OUTLINE FOR THE PROJECT IN MCA II SEMESTER II

DAIRY PRODUCTS ORDERING SYSTEM

BY

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YOUR QUALIFICATION

UNDER THE GUIDENCE OF

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1. **INTRODUCTION**

The offline Dairies now-a-days are facing many difficulties such as inefficiency of products, good quality of food items, long waiting times, rude behavior of shopkeepers and poor service delivery. And as customer has to do more over physical work that include wastage of time, sometimes offline dairies can offer much higher rates than the standard rates. Lot of paper work required to maintain the customers record, and also is hard to calculate daily profit and loss so, it makes very difficult to handle offline dairies.

The main purpose of developing this system is to provide the customer facility of ordering “Shravan dairy” products online, it also makes easy for the vendors or sellers to sell their products and earn more profit than offline dairies. As the dairy products are sold online there will be more promotion of the products. The additional functionality of the system is that the customer can search the product they want according to weight and rate. The system will be taking orders only when shop is open. Multiple products can be ordered online at a time and it will be added to the cart according the bill will be generated.

The system is user friendly as it has simple design and user won’t find difficulties while surfing on it, he can move to any product or tab he wants. The system will be more secure as each time when the users tries to login he should provide credentials to the system. The system will maintain the information of customers and about their orders in database which would be easy for an admin to contact the customer. The system will be more useful for user as well as vendor.

The delivery of the product is COD (Cash on Delivery), so when the product will be ordered it will be delivered to his address. This functionally will help the customer to save lot of time and energy as there is no need for him to go out and buy the product. Hence the system will more useful and feasible to everyone.

**2. SIGNIFICANCE OF PROJECT**

This project deals with the sale or ordering of dairy products by making records in the database.

**The disadvantages of dairy offline dairy are:**

1. The manual system requires more time for processing.
2. The manual system is more error prone, as it requires to maintain records of each dairy product sold.
3. Manual system is costly as it needs books or registers to maintain record.
4. Less selling of products.
5. Customer needed to go and buy product which was time consuming.

**Benefits of Online dairy system is required because of some advantages given below…**

1. Decreasing the chances of error as the system in online.
2. No need of maintaining of information related to product offline.
3. Products will be delivered within the given time.
4. System will be more interactive and attractive so there will be more sell of product.
5. The facility of Cash on Delivery will attract more customer as the payment will be done after the product is delivered.
6. Admin can measure the performance of his dairy.
7. It will be less time consuming and cost consuming for the customers.

**3. OBJECTIVE OF PROJECT**

1. Home page will be opened.
2. For customer surfing or searching through products facility is provided.
3. To provide facility of ordering product online.
4. To provide facility of selection of multiple products at a time and will be added to cart.
5. To provide Registration and Login facility.
6. After ordering of multiple products bill will be generated.
7. Record of orders will be provided.

**4. SCOPE OF PROJECT**

1. On home Page, “Shravan Dairy” related information will be available.
2. Searching or surfing through given products facility will be provided.
3. Facility of ordering the given product online will be available only.
4. Multiple given products can be selected from the list and will be added to the cart.

1. Customer and Admin will only have login facility.
2. Bill will be generated according to given product being selected as per their rates.
3. Customer and Admin of will have the history of records of orders.

**5. INFORMATION GATHERING (PRIMARY AND SECONDARY SOURCE OF INFORMATION, INTERFACE DESIGN)**

**INFORMATION GATHERING:**

**PRIMARY SOURCE OF INFORMTION:**

The Primary Information of System was collected through direct interviews of “Shravan Dairy” owner. The owner told us about the products which he sells offline along with their rates. He told about the delivery process that he can follow.

**SECONDARY SOURCE OF INFORMATION**:

The Secondary Information of System was collected by referring various websites related to various dairy systems online.

