result=mysqli\_query($con,$user\_products\_query) or die(mysqli\_error($con));

$no\_of\_user\_products= mysqli\_num\_rows($user\_products\_result);

$counter=1;

while($row=mysqli\_fetch\_array($user\_products\_result)){

?>

<tr>

<th><?php echo $counter ?></th><th><?php echo $row['name']?></th><th><?php echo $row['price']?></th>

<th><a href='cart\_remove.php?id=<?php echo $row['id'] ?>'>Remove</a></th>

</tr>

<?php $counter=$counter+1;}?>

<tr>

<th></th><th>Total</th><th>Rs <?php echo $sum;?>/-</th><th><a href="success.php?id=<?php echo $user\_id?>" class="btn btn-primary">Confirm Order</a></th>

</tr>

</tbody>

</table>

</div>

<br><br><br><br><br><br><br><br><br><br>

<footer class="footer">

<div class="container">

<center>

<p>Copyright &copy <a href="https://projectworlds.in">Projectworlds</a> Store. All Rights Reserved.</p>

<p>This website is developed by Yugesh Verma</p>

</center>

</div>

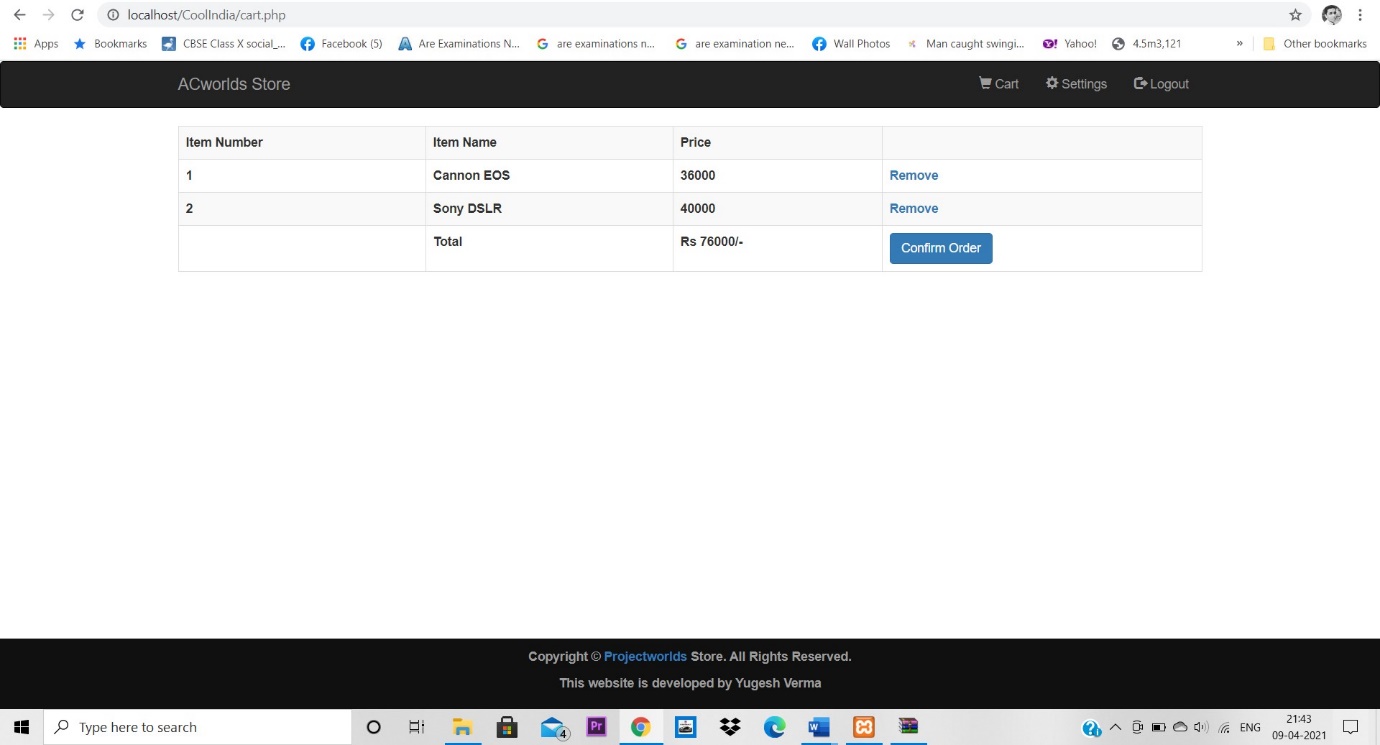
</footer>

</div>

</body>

</html>

* **Output for cart**



**5.2 Code Efficiency**

Code efficiency is an overall idea used to portray the dependability, speed and programming techniques utilized in planning codes for an application.

Some are the ways to achieve a good code efficiency:

* Remove unwanted and unnecessary code.
* To execute the significant algorithm utilizing the best keywords, data types and variables, and other accessible programming ideas.
* To ensure the fastest possible completion time for the algorithm.
* Use the memory and non-volatile storage optimally.

**5.3 Testing Approaches**

Since we accept that our work will contain mistakes, we should all double check our own work. In any case, since specific mistakes are the consequence of broken assumptions and vulnerable sides, we can make similar blunders while surveying our own work as we did when we finished it. Thus, we were unable to see the inadequacies in our work.

The testing is done through all the phase of the advancement life cycle. It is a confirmation and approval approach (V&V Model).

* **Verification**

