



M.KUMARASAMY
COLLEGE OF ENGINEERING
NAAC Accredited Autonomous Institution
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ISO 9001:2015 Certified Institution
Thalavapalayam, Karur – 639 113.



POULTRY FARM PORTAL

A MINOR PROJECT - IV REPORT

Submitted by

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BACHELOR OF ENGINEERING

in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

M.KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous)

KARUR – 639 113

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**M.KUMARASAMY COLLEGE OF ENGINEERING,
KARUR**

BONAFIDE CERTIFICATE

Certified that this **18ECP105L - Minor Project - IV** report “**POULTRY FARM PORTAL**” is the bonafide work of “**ASMATH Z (927621BEC015), DHARSHINI N (927621BEC042), DHARSHINIPRIYA R (927621BEC044), HARINI S (927621BEC061)**” who carried out the project work under my supervision in the academic year **2023 -2024 - EVEN SEMESTER**.

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This report has been submitted for the **18ECP105L – Minor Project - III** final review held at M. Kumarasamy College of Engineering, Karur on _____

PROJECT COORDINATOR

INSTITUTION VISION AND MISSION

Vision

To emerge as a leader among the top institutions in the field of technical education.

Mission

M1: Produce smart technocrats with empirical knowledge who can surmount the global challenges.

M2: Create a diverse, fully -engaged, learner -centric campus environment to provide quality education to the students.

M3: Maintain mutually beneficial partnerships with our alumni, industry and professional associations

DEPARTMENT VISION, MISSION, PEO, PO AND PSO

Vision

To empower the Electronics and Communication Engineering students with emerging technologies, professionalism, innovative research and social responsibility.

Mission

M1: Attain the academic excellence through innovative teaching learning process, research areas & laboratories and Consultancy projects.

M2: Inculcate the students in problem solving and lifelong learning ability.

M3: Provide entrepreneurial skills and leadership qualities.

M4: Render the technical knowledge and skills of faculty members.

Program Educational Objectives

- PEO1: Core Competence:** Graduates will have a successful career in academia or industry associated with Electronics and Communication Engineering
- PEO2: Professionalism:** Graduates will provide feasible solutions for the challenging problems through comprehensive research and innovation in the allied areas of Electronics and Communication Engineering.
- PEO3: Lifelong Learning:** Graduates will contribute to the social needs through lifelong learning, practicing professional ethics and leadership quality

Program Outcomes

- PO 1: Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO 2: Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO 3: Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO 4: Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO 5: Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO 6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO 7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO 8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO 9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO 10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO 11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO 12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes

PSO1: Applying knowledge in various areas, like Electronics, Communications, Signal processing, VLSI, Embedded systems etc., in the design and implementation of Engineering application.

PSO2: Able to solve complex problems in Electronics and Communication Engineering with analytical and managerial skills either independently or in team using latest hardware and software tools to fulfil the industrial expectations.

Abstract	Matching with POs, PSOs
Monitoring, Financial tracking, Scheduling,	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2

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We would like to thank our **Minor Project Co-ordinator, Dr.K.Karthikeyan, B.E., M.Tech., Ph.D., Associate Professor**, Department of Electronics and Communication Engineering for his kind cooperation and culminating in the successful completion of this project work. We are glad to thank all the Faculty Members of the Department of Electronics and Communication Engineering for extending a warm helping hand and valuable suggestions throughout the project. Words are boundless to thank our Parents and Friends for their motivation to complete this project successfully.

