

North South University

CSE 311L - Database Management System Lab

Project Report

Group: Casper / Summer 2017

CSE311L (Sec: 5)

Project Title: Poultry Farm Management System

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1. Introduction

This project is mainly for the maintenance and management of a poultry farm. This system contains data about the poultry chicken. The system will keep track about Eggs stock, Chicken's quantity, chicken's health etc. The poultry farm owner always has to prepare for the diseases of the chicken. So it will need medicine and vaccine supply and distributing them among the chickens. So the system also has a vaccine table which has the data about the vaccine name, price, supplier etc. The system also has the other important data like: Feeding record- price, consumption per day; Employees- Salary, name, address, phone number; Sales record- who buys, how much buys etc.



Beside this, the system has two different login and log out system where the employee and the Admin of the farm can separately login in their account. There is a different view of this two login system. Normal employee can only view their salary, their hire date etc. But in admin login system the admin can also see some other feature about the employees. The admin panel can also remove the employee's id. It also has the sign up system for the new employees.

2. Executive Summary

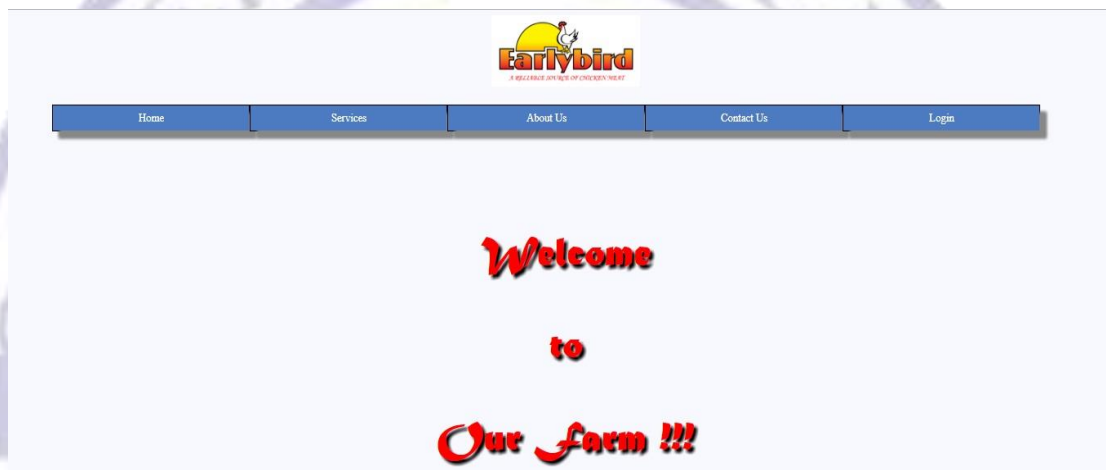
Mainly this project can control the whole management system of a poultry farm. It can take new data and also can delete the unnecessary data of the system. There are mainly three types of user who can use this system. First of all the normal user like viewer, customers etcetera can see the some specific part of the system like home page, about us page, the price table of the chickens and eggs etc. After that there is another user that is Employees. The employees can own a personal account in the system by which they can see their salary summary, there other important data. But the employees can't excises some part of the system. At last there is another user of the website who is called Admin. They can excises to the every part of the system by their account. Employees and admins have their personal email and password to excises in their account. So the normal user can't excises in those account. This system help a poultry farm company to protect their important data and consume the data. Beside this the customers also easily know about the company and their product. So they can easily make decision that they will buy their products or not.



