

A
PROJECT REPORT
ON
“WATER FILTER WEBSITE”

SUBMITTED AS A PARTIAL REQUIREMENT
FOR THE DEGREE OF
BACHELOR OF COMPUTER APPLICATION
(B.C.A.)



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Certificate

This is to certify that the Mini Project Report entitled “Water Filter Website” have been submitted by Mr. Parmar Himanshu B. (Exam No: 4428) towards partial fulfillment of the requirement for 5th semester of Bachelor Of Computer Application (B.C.A.) for the academic year 2023-24.

Signature

Signature

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Project Guide
(Mrs. Pooja Soni)

External Examiner

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Abstract

"Water Filter Selling Website" sells Water filter items like Gas gasser, Gharghanti etc. User can Login, Register and fill form in all Pages to Contact us and try to buy any item. User can view photos of the item as well as ask related Questions.

Krishna Sales & Service has brought new models of Spun filter cartridge, Ro membrane, Pressure pump, Uv, Second filter and Water filter so that user can get Clean water and user can Drink clean water.

There are many Water Filter Selling websites available on the internet now. But there are some which provide better understanding between users and website like solving user queries, answering user queries etc.

Developing a website that solves the above problems. Through this website user can get all the information about Water filter, Gas gasser, Gharghanti.

User can visit krishna Sales & Service in Instagram and Social media for more information about product service and to watch videos of service.

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Introduction

1.1 Project Description

Water Filter Website provides the user with the facility of Water filter, Gas gehser and Gharghanti anywhere and anytime. Here user can see photos of all types of Water filter, Gas gehser and Gharghanti. If the user likes, he can fill the Contact us form or Call the mobile number of krishna Sales & Service. The purpose of developing Water filter website is that the user can get the facility of Water filter, Gas gehser and Gharghanti.

1.2 Project Profile

PROJECT TITLE	Water Filter Website
FRONT END	Html, Css, Bootstrap, Javascript, Angular js
BACK END	Php
DATA BASE	Mysql
PROJECT DURATION	2/5 Month
INTERNAL GUIDE	Mrs. Pooja Soni

Environment Description

2.1 Hardware and Software Description

➤ Here are the recommended specification of require software to develop the system.

Hardware Requirement

Processor	Intel(R) Core(TM) i5-6300U CPU @ 2.40GHz 2.50 GHz
Memory	8 GB
Hard Disk	240 GB

Software Requirement

Operating System	Microsoft Windows 10
Frontend	Vscode
Backend	Phpmyadmin
Scripting Language	JavaScript
Date Base	Mysql

2.2 Technology Used

Technology Used

Frontend	Html, Css, Bootstrap, Javascript, Angular js
Backend	Php
Scripting Language	JavaScript
Data Base	Mysql

System Analysis

3.1 existing system and its drawback

➤ Existing System And its Drawbacks

- **Existing System**

- When the admin goes into the system, the admin can only check the contact list and change the contact status of the users, where the admin can't change the category and add new products but the admin can't change the access.
- Once the user is logged in, the user can fill out the contact us form. User cannot fill contact us form if user is not logged in. Feedback not available.

- **Drawbacks**

- In the admin panel, whenever the admin login there, the admin can only show the contact list of the users. The only thing an admin can do is that he/she can only change the status of a contact.
- When user logs in, he/she can not change/modify his/her profile or cannot change/update the login details.

3.2 Feasibility Study

➤ **The feasibility study is an important phase during the development of any project, its goal is to determine whether the project is doable or not.**

1. Technical Feasibility

- Creating a specialized website focusing on water filter technology is technically feasible.
- You'd need to design the site, implement features like product listings, educational content, user interfaces, and possibly e-commerce capabilities for purchasing filters.
- It would also involve server setup, database management, and ensuring security measures for.
- Tailoring the content and design to the water filter niche will be essential for user engagement and success.
- Integrating databases of water filter products, their specifications, and user reviews could enhance the site's value.
- You'd need to focus on informative content, user-friendly interface, and possibly interactive tools to help users choose the right water filter based on their needs.

Proposed System

4.1 Scope

➤ Aim of The System

- A water filter specialization website aims to provide detailed information, resources, and products related to water filtration.
- It may focus on educating users about various types of water filters, their features, benefits, installation guides, maintenance tips, and help users choose the right filter for their specific needs.

➤ Scope of System

- The scope of the water filter specialization system involves providing a comprehensive platform that caters to various aspects related to water filtration and purification.