Verification is the way toward assessing work-items from the advancement stage to check whether they meet the predefined prerequisites. Check guarantees that the part is implicit agreement with the set-up guidelines and standards.

* **Validation**

Validation is a strategy utilized at the finish of the improvement stage to guarantee that the item meets the predetermined necessities. To put it another way, to guarantee that the item meets the customer's prerequisites.

To guarantee that the framework is exact and proficient, testing and execution go inseparably. The most well-known sort of testing is finished by the client who runs the program. It is important to make an authentic application. In this period of the product advancement life cycle, the entirety of the bugs and blunders from the past advance are fixed.

System testing aids the revelation of defects that were not recognized during before phases of the improvement life cycle. The program is deliberately raced to discover mistakes. Stress testing, limit esteem examination, and other comparative methodology fall under this class. To test, different experiments are made.

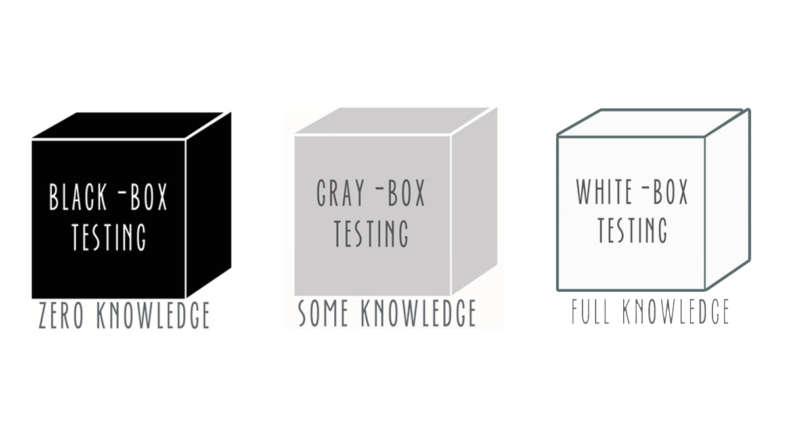
There are different ways to test this software:

**5.3.1 Unit Testing**

Unit Testing is a level of programming testing where particular units/portions of an item are attempted. The article is to support that each unit of the item continues as arranged. A unit is the most diminutive testable piece of any item. It generally has one or two or three data sources and for the most part a singular yield. In procedural programming, a unit may be an individual program, work, framework, etc in object-masterminded programming, the smallest unit is a procedure, which may have a spot with a base/super class, hypothetical class or gathered/youth class. (Some treat a module of an application as a unit. This is to be incapacitate as there will probably be various individual units inside that module.) Unit testing frameworks, drivers, stubs, and phony/fake articles are used to help unit testing.