3. Features List/ Requirement Analysis:

Features of Customers:

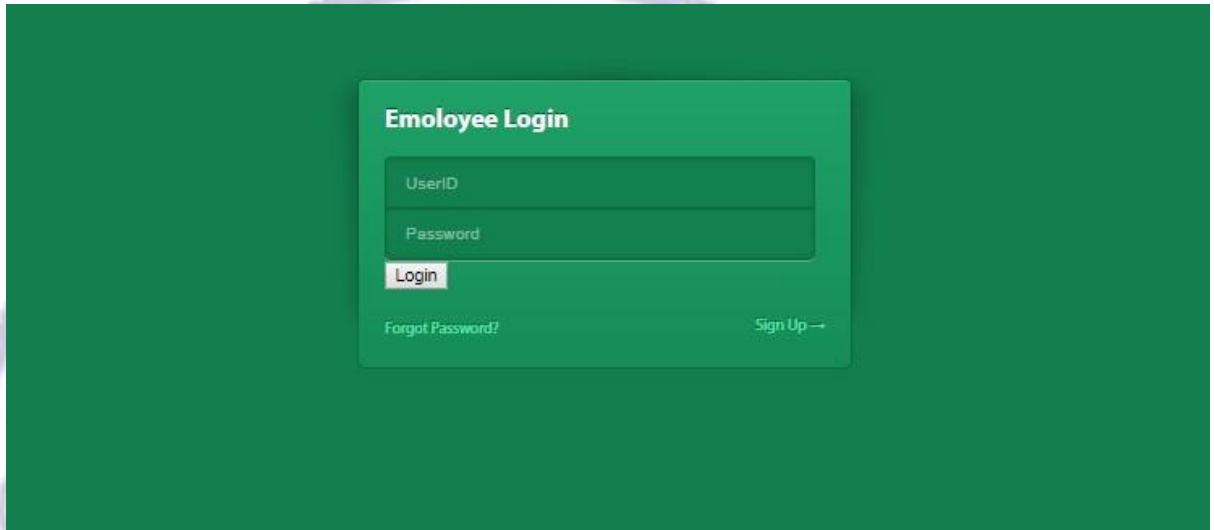
1. **Home Page:** When a customer visit on the system he/she will see this page. It has several buttons for enter different part of the system; those are: Home, About Us, Contact Us, Services and Login.



2. **Service:** Inside this option there are two buttons: Chicken Price and Egg Price. In this part customers can view the prices of different chickens and eggs.
3. **About Us:** In this section a customer can know the poultry farm's motto, vision and little history about the farm.
4. **Contact Us:** In the contact us option a customer can submit a query, greetings, complain and any order by a form. In this form they have to put their name, email address and their queries.

A screenshot of the 'Earlybird' website's contact form. At the top center is the same logo as in the previous image. Below it is the same navigation bar. The main content area is a light gray box with a title 'Contact Us' on the right side. On the left side of this box is a form with three input fields: 'Name' with a placeholder 'Enter Name', 'Email' with a placeholder 'Enter Email Address', and 'Message' with a placeholder 'Enter Your Message'. Below these fields are two buttons: 'Reset' and 'Submit'.

5. **Login:** In the login option there are two different types of login buttons: Employees Login and Admin Login. This part isn't applicable for the customers. But they can see this option.

A screenshot of an "Employee Login" form. The form is a light green box with a title "Emoloyee Login" (note the typo). It contains two input fields: "UserID" and "Password". Below these fields is a "Login" button. At the bottom left of the form is a link "Forgot Password?" and at the bottom right is a link "Sign Up →". The form is set against a dark green background.