ABSTRACT

The poultry industry faces numerous challenges in maintaining efficient operations, from inventory management to health monitoring and market integration. The "Poultry Farm Portal" project addresses these challenges by introducing a comprehensive digital platform tailored specifically for poultry farm management. This portal offers a centralized solution for farmers to effectively oversee every aspect of their operation. It includes modules for inventory management, livestock monitoring, financial tracking, scheduling, marketplace integration, and knowledge sharing. With the inventory management module, farmers can keep precise records of feed, medication, and equipment, optimizing usage and minimizing waste. Livestock monitoring utilizes real-time data collection and analysis to ensure the health and growth of poultry, enabling proactive disease prevention and growth optimization. Financial tracking empowers farmers with insights into expenses, revenue, and profitability, facilitating informed decision-making and strategic planning. The scheduling module assists in planning tasks such as feeding and cleaning, enhancing resource utilization and operational efficiency. Furthermore, marketplace integration enables farmers to expand their market reach and increase profitability by facilitating the buying and selling of poultry products through online platforms. In this POULTRY FARM PORTAL, the rural people may find it easy to sell the chicks, hens, cocks, eggs and fresh meat to various vendors. Hence these vendors sell them in the online website through all over the world.

TABLE OF CONTENTS

CHAPTER No.	CONTENTS	PAGE No.
	Institution Vision and Mission	iii
	Department Vision and Mission	iii
	Department PEOs, POs and PSOs	iv
	Abstract	viii
	List of Figures	x
	List of Abbreviations	xi
1	INTRODUCTION	1
	1.1 Introduction	1
2	OBJECTIVE	2
3	LITERATURE REVIEW	3
4	EXISTING SYSTEM	4
	4.1 Manual Record-Keeping	4
	4.2 Farm Management Software	4
	4.3 IoT Sensors and Automation	4
5	PROJECT METHODOLOGY	5
	5.1 Frontend	5
	5.2 Javascript	6
	5.3 SQL	6
6	RESULT AND DISCUSSION	7
7	CONCLUSION AND FUTUTE WORK	9
	APPENDICES	10
	REFERENCES	20

LIST OF FIGURES

FIGURE No.	TITLE	PAGE No.
5.1	Software used	6
6.1	Intro page	7
6.2	Order page 1	7
6.3	Order page 2	8
6.4	Form page	8
6.5	Thank you page	8

LIST OF ABBREVIATIONS

S NO.	ACRONYM	ABBREVIATION
1	HTML	Hyper Text Markup Language
2	CSS	Cascading Style Sheets
3	ID	Identification
4	SQL	Structured query language

CHAPTER 1

INTRODUCTION

In the realm of modern agriculture, where technology plays an increasingly pivotal role, the advent of the Poultry Farm Portal marks a significant milestone in the evolution of poultry farming practices. Developed with a vision to streamline operations, enhance productivity, and foster sustainable practices, this project represents a transformative leap towards a digitally empowered poultry farming community. The poultry industry stands as a cornerstone of global food security, providing a vital source of protein to millions worldwide. However, amidst the growing demand for poultry products, traditional farming methods often encounter challenges ranging from inefficient resource management to limited access to crucial information and markets. Recognizing these hurdles, the Poultry Farm Portal emerges as a comprehensive solution, harnessing the power of digital technology to address these pressing needs. At its core, the Poultry Farm Portal serves as a centralized platform, empowering farmers with a suite of tools and resources to optimize every aspect of their operations. From automated data collection and analysis to personalized insights on nutrition, health management, and market trends, this platform equips farmers with the knowledge and tools needed to make informed decisions and maximize efficiency. Moreover, the Poultry Farm Portal fosters connectivity within the farming community, facilitating knowledge exchange, collaboration, and peer support.