**Types of unit testing**

* **Black Box Testing -** Tests the user interface, inputs and outputs.
* **White Box Testing -** Tests the function’s behaviour.
* **Gray Box Testing** - Executes tests, risks and assessment methods.



**5.3.2 Beta Testing**

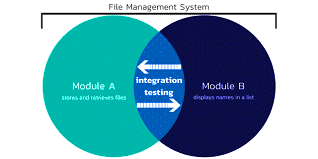
Beta Testing is one of the Acceptance Testing types, which upgrades the thing as the end customer (anticipated certified customer) supports the thing for helpfulness, accommodation, relentless quality, and comparability. Data sources given by the end-customers helps in updating the idea of the thing further and prompts its flourishing. This in like manner urges in unique to put further later on things or a comparative thing for extemporaneous creation.

Since Beta Testing happens at the end customer's side, it can't be the control edaction. Beta Testing is one of the Customer Validation strategies to survey the degree of purchaser dedication with the thing by letting it to be endorsed by the end customers, who truly use it, for all through some timespan. Thing experience gained by the end customers are mentioned analysis on arrangement, handiness, and comfort and this assistants in surveying the nature of the thing.

**5.3.3 Integration Testing**

This kind of testing incorporates the units to make a module or a joining of modules to make integration. It begins at a module level where the various units and parts are joined to shape a module and go up to integration level. The testing tests the usefulness of programming under audit. It centres around yield conventions, and boundaries passing between the units.

The principle focal point of reconciliation is on low-level plan and the development of programming. It is a premise of primary testing.



There are two types of integration testing:

* **Bottom-Up Approach**

Bottom Up is a way to deal with Integration Testing where base level units are tried first and upper-level units’ bit by bit after that. This methodology is adopted when base up advancement strategy is followed. Test pilots are expected to reproduce more elevated level units which may not be accessible during the underlying stages.

* **Top-Down Approach**

Top Down is an approach to manage Integration Testing where significant level units are attempted first furthermore, lower-level units are attempted one small step at a time after that. This system is embraced when top-down progress methodology is followed. Test Stubs are relied upon to duplicate lower-level units which may not be open during the hidden stages.

**5.4 Applications of the techniques in the project**

* **Test Plan**

A test plan is a record that sums up the test system, targets, assets (labour, programming, and equipment) needed for testing, test plan, test assessment, and test expectations. It is an arrangement to lead programming testing occasions as a characterized cycle that the test director intently screens and measures. Test Plans are known as the most essential errand of the Test Management Process.

**Step 1: Analyse the product**

Is it conceivable to evaluate an item with no data about it? The appropriate response is no. An item ought to be seen appropriately prior to being tried. The designer should likewise comprehend the end client's requirements and their assumptions from this item

**Step 2: Develop Test Strategy**

Test Strategy is a significant advance in the improvement of a test plan. A test system report is set up by the Test Manager. This archive characterizes:

* The testing objectives and the ways to achieve them.
* It is also determining the testing effort and costs

**Step 3: Define test Objective**

Test objective is the goal and accomplishment of the test execution. The objective of testing is to find as many software flaws as possible; to ensure that the software below tests is bug free before it releases.

Following are the test objectives of Medi-Life:

* The main objective of the software is the proper functioning of all the module
* The end user must be satisfied with the final output of the software

**Step 4: Define Test Criteria**

Test Criteria is the condition on the basis of which the test process can be constructed. There are 2 types of test criteria:

* **Suspension Criteria**

Decide the critical suspension criteria for the test. When the suspension criterion is met during testing, the current active test cycle is suspended until the criterion is solved.

* **Exit Criteria**

This is the criterion which signifies the completion of a test phase. They are the targeted outcomes of a test.

