



**JAIN**  
DEEMED-TO-BE UNIVERSITY

FACULTY OF  
ENGINEERING  
AND TECHNOLOGY

# Department of Computer Science and Engineering

Global Campus, Jakkasandra Post, Kanakapura Taluk, Ramanagara District, Pin Code: 562 112

**2022-2023**

Web technology project  
on

## **“DEALS WEBSITE”**

Submitted in partial fulfilment for the award of the degree of

**BACHELOR OF TECHNOLOGY IN  
COMPUTER SCIENCE AND ENGINEERING**

Submitted by

**PRAJWOL GIRI  
USN:20BTRCO027**

**SAYUJAYA SHARMA  
USN:20BTRCS172**

**SAGAR KUMAR SHAH  
USN:20BTRCS191**

**AMRIT KUMAR MAHATO  
USN:20BTRCS184**

Under the guidance  
of

**Dr. RAVI LANKE**

Professor/Associate/Assistant Professor  
Department of Computer Science &  
Engineering  
Faculty of Engineering & Technology  
**JAIN (DEEMED TO BE) UNIVERSITY**

# Department of Computer Science and Engineering

Global Campus, Jakkasandra Post, Kanakapura Taluk, Ramanagara District, Pin Code: 562 112

## CERTIFICATE

This is to certify that the project work titled “Deals Site” is carried out by **Prajwol Giri(20BTRCO27)**, **Sagar Kumar Shah (20BTRCS191)**, **Amrit Kumar Mahato (20BTRCS184)**, **Sayujaya Sharma (20BTRCS172)**, a bonafide students of Bachelor of Technology at the **Faculty of Engineering & Technology, Jain (Deemed-to-be) University, Bangalore** in partial fulfillment for the award of degree in Bachelor of Technology in **Computer Science & Engineering**, during the year **2022-2023**.

|   |   |   |
|---|---|---|
| <b>Prof. RAVI LANKE</b>   | <b>Dr. MAHESH TR</b>  |   |
| <b>Subject Expert</b><br>Dept. of CSE,<br>Faculty of Engineering &<br>Technology,<br>Jain (Deemed-to-be) University<br>Date: 28-11-2022 | <b>Program Head</b><br>Dept. of CSE,<br>Faculty of Engineering &<br>Technology,<br>Jain (Deemed-to-be) University<br>Date: 28-11-2022 | <b>Reviewer</b><br>Faculty of CSE,<br>Faculty of Engineering &<br>Technology,<br>Jain (Deemed-to-be) University<br>Date: 28-11-2022 |

## DECLARATION

We, **Prajwol Giri (20BTRCO027), Sagar Kumar Shah (20BTRCS191), Sayujaya Sharma(20BTRCS172), Amrit Kumar Mahato(20BTRCS182)**, are student's of 5<sup>th</sup> semester B.Tech in **Computer Science & Engineering**, at Faculty of Engineering & Technology, **Jain (Deemed-to-be) University**, hereby declare that the project titled "**Title**" has been carried out by us and submitted in partial fulfillment for the award of degree in **Bachelor of Technology in Computer Science & Engineering** during the academic year **2022-2023**. Further, the matter presented in the project has not been submitted previously by anybody for the award of any degree or any diploma to any other University, to the best of our knowledge and faith.

| Student Name                     | Presentation(10) | Implementation(10) | Viva(5) |
|----------------------------------|------------------|--------------------|---------|
| PRAJWOL GIRI<br>20BTRCO027       |                  |                    |         |
| SAYUJAYA SHARMA<br>20BTRCS172    |                  |                    |         |
| SAGAR KUMAR SHAH<br>20BTRCS191   |                  |                    |         |
| AMRIT KUMAR MAHATO<br>20BTRCS184 |                  |                    |         |

Place : Bangalore

Date :2022/11/25

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First, we take this opportunity to express our sincere gratitude to Faculty of Engineering & Technology, Jain Deemed to be University for providing us with a great opportunity to pursue our Bachelor's Degree in this institution.

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We would like to thank our guide Dr/Prof **Ravi Lanke**, Professor/Associate professor/ / Assistant Professor, **Dept. of Computer Science & Engineering**, Jain (Deemed-to-be) University, for sparing his valuable time to extend help in every step of our project work, which paved the way for smooth progress and fruitful culmination of the project.