4.2 Project Modules

- Visitor
- Admin

4.3 Module Wise Objectives

➤ Visitor –

- Shows their products after login.
- Visitor can view category and its products.

➤ **Admin –**

- Only admin can view in admin portal.
- Only admin can view and control product categories (coming soon)

4.4 Expected Advantages

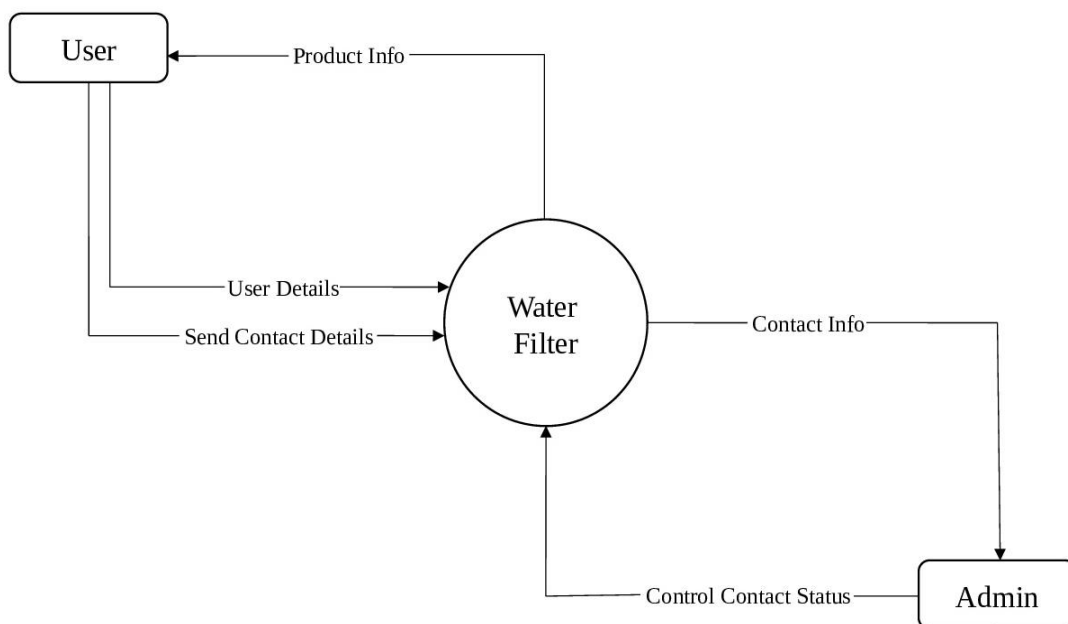
➤ **Easy to browse –**

- Creating a specialized water filter website with an emphasis on easy browsing offers several advantages.
- It enhances user experience, increases user engagement, improves accessibility, boosts conversion rates, and establishes credibility by showcasing expertise in water filtration products and information.