**Step 5: Resource Planning**

It is a summary of all the resources which are required for a successful completion of the project. The resources can be human, equipment or materials. It helps in understanding the number of resources required. Hence it helps the test manager to make an accurate schedule.

**Step 6: Plan Test Environment**

The testing workbench consists of the software, hardware on which the test team performs the test cases and scenarios. It consists of the business and user environment, and the physical environments.

**Step 7: Test Deliverables**

It is a list of documents, tools and the components that have to be stored for further reference.

Test deliverables are to be provided before the testing phase:

* Test plans, Test cases and Test design document.

Test deliverables that are provided during the testing:

* Test Scripts, Test Data and Simulator
* Error logs and execution logs.

Test deliverables that are provided subsequently after the testing cycles are over:

* Test Results/reports
* Defect Report

**5.5 Test Case**

An experiment is a bunch of activities that are to be executed to check a specific element or usefulness of the product application. It is utilized to approve the Application Under Test (AUT).

**Typical Test Case Parameters:**

* Test Case ID
* Test Scenario
* Test Case Description
* Test Steps
* Prerequisite
* Test Data
* Expected Result
* Test Parameters
* Actual Result
* Environment Information
* Comments

|  |  |
| --- | --- |
| Project Name: CoolIndia | |
| Test Case | |
| Test Case ID: 1 | Test Designed By: Asher Mikhayel |
| Test Priority: High | Test Design Date: 09/3/21 |
| Test Executed By: Asher Mikhayel | Test Execution Date: 11/3/21 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case id | Test  Scenario | Test steps | Test data | Expect ed Result | Actual  Result | Remark |
| TC 1 | Check login of User/admin | Enter Username and Password | Username=  Ashery2k@gmail.com  Password =mikhayelj | User  /Admin Sucessfully  Logged into the Web application | User /Admin  Sucessfully  Logged into the Web application | Pass |
| TC 2 | Check add to cart  Features | Click on product add to cart | Click on xyz product to add to cart | Product must be sucessfully added to cart | Product is  added to cart sucessfully | Pass |
| TC 3 | Buy  Product | Click on the button buy Product | Place order for product | Order placed must be sucessfuly | Order is  placed | Pass |

**Chapter 6**

**Results and Discussion**

**6.1 Test Reports**

The test report sums up the testing brings about an unmistakable and succinct way, permitting us to rapidly survey test results. It is a technique for correspondence between the Test Manager and the partner. The partner can perceive the item's condition and worth from the report produced at end of the testing lifecycle.

**Test report should be:**

* **Detailed**: It ought to give a point-by-point depiction of the testing action, which features the testing performed on the item. No theoretical data is remembered for this archive.
* **Clear:** The data in the test report ought to have clarity.
* **Standard:** It should follow a standardised template for the test report.
* **Specific:** The data/document should be summarized in clear and concise points.

**6.2 Project Information**

System Overview:

|  |  |
| --- | --- |
| **PROJECT OVERVIEW** | |
| Project Name | CoolIndia |
| Name of the product | CoolIndia |
| Product Description | It is an E-commerce web application used to order Air -conditioner online and have it delivered at your home. |
| **PROJECT DURATION** | |
| Start Date | **17/7/2020** |
| End Date | **08/04/2021** |