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**PRAJWOL GIRI**

**SAYUJAYA SHARMA**

**SAGAR KUMAR SHAH**

**AMRIT KUMAR MAHATO**

*Signature of Students*  
**Digital Signature**

# ABSTRACT

Time is the most precious thing .Everything in this world is turning its way to the digital side. Ecommerce is gaining its popularity. Due to fact it is less time consuming and somewhat cheap than the real market various ecommerce site are setting their hype. Different examples are Amazon, Walmart , Flipkart , BestBuy , AliExpress etc. Having many ecommerce site also creates a problem for a general users like different options for the same product and different price range in different sites and suppliers. This creates hectic situation for the general users .They are unable to get Good Product , Good deals with their valuable money and most important their time will also be wasted. For such Problem we are here for solution a Deal showing website which shows the deal of the desired products from the user in the current period and helps the user to save their valuable money and time. A favorable and simple user interface is provided to the users. The perfect Bargains , Deals are guaranteed by this site to the users .

**KEYWORDS** : E-commerce site ,Deals, Bargain, Time ,Money.

## Introduction

### 1.1 Background

In this Era Due to advancement in technologies everything is digitalize so is in the markets. Market has also turned its way in the digital platform through ecommerce. Many ecommerce giant provide their service in their digital market which is making peoples life easy .There is competition among those ecommerce giant and other digital market service provider regarding deals and product

The purpose of this website is to provide a platform where the users can get the best deals for their desired product. So here Deals websites come into its role. Deals website is simple website that shows the ongoing deal going on in different ecommerce site of a desired product and saves the time and money of the user. It is very essential for the general people who believes in saving and finds the best bang for the buck. With a simple user interface the real time deals are shown in the website. This allows the efficient use two must valuable thing in this 21<sup>st</sup> century I.e time and money.

User can register on the website and check the best deals which is going on in the market (real time), can select the deals that they want to grab and they are taken to the page from where they can buy the product . For example MacBook air price is \$1100 the same laptop can be in sale in different place with a slight change in the price. If amazon has black Friday sale and same laptop (MacBook air ) is in \$1000 Deals website shows that deal to the users with their original price as

well as discounted price. If the user is interested to grab that deal he/she is directed to amazon (in case of the example above ) and customer can get that deal. In additions for the user this website does the work if the new deals are there this website informs the user via email.

## 1.2. Motivations For The Project

- There is no proper and genuine website to show the best deal ,sale which is going in the market .
- Most of the customers are looking for the deals , searching each sites each place so that they can save their money. No proper and genuine bridge to solve this issue.
- This system offers a user friendly and simple interface that helps the general public to provide reliable ,fast ,trust worthy and effective service.
- This system works as a bridge for the customers to save their time and money and get a fluent experience in the ecommerce platform.

## 1.3 Literature Review/Market Survey

We read some articles on the internet, in that, we see some issues in the system are as following

### Existing System

Still people use different super market for shopping. They go to different store compare prices and buy the product. They wonder for deals here and there. They find this more promising and choose this system over ecommerce site. But the trend is changing and people are shifting towards the online shopping like

- Amazon
- Flipkart
- Walmart
- BestBuy etc..

With the change in time people need some changes in technology and a new trend for comfort and time saving promises .They wonder for deals site where they are shown with the latest deal about their related product.

### Emerging System

In market different sites who shows the current deal in the market are emerging. The sites below does the work.

- Tech Bargains
- Snap Deal

- Gaming laptop deals
- Ben's bargains
- Deal catcher

The system use the web scraping method and various algorithm for AI and machine learning to find out the deals and the deals are shown to the user via website.

## 1.4 Methodology

### Proposed System

Our project is based on the emerging system ,current trends in ecommerce site related to deals.