CHAPTER 2

OBJECTIVE

Enhance Efficiency Streamline poultry farm management processes through digital tools and automation, reducing manual labour, time spent on administrative tasks, and overall operational costs. Improve productivity increase poultry production yields by providing farmers with data-driven insights, best practices, and resources to optimize breeding, feeding, health management, and environmental conditions. Facilitate Market Access Connect poultry farmers with buyers, suppliers, and other stakeholders in the poultry industry, enabling them to access markets, negotiate prices, and expand their customer base more effectively. Promote Sustainability Encourage the adoption of sustainable farming practices by providing resources, guidelines, and tools to minimize environmental impact, optimize resource utilization, and enhance animal welfare standards. Empower Decision-Making Equip poultry farmers with real-time data, analytics, and predictive modelling capabilities to make informed decisions regarding flock management, resource allocation, risk mitigation, and investment strategies. Foster Knowledge Sharing Establish a vibrant online community where poultry farmers can exchange ideas, share experiences, access educational resources, and seek advice from experts and peers in the industry. Ensure Accessibility Design the Poultry Farm Portal to be user-friendly, accessible across different devices and internet connectivity levels, and available in multiple languages to accommodate diverse user demographics and geographic locations.

CHAPTER 3

LITERATURE REVIEW

Recent studies highlight the increasing adoption of digital solutions in agriculture, driven by the need for efficiency, data-driven decision-making, and sustainability. Digital platforms, including farm management software and IoT-based systems, have been instrumental in optimizing various agricultural processes. Research on poultry farm management systems underscores the importance of digital tools in monitoring flock health, managing feed efficiency, and optimizing production parameters. Studies have shown that integrating technology into poultry farming can lead to improved performance, reduced mortality rates, and better resource utilization. The application of data analytics and predictive modeling techniques in poultry farming has gained traction in recent years. By analyzing vast datasets encompassing factors such as environmental conditions, feed composition, and bird health indicators, researchers have developed predictive models to forecast disease outbreaks, optimize feed formulations, and improve overall farm efficiency. Predicting egg production rates based on factors like temperature, humidity, and feed quality. Forecasting poultry growth rates and estimating the time to market. Predicting egg production rates based on factors like temperature, humidity, and feed quality. Utilize prescriptive analytics to recommend actions or interventions based on predictive models' outcomes. For example, recommend adjustments to environmental conditions, feed composition, or health management practices to optimize production outcomes.

CHAPTER 4

EXISTING SYSTEM

4.1 Manual Record-Keeping:

Many poultry farmers still rely on traditional pen-and-paper methods to record data related to flock health, feed consumption, egg production, and other relevant metrics. This approach can be time-consuming and prone to errors. Spreadsheets and Desktop Software Some farmers utilize basic spreadsheet software or desktop applications to organize and analyze data. These tools may offer more structure and functionality compared to manual methods but often lack real-time data input and accessibility.

4.2 Farm Management Software:

There are farm management software solutions available that offer comprehensive features tailored to poultry farming. These systems typically include modules for flock management, feed formulation, health monitoring, financial tracking, and reporting. However, they may require a significant initial investment and may not always be accessible to small-scale farmers.

4.3 IoT Sensors and Automation:

Advanced poultry farms may incorporate IoT sensors and automation technologies to monitor environmental conditions (such as temperature, humidity, and air quality) and automate tasks like feeding and watering.

CHAPTER 5

PROJECT METHODOLOGY

5.1 FRONTEND

An HTML report is a document created using Hypertext Markup Language (HTML), a standard markup language used for creating web pages. Unlike a traditional paper-based report, an HTML report is designed to be viewed and interacted with in a web browser. Here's a theoretical overview of what an HTML report entails. HTML reports follow a hierarchical structure defined by HTML elements. These elements organize the content of the report into sections, paragraphs, lists, tables, and other semantic structures. HTML allows for the application of formatting styles to enhance the presentation of content. This can include text formatting such as bold, italic, and underline, as well as the use of headings, paragraphs, and lists to structure information logically. CSS allows you to define the visual appearance of HTML elements. This includes properties such as color, size, font, spacing, borders, and backgrounds. Selectors are used to target HTML elements and apply styles to them. CSS selectors can target elements based on their tag name, class, ID, attributes, or even their position in the document tree. CSS properties can be inherited from parent elements to their children. This means that if a style is applied to a parent element, it can affect the appearance of its child elements unless overridden by a more specific style. With media queries, CSS can adapt styles based on the characteristics of the device or viewport, such as screen size, resolution, orientation, or device type.