Emoloyee Login

UserID

Password

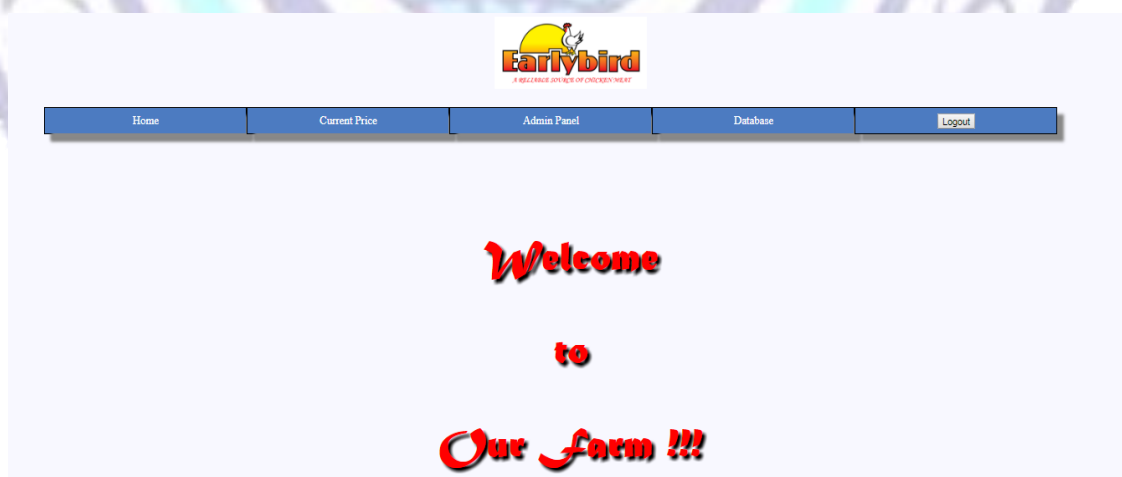
Login

[Forgot Password?](#)

[Sign Up →](#)

Feature for Employees:

1. **Home Page:** After login of an employee he/she will be redirected to a different Home Page. That Home Page has different buttons: Home, Current Price, Admin Panel, Database and Logout.



2. **Current Price:** Inside the Current Price option there are two different buttons: Chickens Price and Eggs price. This two buttons help the customers to know about the price of eggs and chickens



Home	Current Price	Admin Panel	Database	Logout
Type	Price	Quantity	Action	
Broiler	110.00	8000	Edit	
Layer	115.00	15000	Edit	

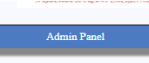
3. **Admin Panel:** Inside the admin panel there are three buttons: Employee info, Owner info and Feed info. Employee info option includes every employee's data such as, their name, date of birth, salary, their job position, their contact no, their address and etcetera. Almost same data for owner info. Inside the feed info there is included the feed price and the remain quantity. It helps the authority to know about their feed stock.



Home	Current Price	Admin Panel	Database	Logout
Feed Name	Feed Price Per KG	Current Stock		
BARASTOC LAYER PELLET	95.00	50KG		
BARASTOC LAYER PREMIUM	135.00	50KG		
BARASTOC DARLING	125.00	40KG		
BARASTOC LAYER PELLETS	130.00	20KG		
Provita	120.00	90KG		
Brac	100.00	100KG		
Kazi Feed	95.00	80KG		
CP Top Layer	120.00	100KG		

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4. **Database:** Inside this panel there are two options: Create Info and Insert Address. In the create info the employee can modify their personal info and inside the insert address they also modify their address if they want.



Home	Current Price	Admin Panel	Database	Logout
First Name	<input type="text" value="Please enter First name"/>			
Last Name	<input type="text" value="Please enter Last name"/>			
Gender	<input type="text" value="Please enter Gender"/>			
DOB	<input type="text" value="Enter Like: Y-M-D"/>			
Job	<input type="text" value="Please enter Job"/>			
Salary	<input type="text" value="Please enter Salary"/>			
Join Date	<input type="text" value="Please enter Join Date"/>			
Address	<input type="text" value="Please enter Address"/>			
Contact No	<input type="text" value="Please enter Contact No"/>			
Email	<input type="text" value="Please enter Email"/>			
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>				

[Go Back](#)