For our promising work in our project our proposed system is based upon the user interface which description is described below:

#### -Login activity

A login is the entering of identifier information into this system by a user in order to access application. Login page requires user to enter following instruction:

- Username
- Password
- Don't have an account option (redirect the user to the sign up page)

#### -Sign up page(Registration activity)

Registration is signing up for using this application. User can register in the website via providing his data to the website . The data are stored in the database server of the website(i.e. in cloud) the data the user gives is fully protected and encrypted. Data includes:

- Email for the website(Username)
- Password
- Agreement box for the terms and condition of the website.
- Register with google account
- Already have an account? ---> Login box

#### -Home Page

Home page is the first page of the website where the starting face of website is shown. While searching for our website www. Deals.com in the World Wide Web. Our home page consists of

all the allies of the function in forms of buttons which redirects to the different functionality of the website. The home page contains:

- Login
- Sign up
- Product page
- About
- Trending deals in the market glimpse

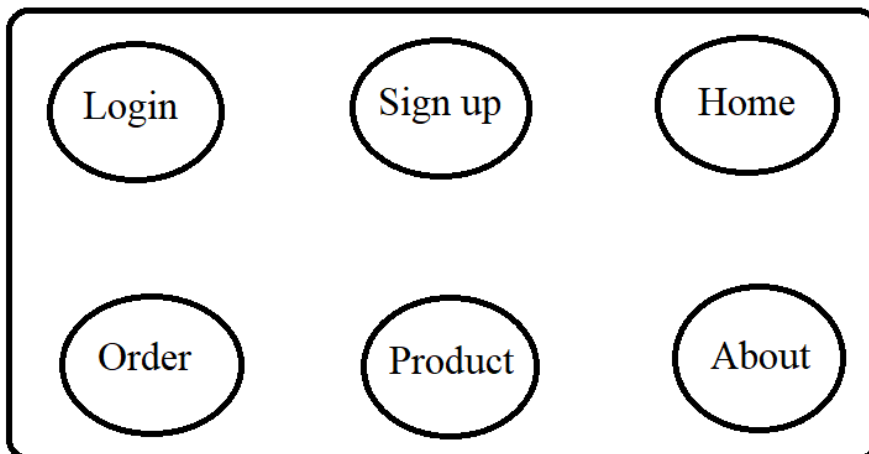
-Product page

Product page is the heart of our website where we can showcase the products that are available for buy. In this page users can view several products. If they liked or want any product they can also buy it by clicking the Buy button.

-About us

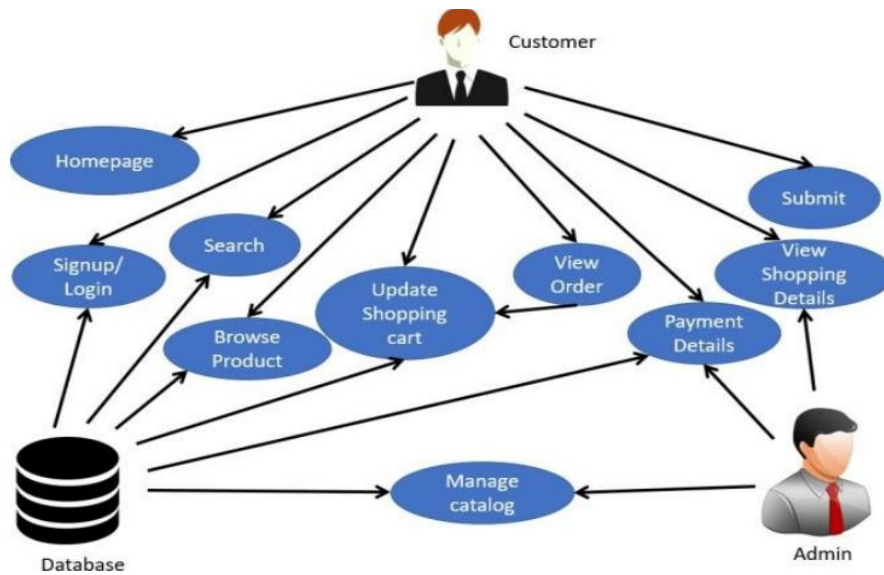
In this page a brief introduction is being given to the user about the website and the company. Here users will come to know actually who we are, what we do. This page basically reflects the purpose and perspective of our website.