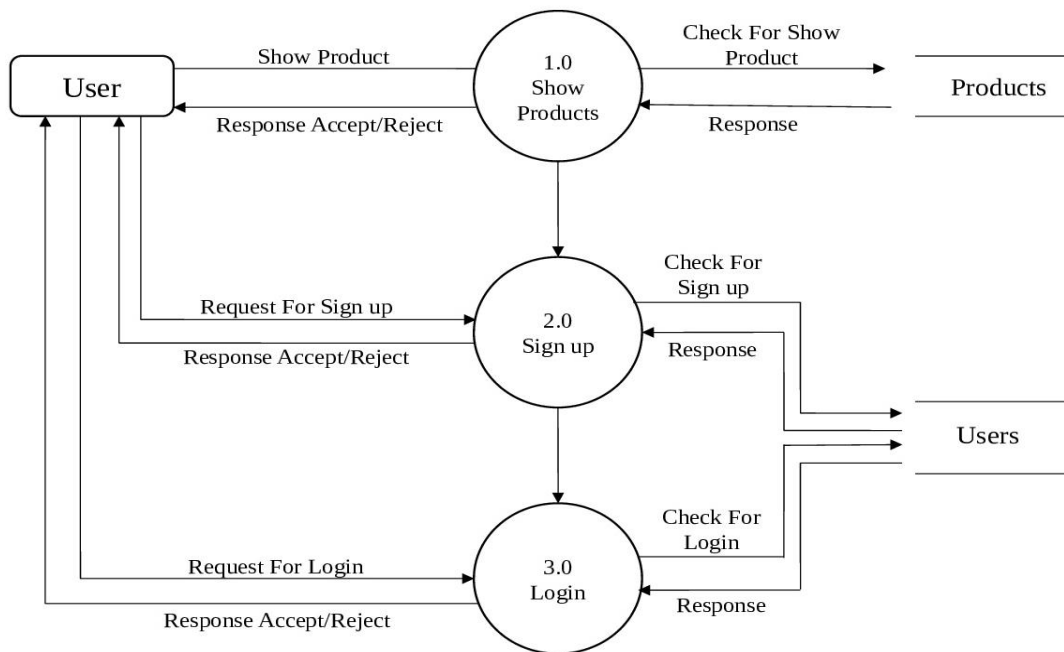
Detail Planning

5.1 Data Flow Diagram

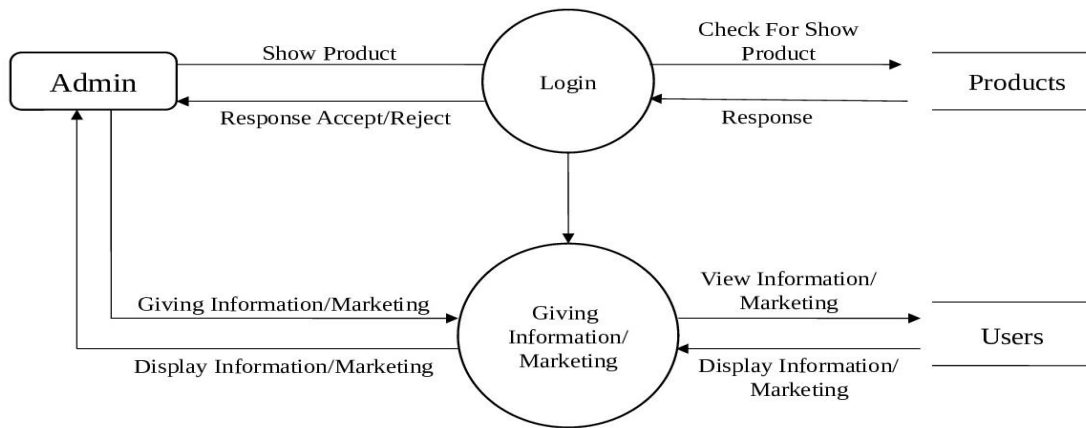
➤ 0 level – Context level



➤ 1 level – User



➤ 2 level – Admin

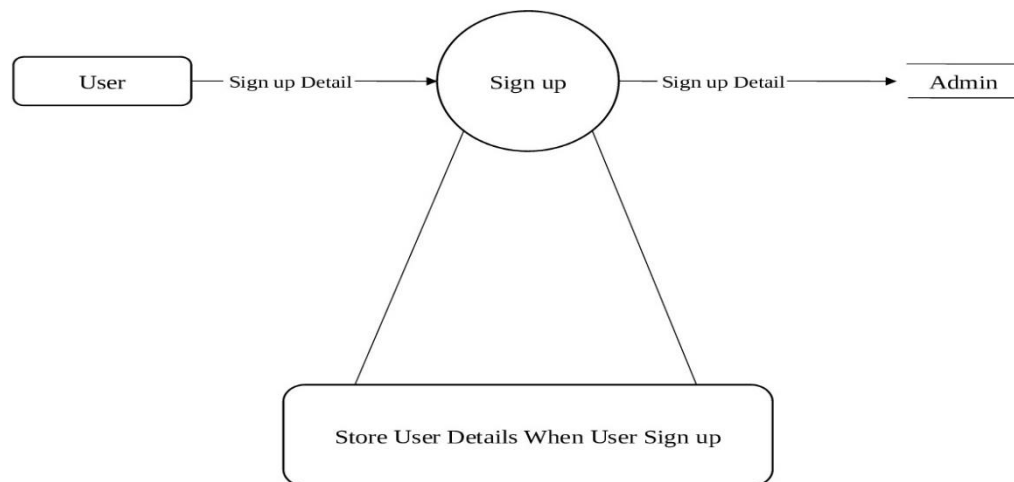


5.2 Process Specification

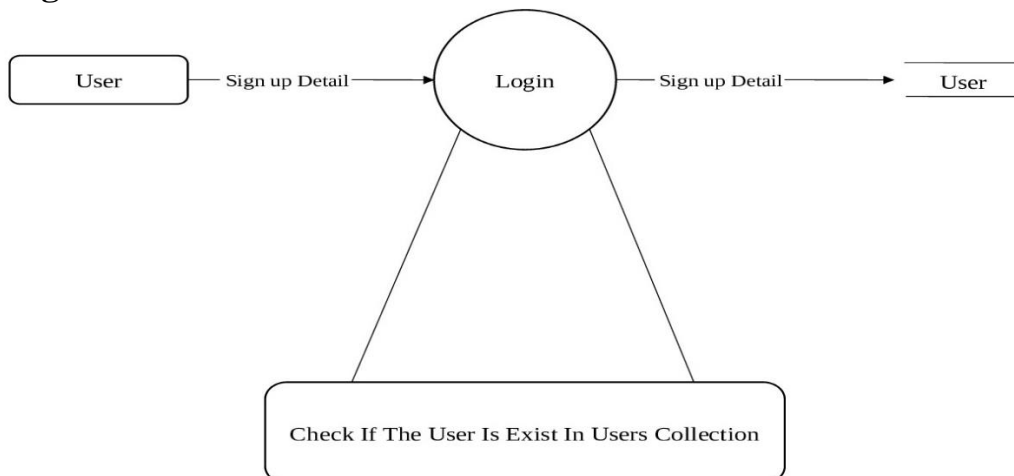
- A process specification is a method used to document, analyze and explain the decision-making logic and formulas used to create output making logic and formulas used to create output data from process input data.