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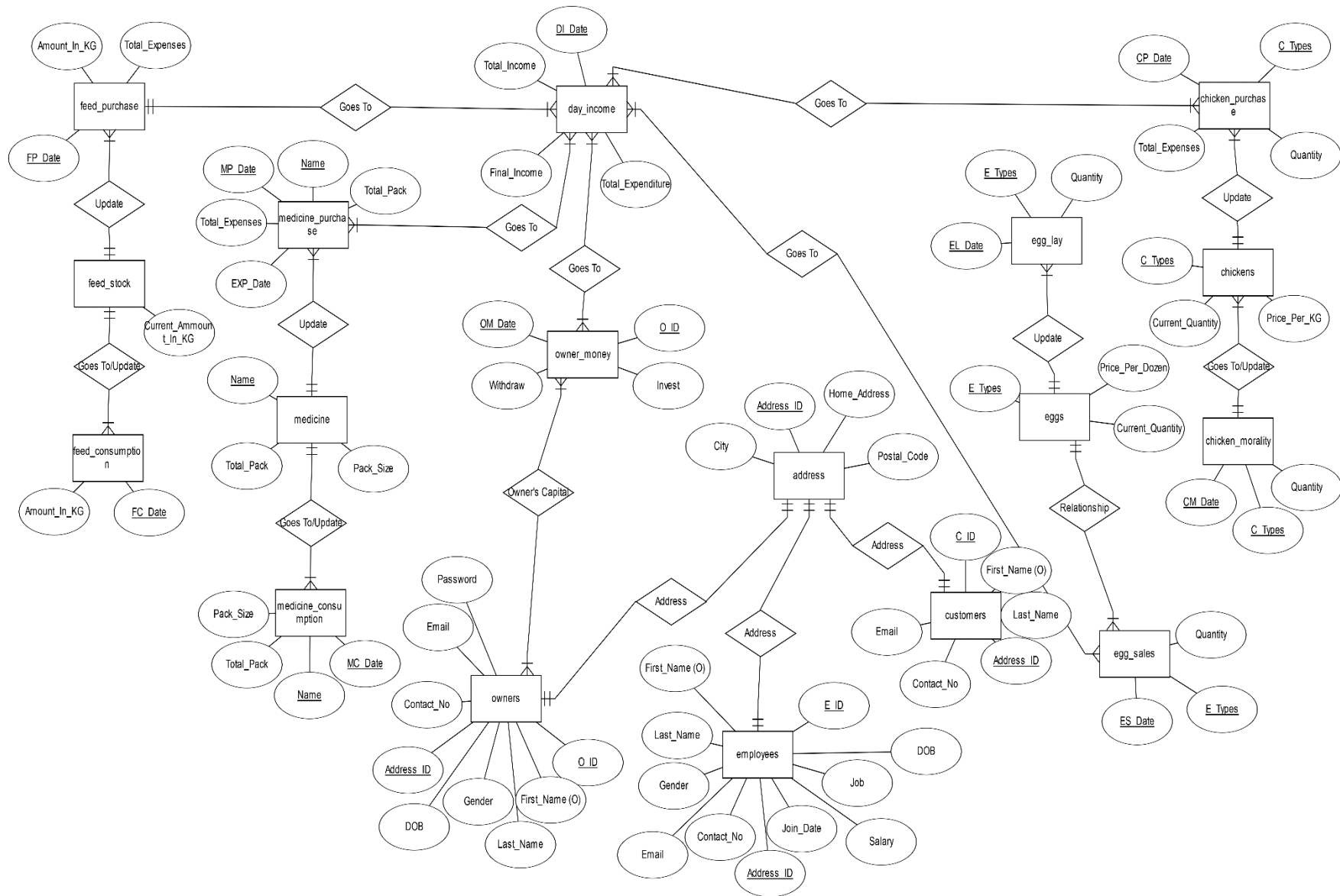
5. **Logout:** By logout button employee can go back to the home page and it will log out their account.

Feature for Admin:

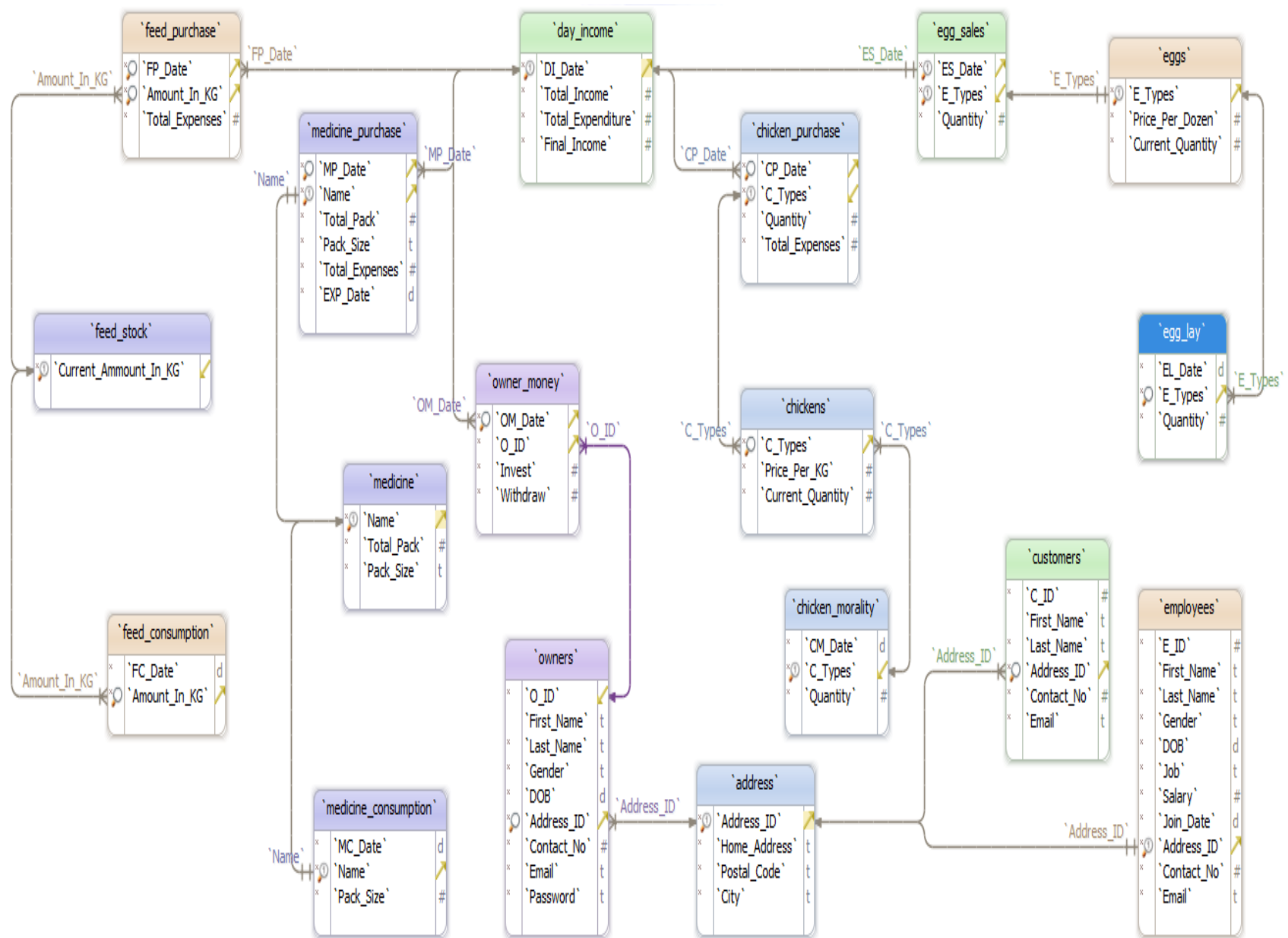
Admin has the same feature as like the employees. But an admin can have some other special excises which an employee can't excises. An admin can delete and edit an employee's account but an employee can't have excises to modify an admin's account.



4. ER Diagram/ Database Diagram:



E-R diagram for a Poultry Farm Management System



Database/Schema Diagram:

6. Important Codes/ Query (Top Ten):

1. For the login of the admin:

```
1 <?php
2     session_start();
3 >?
4
5 <!DOCTYPE html>
6 <html >
7 <head>
8     <meta charset="UTF-8">
9     <title>Admin Login</title>
10
11     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/normalize/5.0.0/normalize.min.css">
12
13     <link rel="stylesheet" href="css/style.css">
14
15 </head>
16
17 <body>
18     <div class="login">
19
20         <h2>Admin Login</h2>
21         <form action="includes/login.inc.php" method="POST">
22             <input type="text" name="user_uid" placeholder="UserID" />
23             <input type="password" name="user_pwd" placeholder="Password" />
24             <button type="submit" name="submit">Login</button>
25         </form>
26         <div class="utilities">
27             <a href="#">Forgot Password?</a>
28             <a href="signup.php">Sign Up &arr;</a>
29         </div>
30     </div>
```