5.2 JAVASCRIPT

JavaScript was initially created to add interactivity to web pages by manipulating the Document Object Model (DOM) of HTML documents. However, it has since evolved into a versatile language used for both client-side and server-side development. JavaScript syntax is similar to other programming languages like Java and C, making it relatively easy to learn for developers familiar with these languages.

5.3 SQL

SQL is used to communicate with and manipulate databases. Its primary functions include querying data, modifying data, defining database schema (structure), and managing database access control. One of the primary uses of SQL is to retrieve data from a database. This is typically done using the SELECT statement, which allows users to specify which columns of data they want to retrieve and any conditions that data must meet. SQL is also used to define the structure of a database. This includes creating and altering tables, defining indexes and constraints (such as primary keys and foreign keys), and specifying data types for columns.

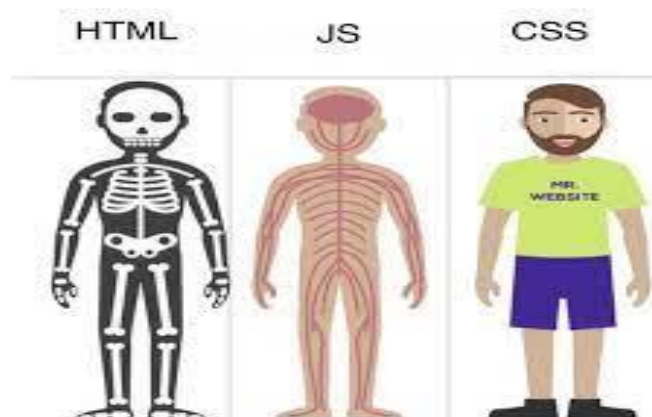


Figure 5.1 Software used

CHAPTER 6

RESULT AND DISCUSSION

6.1 OUTPUT IMPLEMENTED

In this POULTRY FARM PORTAL, the rural people may found easy to sale the chicks, hens, cocks, eggs and fresh meat to various vendors. Hence these vendors sell them in the online website through all over the world.