**INTERFACE DESIGN:**

Client side:

Home Page

|  |
| --- |
| Logo  Navigation Bar  **Product** Cart Orders Profile |
| Product List |
|  |

|  |
| --- |
| Logo |
| Login Form |
|  |

|  |
| --- |
| Logo |
| Registration Form |
|  |

Login Page Registration

|  |
| --- |
| Logo  Navigation Bar  **Product** Cart Orders Profile |
|  |
|  |

Home Page

Product Page Profile

|  |
| --- |
| Logo  Navigation Bar  **Product** Cart Orders Profile |
| Profile |
|  |

Product Page Order Page Profile

|  |
| --- |
| Logo  Navigation Bar  **Product** Cart Orders Profile |
| Products |
|  |

|  |
| --- |
| Logo  Navigation Bar  **Product** Cart Orders Profile |
| Order list |
|  |

Order Page

|  |
| --- |
| Logo  Navigation Bar  **Product** Cart Orders Profile |
| Cart |

Cart Page

**Admin side:**

Login Page

|  |
| --- |
| Logo |
| Login Form |
|  |

Home Page

|  |
| --- |
| Logo  Navigation Bar  **Orders** History Add/Delete Product |
|  |
|  |

Order Page Order History Add/delete product

|  |
| --- |
| Logo  Navigation Bar  **Orders** History Add/Delete Product |
| Order list |
|  |

|  |
| --- |
| Logo  Navigation Bar  **Orders** History Add/Delete Product |
| Order History list |
|  |

|  |
| --- |
| Logo  Navigation Bar  **Orders** History Add/Delete Product |
|  |
|  |

**6. TECHNOLOGY DETAILS**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Client | Development | Server |
| Software | Windows or any operating system, Browser | Operating system, IDE and XAMMP | XAMMP |
| Hardware | At least 500MB RAM. | 8GB RAM | 2Gb RAM 512Mb web hosting space |

**TECHNOLOGY DETAILS**

**HTML-5**

**HTML5** is a language that defines the properties and behaviors of [web page](https://en.wikipedia.org/wiki/Web_page) [content](https://en.wikipedia.org/wiki/Web_content) by implementing a [markup](https://en.wikipedia.org/wiki/Markup_language)-based [pattern](https://en.wikipedia.org/wiki/Software_design_pattern) to it.

Some of the elements which we will be using:

Tags used are:

* <html>- element defines the root of HTML and XHTML documents.
* <div>- (short for division) tag is generic container for flow content, which has no default rendering or meaning.
* <h1> to <h6>- heading tags are used to define HTML headings. There are six levels of headings, from <h1> (most important) to <h6> (least important).
* <style>-tag is used to define style rules at a page-level (i.e. within the document).
* <link>-tag defines a link between the current document and an external resource.
* <button>- tag creates a clickable button in an [HTML form](https://www.tutorialrepublic.com/html-tutorial/html-forms.php).
* <body>-element represents the main content of the document. It typically wraps around all of the content that will be displayed on screen, such as headings, paragraphs, hyperlinks, images, forms, tables, lists, videos and so on.
* <form>- tag defines an HTML form that contains interactive controls which enable a user to submit information to a web server.
* <option>- element represents an option in a dropdown list defined by the [<select>](https://www.tutorialrepublic.com/html-reference/html-select-tag.php) element. A dropdown list must contain at least one <option> element.
* <select>- element defines a selection list within a [<form>](https://www.tutorialrepublic.com/html-reference/html-form-tag.php).
* <li>- (short for list item) defines an individual list item within a list. Each list item usually rendered with a bullet (in unordered lists, defined by the [<ul>](https://www.tutorialrepublic.com/html-reference/html-ul-tag.php) tag) or a number or letter (in the case of ordered lists, defined by the [<ol>](https://www.tutorialrepublic.com/html-reference/html-ol-tag.php) tag).
* <ul> -(short for unordered list) element defines an unordered list of items. Each list item is defined by a [<li>](https://www.tutorialrepublic.com/html-reference/html-li-tag.php) element.
* <ol>- (short for ordered list) tag defines an ordered list of items. Each list item is defined by a [<li>](https://www.tutorialrepublic.com/html-reference/html-li-tag.php) tag.
* <table>- tag is used to represents data in a grid-like fashion (in rows and columns).<th>,<tr>,<td> are elements used in table.
* <img>- (short for image) tag defines an image in an HTML document. Images are not directly inserted into the document; they are linked to the HTML pages.

**BOOTSTRAP-4**

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation and other interface components.

## Bootstrap 4 CDN

If you don't want to download and host Bootstrap 4 yourself, you can include it from a CDN (Content Delivery Network).