2. For checking and editing the chickens price:

```
1 <?php
2     include_once 'header.php';
3     include_once 'includes/database.php';
4     include_once 'includes/config.php';
5 >?
6
7 <?php
8 $db = new Database();
9 $query = "SELECT * FROM chickens";
10 $read = $db->select($query);
11 >?
12
13
14 <table class = "tblone">
15 <tr>
16     <th width = "20%">Type</th>
17     <th width = "20%">Price</th>
18     <th width = "20%">Quantity</th>
19     <th width = "20%">Action</th>
20 </tr>
21
22 <?php
23 if($read){
24 >?
25     <?php while($row = $read->fetch_assoc()){?>
26 <tr>
27     <td><?php echo $row['C_Types'];?></td>
28     <td><?php echo $row['Price_Per_KG'];?></td>
29     <td><?php echo $row['Current_Quantity'];?></td>
30     <td><a href="cupdate.php?id=<?php echo urlencode($row['id']);?>">Edit</a></td>
31 </tr>
32 <?php } ?>
33 <?php } else { ?>
34 <p>Data is not available !!</p>
35 <?php }?>
36 </table>
37
38
39 <?php
```

3. Code for creating data base:

```
1 <?php
2     include_once 'header.php';
3     include_once 'includes/database.php';
4     include_once 'includes/config.php';
5 ?>
6
7
8 <?php
9 $db = new Database();
10
11 if(isset($_POST['submit'])){
12     $firstName = mysqli_real_escape_string($db->link, $_POST['First_Name']);
13     $lastName = mysqli_real_escape_string($db->link, $_POST['Last_Name']);
14     $gender = mysqli_real_escape_string($db->link, $_POST['Gender']);
15     $dob = mysqli_real_escape_string($db->link, $_POST['DOB']);
16     $job = mysqli_real_escape_string($db->link, $_POST['Job']);
17     $salary = mysqli_real_escape_string($db->link, $_POST['Salary']);
18     $joinDate = mysqli_real_escape_string($db->link, $_POST['Join_Date']);
19     $addressId = mysqli_real_escape_string($db->link, $_POST['Address_ID']);
20     $contactNo = mysqli_real_escape_string($db->link, $_POST['Contact_No']);
21     $email = mysqli_real_escape_string($db->link, $_POST['Email']);
22
23     if($lastName == '' || $gender == '' || $job == '' || $salary == '' || $joinDate == '' || $addressId == '' || $contactNo == ''){
24         $error = "Field must not be empty!!";
25     }else{
26         $query = "INSERT INTO employees(First_name, Last Name, Gender, DOB, Job, Salary, Join_Date, Address_ID, Contact_No, Email)
27             VALUES('$firstName', '$lastName', '$gender', '$dob', '$job', '$salary', '$joinDate', '$addressId', '$contactNo', '$email')";
28         $create = $db->insert($query);
29     }
30 }
31 ?>
32
33 <?php
34 if(isset($error)){
35     echo "<span style='color:red'>". $error."</span>";
36 }
37 ?>
38
39 <form action="createdatabase.php" method="POST">
40
41
42 <table class = "tblone">
43
44
45     <tr>
46         <td>First Name</td>
47         <td><input type="text" name="First_Name" placeholder="Please enter First name"/></td>
48     </tr>
49     <tr>
50         <td>Last Name</td>
51         <td><input type="text" name="Last_Name" placeholder="Please enter Last name"/></td>
52     </tr>
53     <tr>
54         <td>Gender</td>
55         <td><input type="text" name="Gender" placeholder="Please enter Gender"/></td>
56     </tr>
57     <tr>
58         <td>DOB</td>
59         <td><input type="text" name="DOB" placeholder="Enter Like:: Y-M-D"/></td>
60     </tr>
61     <tr>
62         <td>Job</td>
63         <td><input type="text" name="Job" placeholder="Please enter Job"/></td>
64     </tr>
65     <tr>
66         <td>Salary</td>
67         <td><input type="text" name="Salary" placeholder="Please enter Salary"/></td>
68     </tr>
69     <tr>
70         <td>Join Date</td>
71         <td><input type="text" name="Join_Date" placeholder="Please enter Join Date"/></td>
72     </tr>
73     <tr>
74         <td>Address</td>
75         <td><input type="text" name="Address_ID" placeholder="Please enter Address"/></td>
76     </tr>
77     <tr>
78         <td>Contact No</td>
79         <td><input type="text" name="Contact_No" placeholder="Please enter Contact No"/></td>
80     </tr>
81     <tr>
82         <td>Email</td>
```