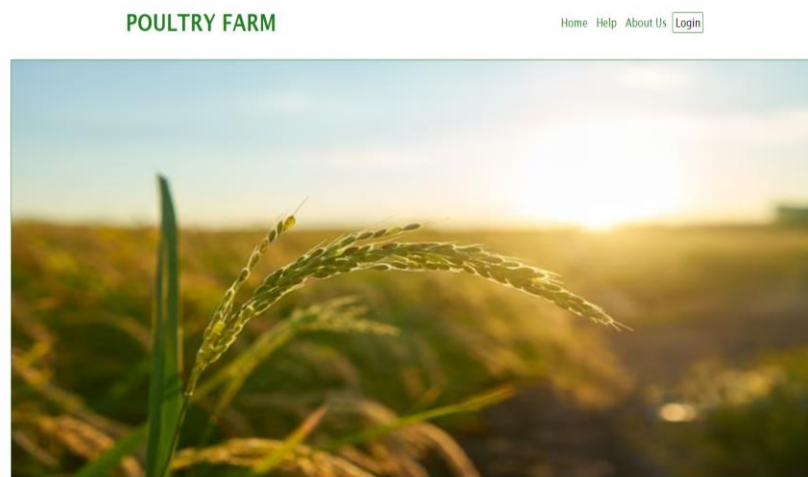


Figure 6.1 Intro page



Figure 6.2 Order page 1

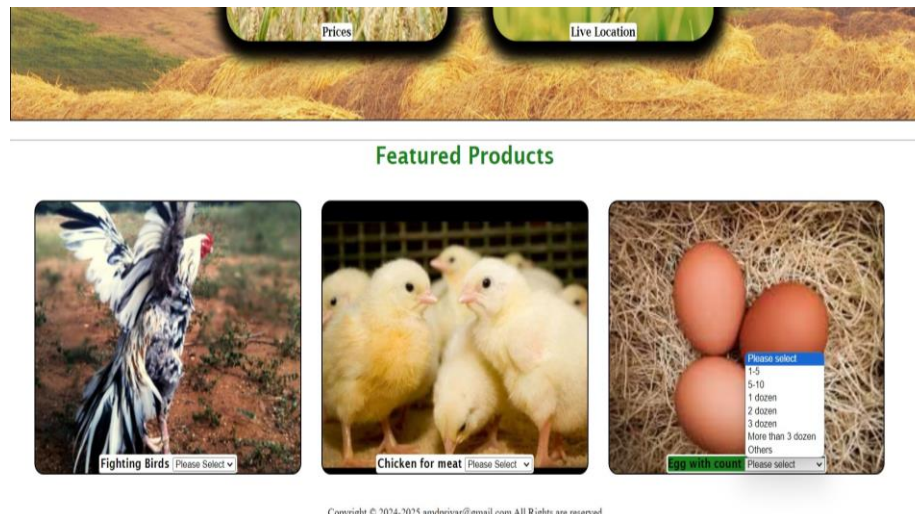


Figure 6.3 Order page 2

The screenshot shows a registration or contact form titled 'POULTRY FARM'. The form is set against a dark, starry background. It contains five input fields with labels: 'NAME', 'EMAIL', 'ADDRESS', 'PHONE NUMBER', and 'LOCATION'. Each field has a small placeholder text: 'enter your name', 'enter@gmail.com', 'enter your address', 'enter your phone number', and 'enter your location'. A 'SUBMIT' button is located at the bottom of the form.

Figure 6.4 Form page

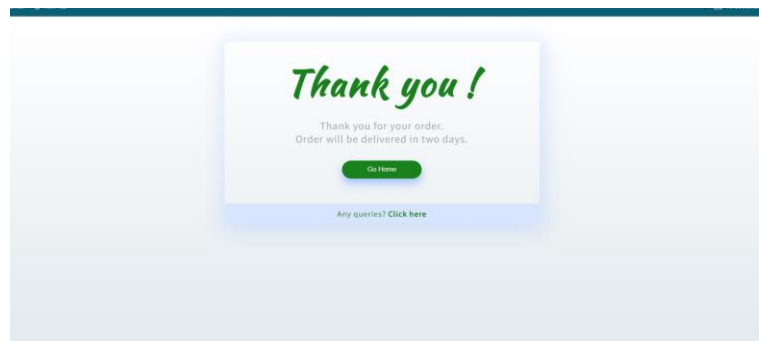


Figure 6.5 Thank you page

CHAPTER 7

CONCLUSION AND FUTURE SCOPE

The development and implementation of the Poultry Farm Portal represent a significant advancement in the realm of poultry farm management. This project aimed to address the challenges faced by poultry farmers by providing an integrated digital platform tailored to their specific needs. Through the incorporation of various modules such as inventory management, livestock monitoring, financial tracking, scheduling, marketplace integration, and knowledge sharing, the portal has revolutionized the way poultry farms are managed. The results of the project demonstrate clear benefits to poultry farmers across different aspects of their operations. The future scope for poultry farm portal is promising and continues to evolve as poultry farm technology matures and new use cases emerge. Here are some of the potential future developments and trends in the poultry farm code text

APPENDICES

// INTRO POULTRY FARM.html

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

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

```
  <title>POULTRY FARM</title>
```

```
  <link rel="stylesheet" href="INTRO POLTRY FARM.css">
```

```
</head>
```

```
<body>
```

```
  <div class="project">
```

```
    <h1>POULTRY FARM</h1>
```

```
  <div class="pro">
```

```
    <a href="INTRO POLTRY FARM.html" id="home">Home</a>
```

```
    <a href="https://www.instagram.com/__d_priya__/" id="home">Help</a>
```

```
    <a href="https://www.instagram.com/rajali_breeding_birds/" id="home">About us</a>
```

```
    <a href="login poultry farm.html" id="register">Login</a>
```

```
  </div></div>
```

```
<div class="animation">
```

```
  <div class="box">
```

```
  </div>
```

```
</div>
```

```
</body>
```

```
</html>
```