MaxCDN provides CDN support for Bootstrap's CSS and JavaScript. You must also include jQuery:

MaxCDN:

<!-- Latest compiled and minified CSS -->  
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css">  
  
<!-- jQuery library -->  
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>  
  
<!-- Popper JS -->  
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>  
  
<!-- Latest compiled JavaScript -->  
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"></script>

Bootstrap 4 Classes:

Classes is the important element in bootstrap.

All we have to include it in div tag. Eg:<div class=”.navbar”>

Some of the the classes used are: .active, .navbar, .bg-secondary, .bg-primary.etc.

Some of the elements used for are:

* Grid System-Bootstrap's grid system is built with flexbox and allows up to 12 columns across the page.

If you do not want to use all 12 columns individually, you can group the columns together to create wider columns.

Grid classes:.col-,.col-sm-,.col-md-,.col-lg-,.col-xl-

* Color-Bootstrap 4 has some contextual classes that can be used to provide "meaning through colors".The classes for text colors are: .text-muted, .text-primary, .text-success, .text-info, .text-warning, .text-danger, .text-secondary, .text-white, .text-dark, .text-body (default body color/often black) and .text-light
* Table- A basic Bootstrap 4 table has a light padding and horizontal dividers.

The .table class adds basic styling to a table.

* Image-Tag used for inserting image:<img src="paris.jpg" class="float-left">
* Buttons: Different types of button are-

Basic,Primary,Secondary, Success, Info, Warning, Danger, Dark Light .

* navigation bar -is a navigation header that is placed at the top of the page.
* Bootstrap provides two types of form layouts:

Stacked (full-width) form.

Inline form.

**CSS 3**

Cascading Style Sheets (CSS) is a style sheet language used for describing the look and formatting of a document written in a markup language. CSS3 is a latest standard of CSS earlier versions (CSS2).

CSS can be implemented using 3 types:-

Inline CSS: -

E.g.- <p style=”color:sienna;margin-left:20px”>This is example</p> .

External CSS: -

In this type CSS file is external and is included in html file in <head> tag <link rel=”spreadsheet” type=”text/css” href=”mystyle.css”>.

Internal CSS: -

In this type CSS is written between <head> tag and <style> tag.

Some of the properties used in this are: -

|  |  |
| --- | --- |
| Property | Description |
| background | Defines a variety of background properties within one declaration. |
| background-attachment | Specify whether the background image is fixed in the viewport or scrolls. |
| background-clip | Specifies the painting area of the background. |
| background-color | Defines an elements background color |
| background-image | Defines an elements background image |
| border | Sets the width, style and color for all four sides of elements border. |
| border-radius | Defines the shape of the border corners of an element. |
| color | Specify the color of the text of an element. |
| opacity | Specifies the transparency of an element. |
| font-family | Defines a list of fonts for element. |
| font-stretch | Select a normal, condensed or expanded face from a font. |

**PHP 7**

**PHP** is a [general-purpose programming language](https://en.wikipedia.org/wiki/General-purpose_programming_language) originally designed for [web development](https://en.wikipedia.org/wiki/Web_development). It was originally created by [Rasmus Lerdorf](https://en.wikipedia.org/wiki/Rasmus_Lerdorf) in 1994, the PHP [reference implementation](https://en.wikipedia.org/wiki/Reference_implementation) is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the [recursive initialism](https://en.wikipedia.org/wiki/Recursive_initialism) PHP: Hypertext Pre-processor.

* PHP 7 is much faster than the previous popular stable release (PHP 5.6)
* PHP 7 has improved Error Handling
* PHP 7 supports stricter Type Declarations for function arguments
* PHP 7 supports new operators (like the spaceship operator: <=>)

In this project PHP7 is used only for server side, And used to process the data and connect to database.

**MYSQL 8.0**

MySQL is an [open-source](https://en.wikipedia.org/wiki/Open-source_software) [relational database management system](https://en.wikipedia.org/wiki/Relational_database_management_system) (RDBMS). Its name is a combination of "My", the name of co-founder [Michael Widenius](https://en.wikipedia.org/wiki/Michael_Widenius)'s daughter, and "[SQL](https://en.wikipedia.org/wiki/SQL)", the abbreviation for [Structured Query Language](https://en.wikipedia.org/wiki/Structured_Query_Language).