## Modules

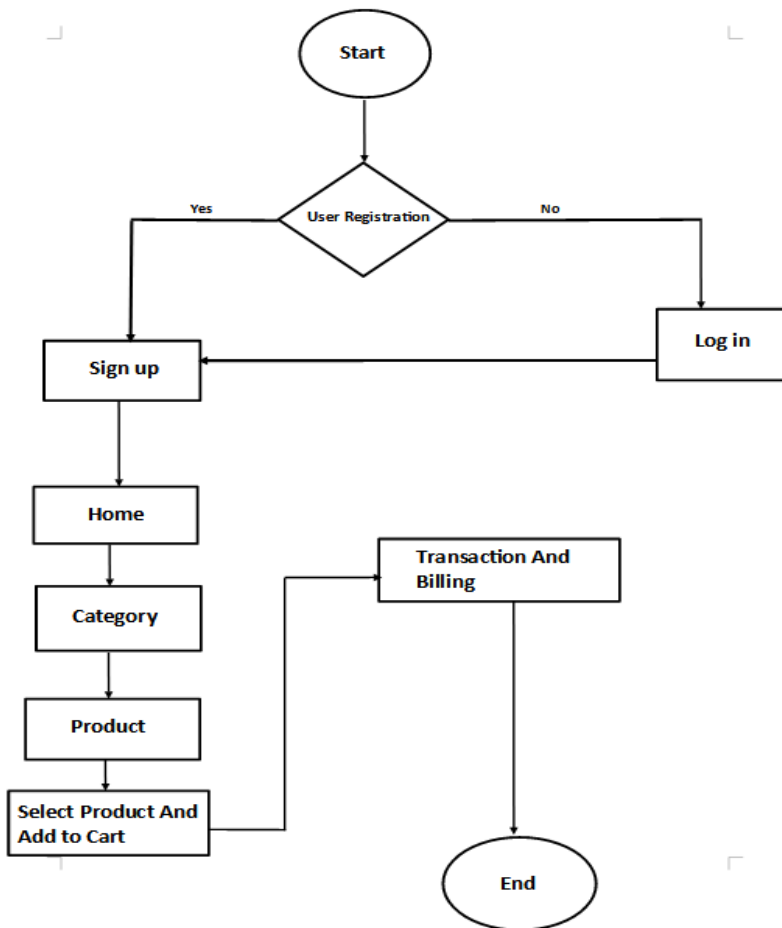


- Use Case Diagram of Website





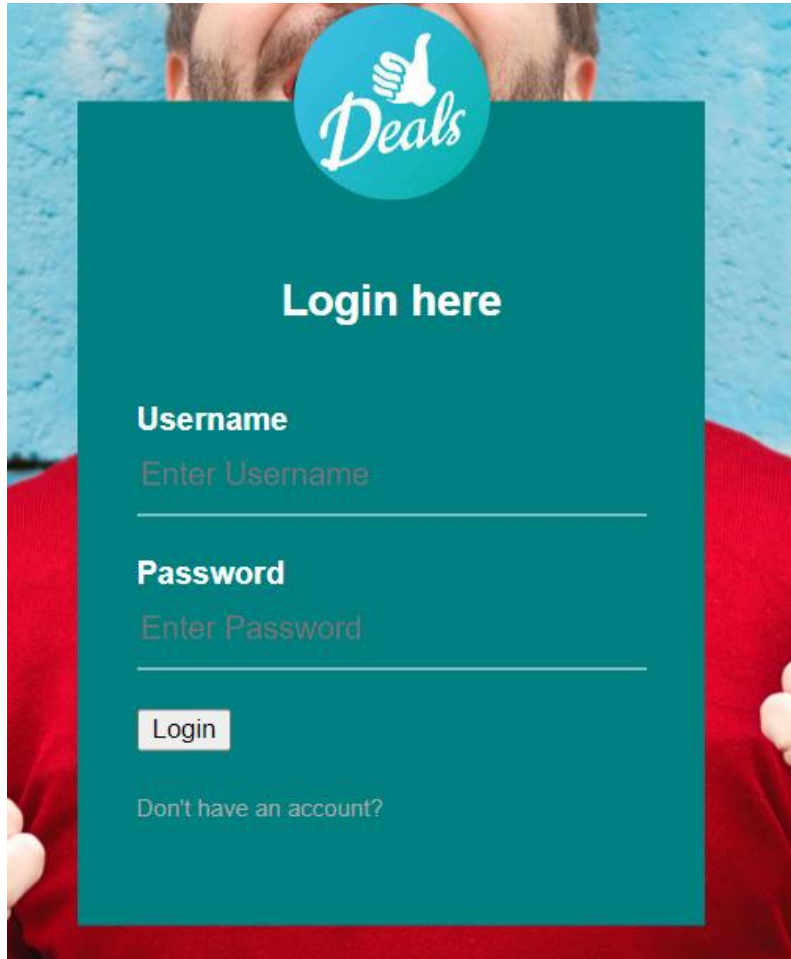
- Flowchart of the website



## Result


### -Login Page

Here we have a login page for our website. It basically fetches data like username and password from the database in order to make a user login. We have created this login page with the help of HTML, CSS for the front end and for the backend we have implemented PHP using Xampp as the local host.



### -Sign up Page

For new users we have a Sign up page where they will insert their new username and password. After inserting that the data is going to be stored in the database and later the user can fetch the data from the database in order to access the products. We have created this page with HTML and CSS for the front end and PHP for the backend.