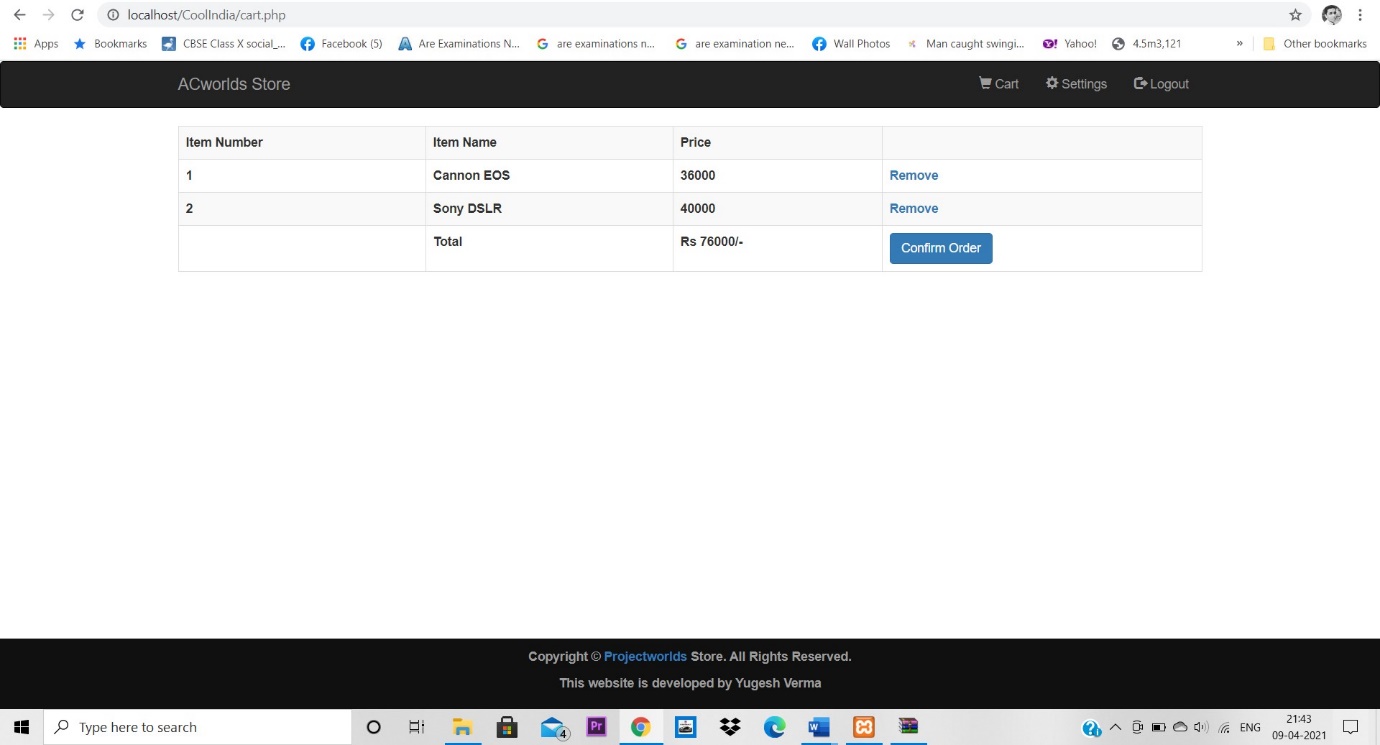
**6.3 Test Objective**

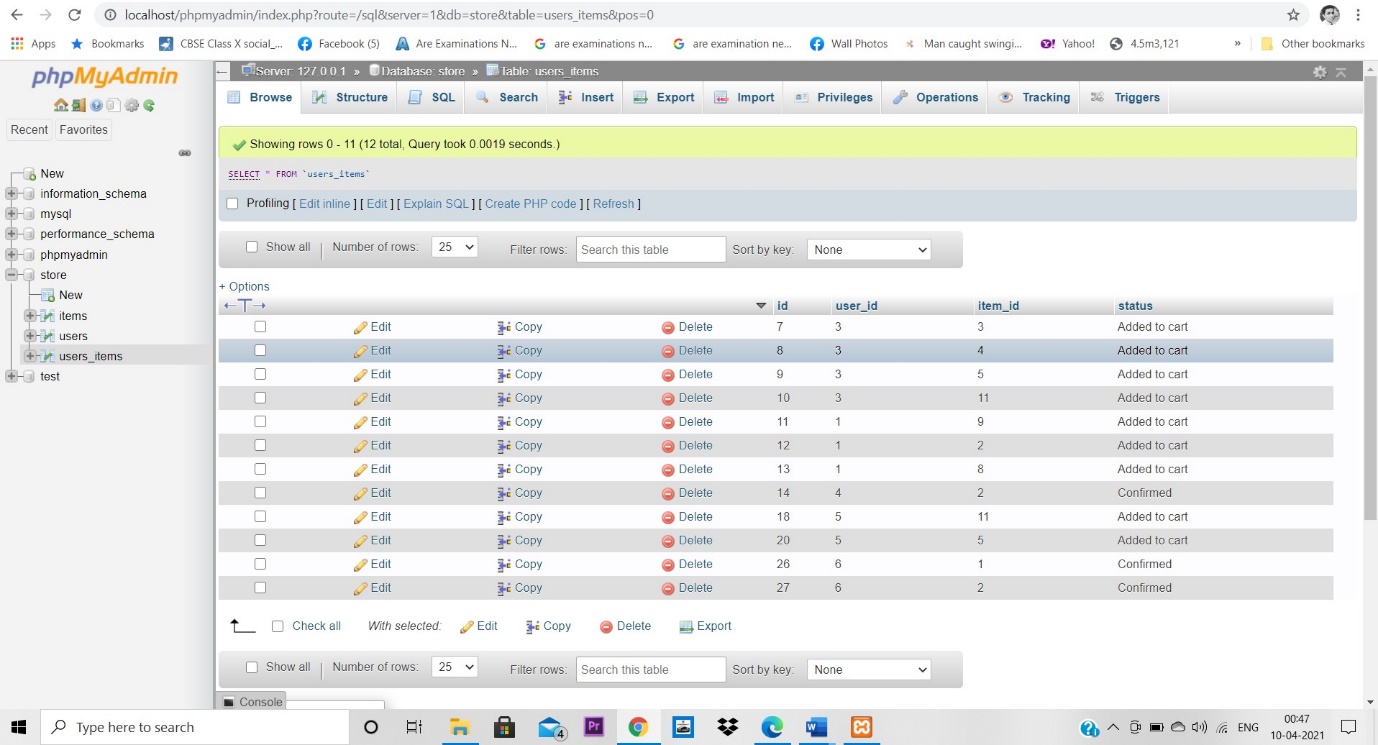
The main objective of the test case are as follows:

* To rectify system flaw at an early stage during the development process.
* To be confident in the web applications eventual outcome and execution.
* To make sure the quality of the system.

**6.4 Test Summary**

**Test 1:** Review was tested. The Review was verified with a backend database.





**Chapter 7**

**Conclusion**

**7.1 Conclusion**

* In the current age web shopping has a lot of expansion. Online shopping simplifies life and trouble free for the customers. The item thing conveyed is truly adequate, it achieved most of the customer essential, the UI is worthy and is very easy to investigate, and surprisingly novice customers can find their way around the web-application with no issue.
* This task has assisted me with acquiring information about front-end and back-end and gave me preparing for future undertakings. This has brought about me acquiring interest in web development.
* It is an easy-to-use understandable model so individuals who have put some distance between the innovation can utilize it without any problem.
* You need a decent web association and admittance to a straightforward arranged PC.

**7.2 Limitations**

* The system does not have multiple languages.
* UI (User Interface) for mobile phones has not been created yet.

**7.3 Future Scope**

* The website can be converted into an app so that it can be used like a normal application in mobile phones which will be convenient.
* Multiple languages can be used or added that more no of clients/users can use the application more easily and efficiently.
* Redeem points option can be added so that in future that the customer can redeem those points and get a discount or wave-off from the total purchase cost.
* Provide a chat box to get real time solutions/answers for customer/client’s query.
* In future if the project is a total success then we can provide with a 24/7 call assist feature within the application.

**7.4 References**

* [www.academia.edu](http://www.academia.edu)
* [www.wikipedia.com](http://www.wikipedia.com)
* [www.kashipara.com](http://www.kashipara.com)
* [www.youtube.com](http://www.youtube.com)
* [www.tutorialpoint.com](http://www.tutorialpoint.com)