✚ its objective is to flow down and specify regulatory engineering requirements and procedures.

➤ Sign up Process



➤ Login Process



5.3 Data Dictionary

➤ **User:**

Name	User
Alias	Null
Where used/ How used	To store user's information
Description	Auto-incr object id

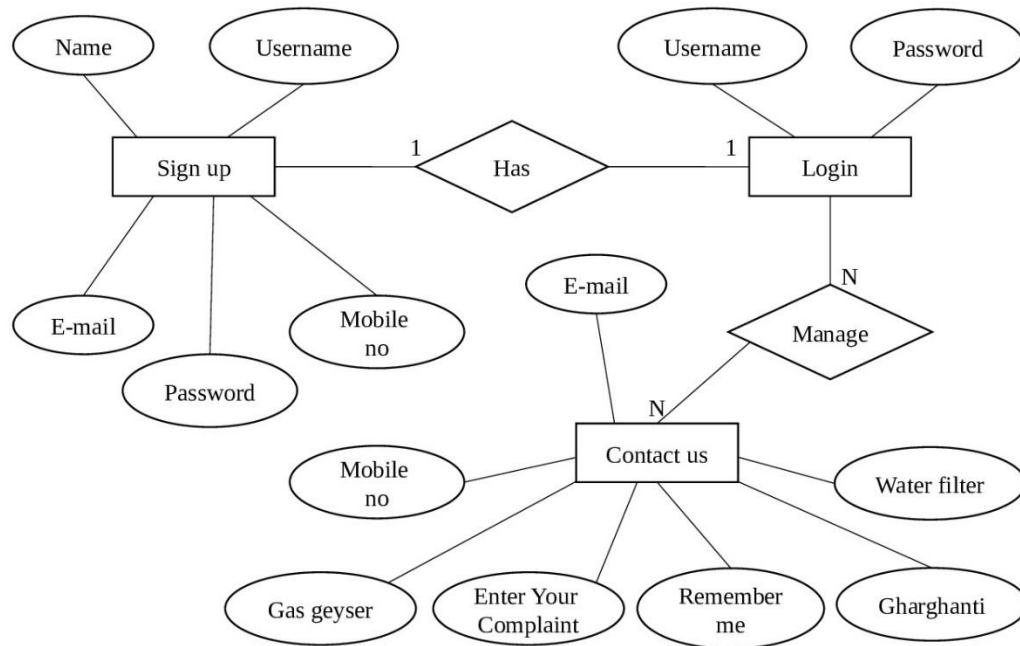
➤ **Product:**

Name	Product
Alias	Null
Where used/ How used	To water filter & Gharghanti detail
Description	Auto-incr object id

➤ **Contacts:**

Name	Contacts
Alias	Null
Where used/ How used	To customer's contacts list
Description	Auto-incr object id