## Sign Up Now

☐ I agree to the term of services

Sign up

OR

Register with Google account

Already have an account? [Log In](#)

### -Home Page

Here after creating account and after login the user can visit home page as well as the product page in home page the user will explore our website. Again for home page we have used HTML , CSS and JavaScript.



[Home](#) [Product](#) [About](#) [Sign up](#) [Login](#) [Logout](#)

**Save your bucks  
With the best Deals!!**

Knock Knock deal is here...

[Click it](#)



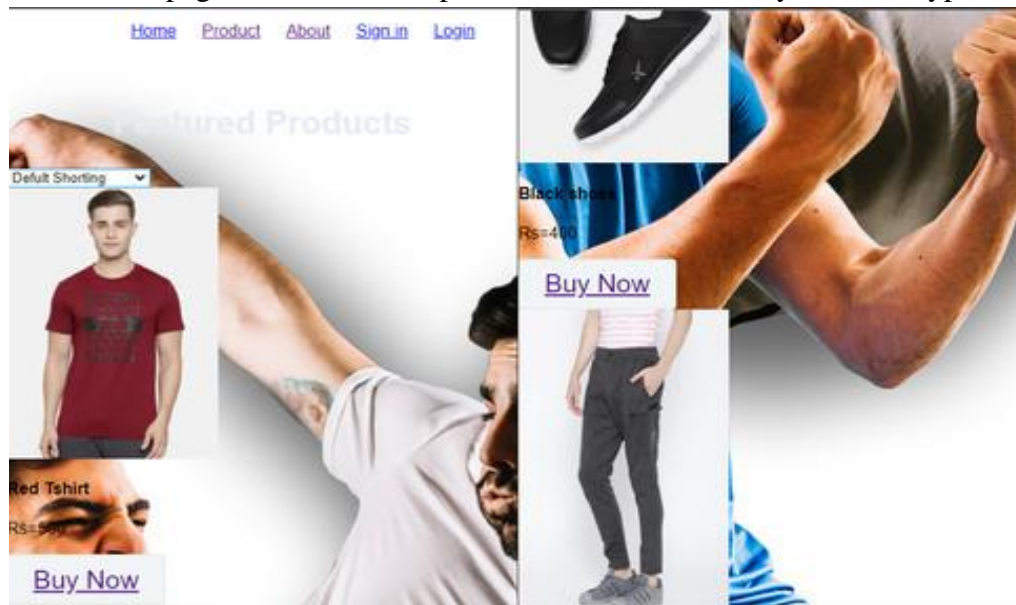
## -About us

Here in about us we have described about our website.