In this project mysql is used to store data.

Data is stored using connection of php and mysql.

<?php  
$servername= "localhost";  
$username= "username";  
$password= "password";   
$conn= new mysql($servername,$username,$password);?>

This is the code for connection of php with database.

In database data is inserted deleted and select query is used

**JavaScipt**

JavaScript is the programming language of HTML and the Web.

JavaScript is easy to learn.

This tutorial will teach you JavaScript from basic to advanced.

In HTML, JavaScript code must be inserted between <script> and </script> tags.

JavaScript can "display" data in different ways:

* Writing into an HTML element, using innerHTML.
* Writing into the HTML output using document.write().

JavaScript provides a way to validate form's data on the client's computer before sending it to the web server. Form validation generally performs two functions.

* **Basic Validation** − First of all, the form must be checked to make sure all the mandatory fields are filled in. It would require just a loop through each field in the form and check for data.
* **Data Format Validation** − Secondly, the data that is entered must be checked for correct form and value. Your code must include appropriate logic to test correctness of data.

## Input Events

[onblur - When a user leaves an input field](https://www.w3schools.com/js/tryit.asp?filename=tryjs_events_onblur).

[onchange - When a user changes the content of an input field](https://www.w3schools.com/js/tryit.asp?filename=tryjs_events_onchange).

[onchange - When a user selects a dropdown value](https://www.w3schools.com/js/tryit.asp?filename=tryjs_events_dropdown).

[onfocus - When an input field gets focus](https://www.w3schools.com/js/tryit.asp?filename=tryjs_events_onfocus).

[onselect - When input text is selected](https://www.w3schools.com/js/tryit.asp?filename=tryjs_events_onselect).

onsubmit - When a user clicks the submit button.

[onreset - When a user clicks the reset button](https://www.w3schools.com/js/tryit.asp?filename=tryjs_events_onreset).

## Click Events

[onclick - When button is clicked](https://www.w3schools.com/js/tryit.asp?filename=tryjs_events_onclick).

[ondblclick - When a text is double-clicked](https://www.w3schools.com/js/tryit.asp?filename=tryjs_events_ondblclick)

## Load Events

[onload - When the page has been loaded](https://www.w3schools.com/js/tryit.asp?filename=tryjs_events_body_onload).

[onload - When an image has been loaded](https://www.w3schools.com/js/tryit.asp?filename=tryjs_events_img_onload).

**7. IMPLEMENTATION**

|  |  |
| --- | --- |
| TIMELINE | RESPONSIBILITY |
| 12-01-2020 to 15-01-2020 | Information Gathering |
| 16-01-2020 to 21-01-2020 | Planning and Flow Control |
| 25-01-2020 to 07-02-2020 | Documentation |
| 08-02-2020 to 16-02-2020 | Database Designing |
| 17-02-2020 to 21-02-2020 | Form Designing |
| 22-02-2020 to 04-02-2020 | Coding & Validation |
| 05-03-2020 to 07-03-2020 | Database Connectivity |
| 08-03-2020 to 15-03-2020 | Reviewing and Analysis of Project |

**8. CONCLUSION/SUMMARY**

* This system will be able to provide the facility of ordering the dairy products online.
* The customer will be able to search and select multiple products and add it to the cart and bill will be generated automatically.
* The shopkeeper will be able to sell their products online and earn more profit.
* Customer have to just order the products and the product will be delivered at the address.
* Cash on Delivery facility will be available.

**9. URL (DOMAIN NAME OF WEBSITE)**

www.shravandairy.xyz

**10. DETAILS OF TEAM MEMBERS & THEIR RESPONSIBILITES IN DETAILED.**

|  |  |
| --- | --- |
| Team Member | Responsibility |
| Sayali Burte | Information Gathering |
| Sayali Burte, Sanket Khardekar | Planning and Flow Control |
| Sayali Burte, Sanket Khardekar | Documentation |
| Sanket Khardekar | Database Designing |
| Sayali Burte | Form Designing |
| Sayali Burte, Sanket Khardekar | Coding & Validation |
| Sayali Burte, Sanket Khardekar | Database Connectivity |
| Sayali Burte, Sanket Khardekar | Reviewing and Analysis of Project |