5.4 Entity-Relationship diagram



System Design

6.1 Input Design

➤ Login:

```
<form method="post" name="loginform" onsubmit="return validateform()">
  <h2><u>Login form</u></h2>
  <br>
  Username:
  <input type="text" placeholder="Username" name="username">
  <br>
  <br>
  Password:
  <input type="password" placeholder="* * * * *" name="password">
  <br>
  <br>
  <a class="text-dark" href="#">Forget password?</a>
  <br>
  <br>
  <button class="btn btn-primary" type="submit" value="submit" name="submit">
    Login</button>
  <button class="btn btn-danger" type="reset" value="reset">Reset</button><br><br>
  <p>Not registred yet ?<a href="s1.php"> Register Here.</a></p>
</form>
```

➤ Login Control:

```
<?php
include 'connect.php';
if(isset($_POST['submit'])){
    $username=$_POST['username'];
    $password=$_POST['password'];
    $result=mysqli_query($con, "SELECT * FROM signup WHERE username='$username'");
    $row=mysqli_fetch_assoc($result);
    if(mysqli_num_rows($result) > 0){
        if($password == $row["password"]){
            $_SESSION["login"]=true;
            $_SESSION["id"]=$row["id"];
            echo"<script> alert('Login Successfully')</script>";
            header("Location: index.php");
        }
        else{
            echo"<script> alert('Wrong Password'); </script>";
        }
    }
    else{
        echo"<script> alert('User Not Registered'); </script>";
    }
}
?>
```

```
<script>
function validateform() {
    var username = document.loginform.username.value;
    var password = document.loginform.password.value;
    if (username == null || username == "") {
        alert("Username can't be blank");
        return false;
    }
    else if (password.length < 6) {
        alert("Password must be at least 6 characters long.");
        return false;
    }
}
</script>
```

➤ Sign up:

```
<form name="signupform" method="post" onsubmit="return validateform()">
  <h2><u>Sign-up form</u></h2>
  <br>
  Name:
  <input type="text" placeholder="Name" name="name">
  <br><br>
  Username:
  <input type="text" placeholder="Username" name="username">
  <br><br>
  E-mail:
  <input type="email" placeholder="abc@gmail.com" name="email">
  <br><br>
  Password:
  <input type="password" placeholder="* * * * *" name="password">
  <br><br>
  Mobile No:
  <input type="tel" placeholder="00000 00000" name="mobilenno">
  <br><br>

  <button class="btn btn-primary" type="submit" value="submit" name="submit">Sign up</button>
  <button class="btn btn-danger" type="reset" value="reset" name="reset">Reset</button><br><br>
  <p>Already a member? <a href="login.php">Login</a></p>
</form>
```

➤ Sign up control:

```
<?php
    include 'connect.php';

    if(isset($_POST['submit'])){
        $name=$_POST['name'];
        $username=$_POST['username'];
        $email=$_POST['email'];
        $password=$_POST['password'];
        $mobilenumber=$_POST['mobilenumber'];

        $sql="insert into `signup` (name,username,email,password,mobilenumber)
        values('$name','$username','$email','$password','$mobilenumber')";
        $result=mysqli_query($con,$sql);
        if($result){
            echo"<script> alert('Sign-Up Successfully')</script>";
        }else{
            die(mysqli_error($con));
        }
    }
?>
```

```
<script>
    function validateform() {
        var name = document.signupform.name.value;
        var username = document.signupform.username.value;
        var email = document.signupform.email.value;
        var password = document.signupform.password.value;
        var mobileno = document.signupform.mobileno.value;
        if (name == null || name == "") {
            alert("Name can't be blank");
            return false;
        }
        else if (username == null || username == "") {
            alert("Username can't be blank");
            return false;
        }
        else if (email == null || email == "") {
            alert("E-mail can't be blank");
            return false;
        }
        else if (password.length < 6) {
            alert("Password must be at least 6 characters long.");
            return false;
        }
        else if (mobileno.length != 10) {
            alert("mobile number should be of 10 digits!");
            return false;
        }
    }
</script>
```