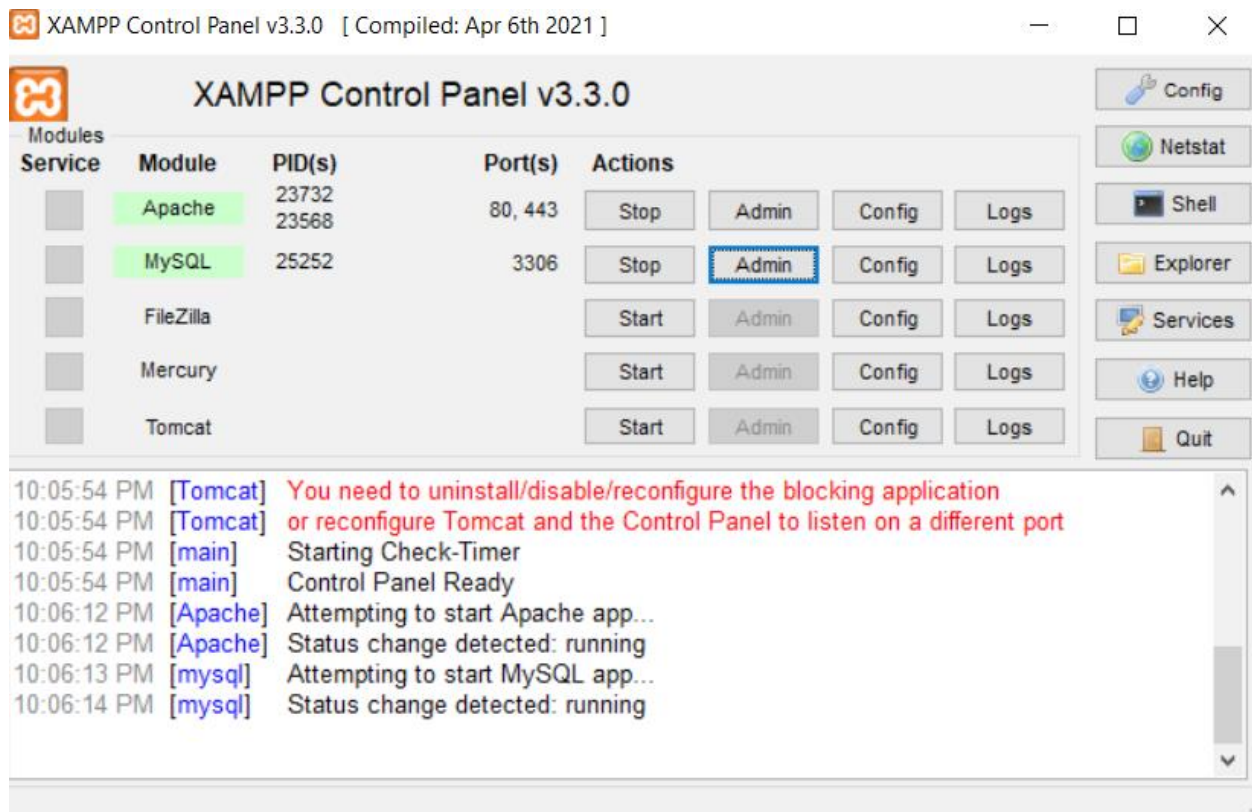


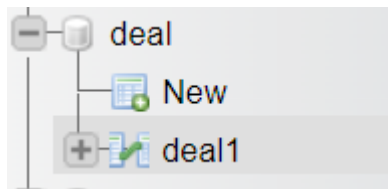
## -Product page

Here in this page we have shown product where user can buy different types of product , stuffs.



## Xampp Section





Server: 127.0.0.1 » Database: deal » Table: deal1

[Browse](#) [Structure](#) [SQL](#) [Search](#) [Insert](#) [Export](#) [Import](#) [Privileges](#) [Operations](#) [Tracking](#) [Triggers](#)

Showing rows 0 - 8 (9 total, Query took 0.0005 seconds.)

`SELECT * FROM `deal1``

☐ Profiling [\[ Edit inline \]](#) [\[ Edit \]](#) [\[ Explain SQL \]](#) [\[ Create PHP code \]](#) [\[ Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

|   | sno | username           | password   | Date                |
|---|-----|--------------------|------------|---------------------|
| <input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> | 1   | prajwol giri       | prajwol123 | 2022-11-07 09:27:12 |
| <input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> | 2   |                    |            | 2022-11-07 09:32:42 |
| <input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> | 3   |                    |            | 2022-11-07 09:36:23 |
| <input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> | 4   | Amrit              | random1234 | 2022-11-07 09:50:36 |
| <input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> | 5   | sayujaya@gmail.cpm | random     | 2022-11-07 09:53:48 |
| <input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> | 6   | sagar@gmail.com    | 123456     | 2022-11-07 10:07:57 |
| <input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> | 7   | sagar@gmail.com    | 123456     | 2022-11-07 10:08:44 |
| <input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> | 8   | nikhil@gmail.com   | 12345456   | 2022-11-07 10:09:54 |
| <input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> | 9   | sankalpa@123       | 123456789  | 2022-11-07 22:10:29 |