//FORGET MAIL.html

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```

<meta charset="UTF-8">

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

<title>forget mail</title>

</head>

<link rel="stylesheet" href="forget mail.css">

<body>

  <div class=content>

    <div class="wrapper-1">

      <div class="wrapper-2">

        <p>A reset password mail has send to your register mail id</p>

        <button class="go-home">

          <a href="INTRO POLTRY FARM.html" id="home">Go home</a>

        </button>

      </div>

      <div class="footer-like">

        <p>Any queries?

          <a href="https://www.instagram.com/___d_priya___/" id="home">Click here</a>

        </p>

      </div>

    </div>

  </div>

  <link href="https://fonts.googleapis.com/css?family=Kaushan+Script|Source+Sans+Pro"
rel="stylesheet">

</body>

</html>

.login a{

  text-decoration: none;</center> <div class="chc">

    </button>

    <label>

```

```

    <a href="signup.html" style="text-decoration: none"; >Don't have an account?signup</a>
  </label></div>
</div>
<div class="container" style="background-color:#f1f1f1">
  <button type="button" class="cancelbtn">Cancel</button>
  <span class="psw"> <a href="forget mail.html" id="home">Forget
password?</a></a></span>
</div>
</form>
</body>
</html>
//ORDER PAGE.html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="order page1.css">
  <link
href="https://fonts.googleapis.com/css2?
family=Ubuntu+Mono&display=swap"
rel="stylesheet">
</head>
<body>
  <header>
    <h1 id="top" style="font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande',
'Lucida Sans Unicode', Geneva, Verdana, sans-serif;
">POULTRY FARM</h1>
    <h1 id="top1"></h1>
  </header>

```

```

<hr>

<nav id="navbar">
  
  <ul id="navcontent">
    <li><a href="INTRO POLTRY FARM.html">Home</a></li>
    <li><a href="https://www.instagram.com/___d_priya___/">About</a></li>
    <li><a href="login poultry farm.html">Login</a></li>
  </ul>
</nav>

<div id="container1">
  <div id="row1">
    WELCOME TO POULTRY FARM
  </div >
  <button class="btn"><a href="form.html" id="home">Order</a></button>
  <div id="container3">
    <div id="row2">
      <button class="btn">
        <a href="price.html" id="home">Prices</a></button>
      </div>
      <div id="row3">
        <button class="btn"> <a href="https://maps.app.goo.gl/CQxqHjDTpavS5imV6"
id="home">Live Location</a></button>
      </div>
    </div>
  </div>
  </div>
  <hr>
  <h1 id="top3">Featured Products</h1>
  <div id="container4">
    <div id="row4">
      <button class="btn"> <label for="cars">Fighting Birds</label>

```



```

        <select name="cars" id="cars">
            <option value>Please Select</option value>
            <option value>Vella pulli</option value>
            <option value>Sengaruppu</option value>
            <option value>Mayil</option value>
            <option value>karuppu</option value>
            <option value>Bhoothi</option value>
            <option value>Others</option value>
        </select></button>
    </div>
    <div id="row5">
        <button class="btn"> <label for="cars">Chicken for meat</label>
        <select name="cars" id="cars">
            <option value>Please Select</option value>
            <option value>1 kg</option value>
            <option value>2 kg</option value>
            <option value>3 - 4 kg</option value>
            <option value>4 - 5 kg</option value>
            <option value>More than 5 kg</option value>
            <option value>Others</option value>
        </select></button>
    </div>
    <div id="row6">
        <button class="btn"> <label for="cars">Egg with count</label>
        <button ><a href
="file:///C:/Users/R.Dharsinipriya/Documents/html%20dp/orderpage.html">Submit</a></button
>
    </h3>