➤ Product:

```
<div id="mycarousel" class="carousel slide" data-ride="carousel">
  <div class="carousel-inner">
    <div class="carousel-item active" data-interval="1000">
      
    </div>
    <div class="carousel-item" data-interval="1000">
      
    </div>
    <div class="carousel-item" data-interval="1000">
      
    </div>
    <div class="carousel-item" data-interval="1000">
      
    </div>
    <div class="carousel-item" data-interval="1000">
      
    </div>
    <div class="carousel-item" data-interval="1000">
      
    </div>
    <div class="carousel-item" data-interval="1000">
      
    </div>
    <div class="carousel-item" data-interval="1000">
      
    </div>
    <div class="carousel-item" data-interval="1000">
      
    </div>
  </div>
```

```

<div class="carousel-item" data-interval="1000">
  
</div>
<div class="carousel-item" data-interval="1000">
  
</div>
<div class="carousel-item" data-interval="1000">
  
</div>
<div class="carousel-item" data-interval="1000">
  
</div>
<div class="carousel-item" data-interval="1000">
  
</div>
<div class="carousel-item" data-interval="1000">
  
</div>
</div>
</div>
<div class="container my-4 my-5">
  <div class="row featurette d-flex justify-content-center align-items-center" style="border: double black;">
    <div class="col-md-7">
      <strong class="d-inline-block mb-2 text-primary">World</strong>
      <h3 class="mb-0">Krishna Sales & Service Detail's</h3>
      <div class="mb-1 text-muted">Aug 26</div>
      <p class="mb-auto">Krishna Sales & Service Best Service of Water Filters, Gas Geyser & Gharghanti.</p>
      <a href="#" class="stretched-link">Continue reading</a>
    </div>
    <div class="col-md-5">
      <div class="inner" ng-init="myvar = 'img/home/kss2.png'">

```



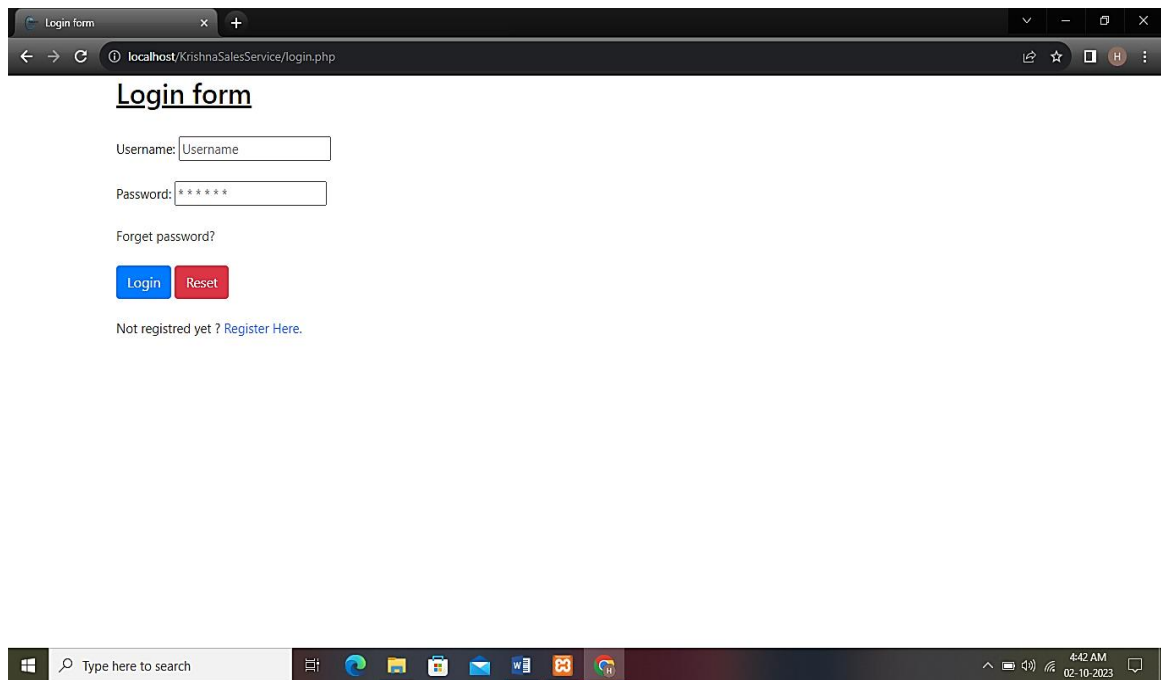
```

        
    </div>
</div>
</div>
<br>
<div class="row featurette d-flex justify-content-center align-items-center" style="border: double black;">
    <div class="col-md-7 order-md-2">
        <strong class="d-inline-block mb-2 text-success">World</strong>
        <h3 class="mb-0">Jagruti Company Detail's</h3>
        <div class="mb-1 text-muted">Nov 26</div>
        <p class="mb-auto">The Makers of India's No.1 Atta Chakki.</p>
        <a href="#" class="stretched-link">Continue reading</a>
    </div>
    <div class="col-md-5 order-md-1">
        <div class="inner" ng-init="myvar1 = 'img/home/jagruti1.jpg'">
            
        </div>
    </div>
</div>
</div>