☐ Check all | With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

| #                          | Name     | Type        | Collation          | Attributes | Null | Default             | Comments | Extra          | Action   |
|----------------------------|----------|-------------|--------------------|------------|------|---------------------|----------|----------------|--|
| <input type="checkbox"/> 1 | sno      | int(3)      |                    |            | No   | None                |          | AUTO_INCREMENT | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> 2 | username | varchar(50) | utf8mb4_general_ci |            | No   | None                |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> 3 | password | varchar(30) | utf8mb4_general_ci |            | No   | None                |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> 4 | Date     | datetime    |                    |            | No   | current_timestamp() |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |

# Code section

## -Sign-up

```
<?php
$servername="localhost";
$username="root";
$password="";
$dbname="deal";
$conn=new
mysqli($servername,$username,$password, $dbname);
if($conn->connect_error){
    die("connection failer".$conn->connect_error);
}
echo "connected successfully";
if($_SERVER["REQUEST_METHOD"] == "POST"){
    $username=$_POST["username"];
    $password=$_POST["password"];
    $sql=" INSERT INTO deal1( username, password) VALUES ( '$username', '$password')";
    $inserted = $conn->query($sql);
    if($inserted == TRUE){
        header("Location: /LOGIN & REGISTER BY ME/login.html");
        echo "Inserted" ;
    } else {
        echo "Error : ".$sql."<br>".$conn->error;
    }
}??>
```

## -Login

```
<?php
session_start();

$servername="localhost";

$username="root";

$password="";

$dbname="deal";

$conn=new

mysqli($servername,$username,$password, $dbname);

if($conn->connect_error){

    die("connection failer".$conn->connect_error);

}

echo "connected successfully";

if($_SERVER["REQUEST_METHOD"] == "POST"){

    $username=$_POST["username"];

    $password=$_POST["password"];

    $sql="select * from deal1 where username='$username' and password='$password'";

    $result = $conn->query($sql);

    if($result->num_rows <= 0){

        die("invalid credentials");

    }

    $result = $result->fetch_assoc();

    $_SESSION["user"] = $result["username"];

    header("Location:/LOGIN & REGISTER BY ME");

    echo "logged in";

}?>
```



## -Home page

```
<?php
    session_start();
    if(!$_SESSION["user"]){
        header("Location:/LOGIN & REGISTER BY ME/login.html");
    }
?>
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <link rel="stylesheet" href="style1.css">
        <title>DEALS SITE</title>
    </head>
    <body>
        <div class="container">
            <div class="navbar">
                <div class="logo">
                    
                </div>
                <nav>
                    <ul>
                        <li><a href="index.php">Home</a></li>
                        <li><a href="">Product</a></li>
                        <li><a href="">About</a></li>
                        <li><a href="Signup.html">Sign up</a></li>
                        <li><a href="login.html">Login</a></li>
                        <li><a href="/logout.php">Logout</a></li>
```

```

        </ul>

    </nav>

</div>

<div class="row">

    <div class="col-2">

        <h1>Save your bucks<br>With the best Deals!! </h1><br>

        <p>Knock Knock deal is here...</p>

        <h2> <a href="" class="btn">Click it</a></h2>

    </div>

    <div class="col-2">

    </div>

</div>

</div>

</body>

</html>

```

### **-Configuration**

```

<?php

$hostname = "localhost";

$servername="localhost";

$username = "root";

$password = "";

$dbname = "library_project";

// Create connection

$conn = new mysqli($hostname, $username, $password, $dbname);

// Check connection

if ($conn->connect_error) {

```

```
die("Connection failed: " . $conn->connect_error);  
} // echo 'success'; ?>
```