4. Code for Employees info:

```
1 <?php
2     include_once 'header.php';
3     include_once 'includes/database.php';
4     include_once 'includes/config.php';
5 >?
6
7 <?php
8 $db = new Database();
9 $query = "SELECT * FROM employees";
10 $read = $db->select($query);
11 >?
12
13 <?php
14 if(isset($_GET['msg'])){
15     echo "<span style='color:green'>".$_GET['msg']. "</span>";
16 }
17 >?
18
19 <table class = "tblone">
20 <tr>
21     <th width = "5%">Employee ID</th>
22     <th width = "10%">First Name</th>
23     <th width = "10%">Last Name</th>
24     <th width = "5%">Gender</th>
25     <th width = "10%">DOB</th>
26     <th width = "10%">Job</th>
27     <th width = "5%">Salary</th>
28     <th width = "10%">Join Date</th>
29     <th width = "5%">AddressID</th>
30     <th width = "10%">Contact No</th>
31     <th width = "10%">Email</th>
32     <th width = "5%">Action</th>
33 </tr>
34
35 <?php
36 if($read){?>
37     <?php while($row = $read->fetch_assoc()){?>
38
39         <tr>
40             <td><?php echo $row['id'];?></td>
41             <td><?php echo $row['First_Name'];?></td>
42             <td><?php echo $row['Last_Name'];?></td>
43             <td><?php echo $row['Gender'];?></td>
```

5. Code for updating data:

```
1 <?php
2     include_once 'header.php';
3     include_once 'includes/database.php';
4     include_once 'includes/config.php';
5 >?
6
7 <?php
8 $id = $_GET['id'];
9 $db = new Database();
10 $query = "SELECT * FROM eggs WHERE id=$id";
11 $getData = $db->select($query)->fetch_assoc();
12
13 if(isset($_POST['submit'])){
14     $cTypes = mysqli_real_escape_string($db->link, $_POST['C_Types']);
15     $pPerkg = mysqli_real_escape_string($db->link, $_POST['Price_Per_Dozen']);
16     $quantity = mysqli_real_escape_string($db->link, $_POST['Current_Quantity']);
17
18     if($cTypes == '' || $pPerkg == '' || $quantity == ''){
19         $error = "Field must not be empty!!";
20     }else{
21         $query = "UPDATE eggs
22             SET
23             C_Types = '$cTypes',
24             Price_Per_Dozen = '$pPerkg',
25             Current_Quantity = '$quantity',
26             WHERE id = $id";
27         // To update the query
28         $update = $db->update($query);
29     }
30 }
31 >?
32
33 <?php
34 if(isset($_POST['delete'])){
35     $query = "DELETE FROM eggs WHERE id=$id";
36     $deleteData = $db->delete($query);
37 }
38 >?
39
40 <?php
41 if(isset($error)){
42     echo "<span style='color:red'>".$error."</span>";
43 }
44 >?
```

6. Code for post the email:

```
1  <!doctype html>
2  <html>
3  <head>
4      <meta charset="UTF-8">
5      <title>Post Email</title>
6  </head>
7  <body>
8      <?php
9          $myEmailAddress = "nasirul.islam@northsouth.edu";
10         $subject = "Question from Just Do It!";
11
12         $name = $_POST['Name'];
13         $email = $_POST['Email'];
14         $message = $_POST['Message'];
15         $header = "from: $name <$email>";
16
17         mail($myEmailAddress, $subject, $message, $header);
18
19
20
21     ?>
22     <p>Thanks for Sending.</p>
23 </body>
24 </html>
```