```

6.2 Output Design

➤ Login:

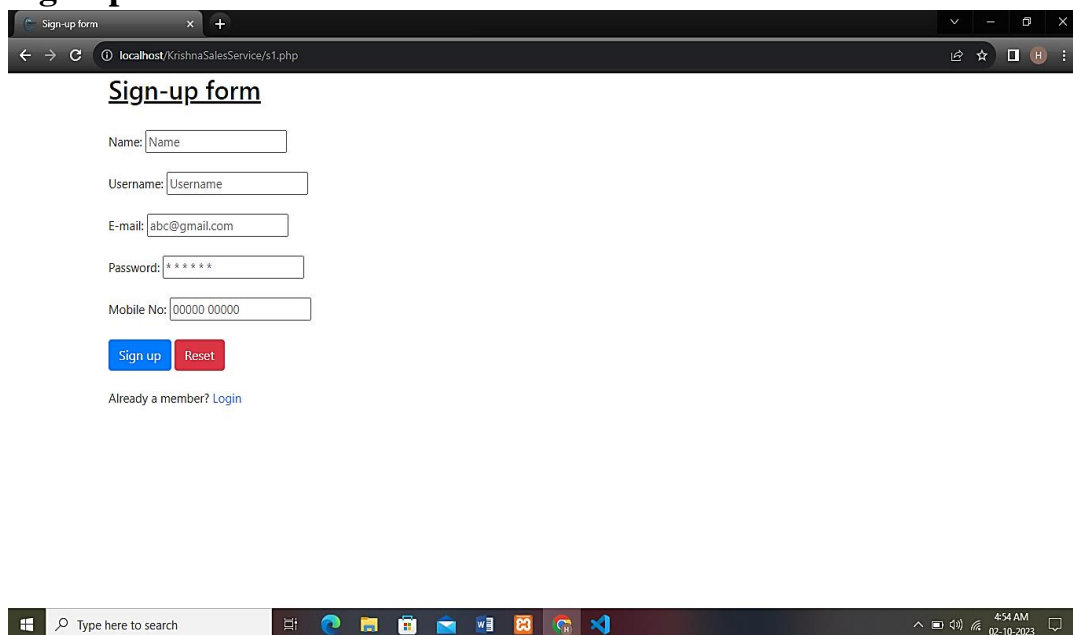


The screenshot shows a web browser window with the address bar displaying "localhost/KrishnaSalesService/login.php". The page title is "Login form". The form contains the following elements:

- Username:
- Password:
- Forget password?
- Login button (blue)
- Reset button (red)
- Not registered yet ? [Register Here.](#)

The Windows taskbar at the bottom shows the search bar and various application icons. The system clock indicates 4:42 AM on 02-10-2023.

➤ Sign up:

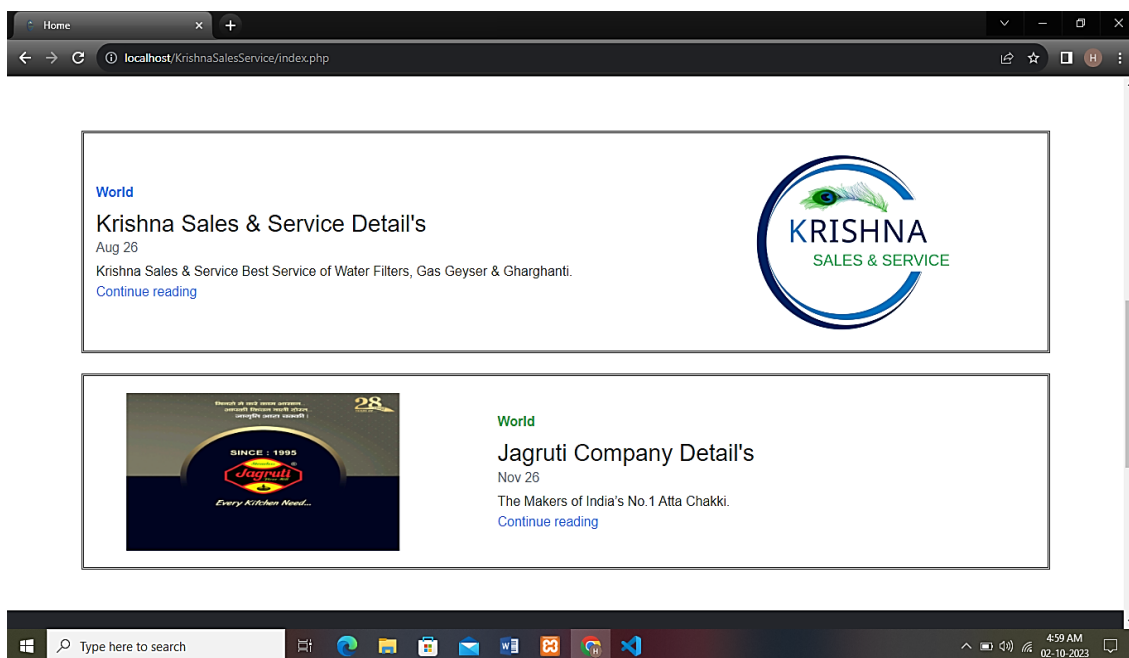
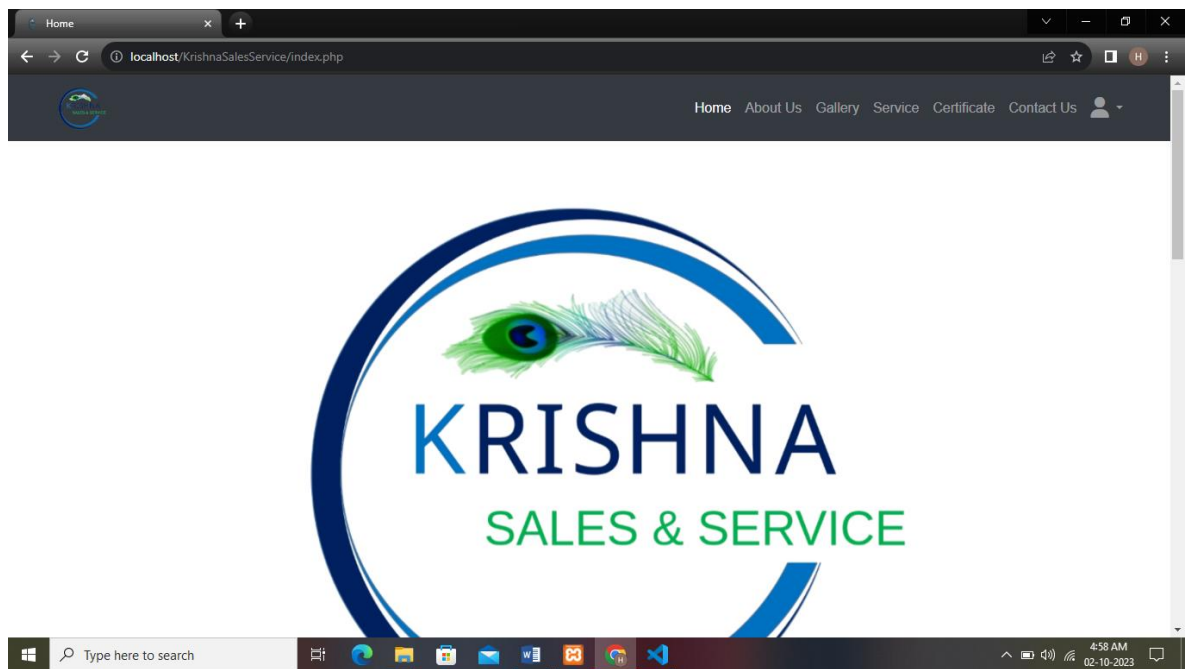


The screenshot shows a web browser window with the address bar displaying "localhost/KrishnaSalesService/s1.php". The page title is "Sign-up form". The form contains the following elements:

- Name:
- Username:
- E-mail:
- Password:
- Mobile No:
- Sign up button (blue)
- Reset button (red)
- Already a member? [Login](#)

The Windows taskbar at the bottom shows the search bar and various application icons. The system clock indicates 4:54 AM on 02-10-2023.

➤ **Product:**



Limitation and Future Scope of Enhancements

- Water filter is a service to provide to users which connects to users through web application, here user can browse according to his choice if user like any water filter then user can fill contact us form.
- Currently in this system the user can take advantage of knowing the information about the water filter only.
- In future this system will provide add to cart and payment facilities, and will focus on user security.
- In admin panel, admin can only change or edit user's contact us status, he can't add any new product. These facilities will also be provided in future.

References

➤ **Sites Url:**

<https://www.php.net>

<https://www.w3schools.com/php/>