**Style are used which are done using css.**

**Front page is done using HTML**

## Github link

<https://github.com/Sayujaya14/Deal-Management.git>

## Conclusion

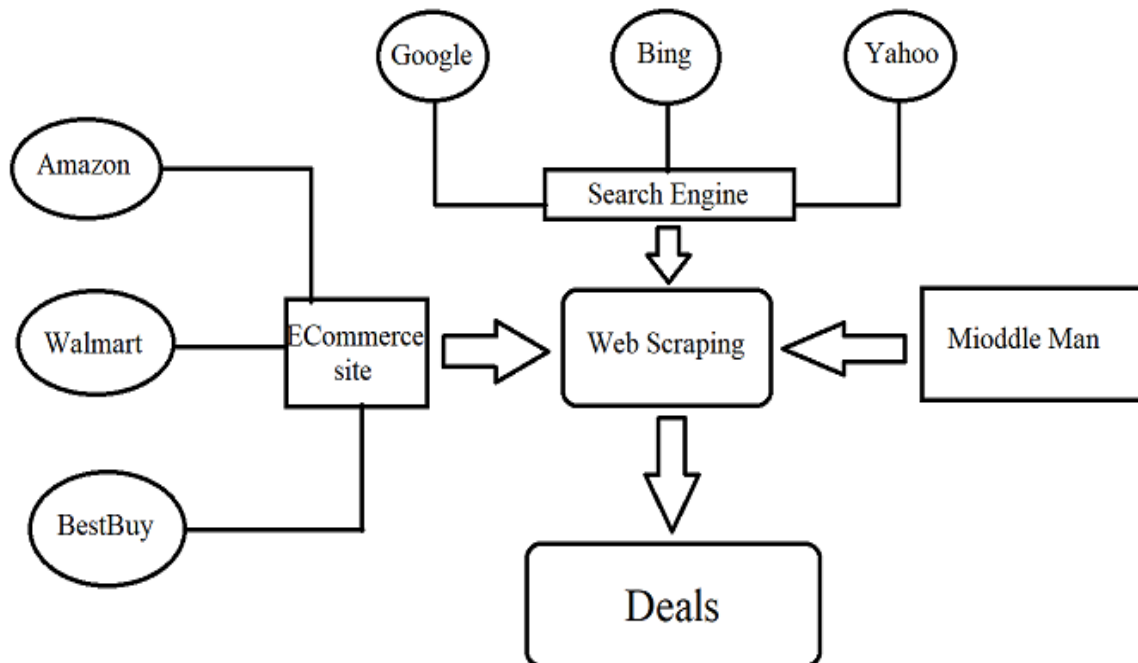
Technology has made significant progress over the years to provide consumers a better online shopping experience and will continue to do so for years to come. This means that the projects we have been involved in have been taken seriously. Most of the products are available in the online market and having high, medium and low prices. So, this website helps the customers to buy the best products with best prices. This project will surely meet all the needs of the user and will be beneficial. Developing the project helped us gain experience with real-time development methodologies. Our website is very flexible, very efficient and easy to interact with our customers. Our website aims to provide best services to the user in all possible way. Most of the requirements are met up to the mark and others are in the process of completion. Future enhancement and promises are our main targets. In a Nutshell we are determined to save the time and money of the users in any possible ways we can

## Future Enhancement

Due to the promising competition in different formats in the current market, update and upgrade is quite essential in our website. The things we are planning to keep in the website as an upgradation are:

- Automatic showing of the recent deal without the work to post it by using web scraping in the different ecommerce website.
- Product price tracking mechanism
- AI and ML based price notifying system and future calculation of the price drop
- Real time comparison of price of the product across all the vendors, ecommerce site.
- A function for middle man to earn money for them and for us, where they keep the deals going on in the market(offline) where our website finding capability is low.
- Different security enable services for the comfortability of the user using the website.

## A simple Diagram visualization of our Future work



## Promises

We will be focusing mainly in the automated system of our website which is generally through the web scraping where the data are automatically collected and showed in our website. The data related to deals are automatically displayed in the real time with no seconds of delay.

Here time is trust and money , if we are late we can't provide best deal to the customer , we will loose the trust and customer will loose the money for not acquiring the product.

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