    </center></form>

    <link rel="stylesheet" href="login.css">

</center>

```

```

    </body>

</html>

//price.html
<!DOCTYPE html>

<html>

<body>

    <link rel="stylesheet" href="price.css">

<head>

    <center><title>PRICES </title>

<div class="hi">

<h1 style="font-family:Snap ITC"> PRICE LIST</h1>

<center><img src = "coc logo.jpg"></center>

<p style="font-family:Snap ITC" style="color: #1a821d;"><b>POULTRY FARM</b></p>

</div>

</center></b></td>

<td><b><center>₹450</center></b></td>

</tr>

<tr>

<td><b>Fighting Birds</b></td>

<td><b><center>1</b></td>

<td><b><center>Ranges from ₹5000-₹10,000 </center></b></td>

</tr>

<tr>

    background: linear-gradient(to bottom, #ffffff 0%,#e1e8ed 100%);

    filter: progid:DXImageTransform.Microsoft.gradient( startColorstr='#ffffff',
endColorstr='#e1e8ed',GradientType=0 );

    height: 100%;

    margin: 0;

    background-repeat: no-repeat;

    background-attachment: fixed;}

```

```

.wrapper-1{
  width:100%;
  height:100vh;
  display: flex;
  flex-direction: column;}
.wrapper-2{
  padding :30px;
  text-align:center; }
h1{
  font-family: 'Kaushan Script', cursive;
  font-size:4em;
  letter-spacing:3px;
  color:#1a821d;
  margin:0;
  margin-bottom:20px; }
.wrapper-2 p{
  margin:0;
  font-size:1.3em;
  color:#aaa;
  font-family: 'Source Sans Pro', sans-serif;
  letter-spacing:1px; }
.go-home{
{
  box-sizing:border-box;
  /* outline:1px solid ;*/
}
body{
background: #ffffff;
background: linear-gradient(to bottom, #ffffff 0%,#e1e8ed 100%);
.wrapper-1{

```

```
width:100%;  
height:100vh;  
display: flex;  
flex-direction: column;  
}  
.wrapper-2{  
padding :30px;  
text-align:center;  
}  
h1{  
font-family: 'Kaushan Script', cursive;  
font-size:4em;  
letter-spacing:3px;  
color:#1a821d;  
margin:0;  
margin-bottom:20px;  
}  
.wrapper-2 p{  
margin:0;  
font-size:1.3em;  
color:#aaa;  
font-family: 'Source Sans Pro', sans-serif;  
letter-spacing:1px;  
}  
.go-home {  
color:#fff;  
background:#1a821d;  
border:none;  
padding:10px 50px;  
margin:30px 0;
```

```
border-radius:30px;
text-transform:capitalize;
box-shadow: 0 10px 16px 1px rgba(174, 199, 251, 1);
}
.footer-like{
margin-top: auto;
background:#D7E6FE;
padding:6px;
text-align:center;
}
.footer-like p{
margin:0;
padding:4px;
color:#1a821d;
font-family: 'Source Sans Pro', sans-serif;
letter-spacing:1px;
}
.footer-like p a{
text-decoration:none;
color:#1a821d;
font-weight:600;
}

@media (min-width:360px){
h1{
font-size:4.5em;
}
.go-home{
margin-bottom:20px;
```

```
}  
  
.go-home a  
{text-decoration: none;  
  color: white;}  
  
@media (min-width:600px){  
  .content{  
    max-width:1000px;  
    margin:0 auto;  
  }  
  .wrapper-1{  
    height: initial;  
    max-width:620px;  
    margin:0 auto;  
    margin-top:50px;  
    box-shadow: 4px 8px 40px 8px rgba(88, 146, 255, 0.2);  
  }  
  
}
```

REFERENCES

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