7. Code for sign up:

```
1  <?php
2      session_start();
3  ?>
4  <!DOCTYPE html>
5  <html >
6  <head>
7      <meta charset="UTF-8">
8      <title>Signup</title>
9
10     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/normalize/5.0.0/normalize.min.css">
11     <link rel="stylesheet" href="css/style.css">
12 </head>
13
14 <body>
15     <div class="signup-form">
16         <h2>Signup</h2>
17         <form action="includes/signup.inc.php" method="POST">
18             <input type="text" name="user_first" placeholder="Firstname">
19             <input type="text" name="user_last" placeholder="Lastname">
20             <input type="text" name="user_email" placeholder="E-mail">
21             <input type="text" name="user_uid" placeholder="Username">
22             <input type="password" name="user_pwd" placeholder="Password">
23             <button type="submit" name="submit">Sign Up</button>
24         </form>
25     </div>
26
27
28 </body>
29 </html>
30
```

8. Code for header:

```
1 <?php
2 session_start();
3 ?>
4
5
6 <!DOCTYPE html>
7 <html>
8 <head>
9     <meta charset="UTF-8">
10    <title>Early Bird Farm</title>
11    <link type="text/css" rel = "stylesheet" href = "HomeStyle.css">
12 </head>
13 <body>
14 <header>
15 <a href="index.php"> <img src = "LOGO.png" height="100px"> </a>
16 <div id="button">
17     <?php
18     if(isset($_SESSION['u_id'])){
19         echo '
20         <li> <a href="index.php"> Home </a> </li>
21         <li> <a href="#"> Current Price</a>
22             <ul>
23                 <li> <a href="chickenprice.php">Chickens Price</a></li>
24                 <li> <a href="eggprice.php">Eggs Price</a></li>
25                 <li> <a href="feedstock.php">Feed Price</a></li>
26             </ul>
27         </li>
28
29         <li><a href="#">Admin Panel</a>
30             <ul>
31                 <li> <a href="employeesinfo.php">Employees Info</a></li>
32                 <li> <a href="ownerinfo.php">Owners Info</a></li>
33                 <li> <a href="feedstock.php">Feed Info</a></li>
34             </ul>
35         </li>
36         <li> <a href="#">Database</a>
37             <ul>
38                 <li><a href="createdatabase.php">Create EmployeeInfo </a> </li>
39                 <li><a href="createaddress.php">Insert Address</a> </li>
40             </ul>
41         </li>
42         <form action="includes/logout.inc.php" method="POST">
43             <li> <button type="submit" name="submit">Logout</button></li>
44         </form>
45         </ul>';
46     }else{
47         echo '
48         <li> <a href="index.php"> Home </a> </li>
```

9. Code for Contact Us:

```
1 <?php
2 include_once 'header.php';
3 ?>
4 <div id="welcomeDiv">
5     <form id="contact_form" name="contact_form" method="GET" action="postemail.php">
6         <fieldset>
7             <legend>Contact Us</legend>
8             <table>
9                 <tr>
10                     <td><label for="Name">Name</label></td>
11                     <td><input type="text" name="Name" id="Name" placeholder="Enter Name" autofocus="autofocus"/></td>
12                 </tr>
13                 <tr>
14                     <td><label for="Email">Email</label></td>
15                     <td><input type="email" name="Email" id="Email" placeholder="Enter Email Address"/></td>
16                 </tr>
17                 <tr>
18                     <td><label for="Message">Message</label></td>
19                     <td><textarea name="Message" id="message" cols="45" rows="5" placeholder="Enter Your Message"></textarea></td>
20                 </tr>
21                 <tr>
22                     <td></td>
23                     <td><input type="reset" name="Reset" id="Reset" value="Reset"/>
24                     <input type="submit" name="Send" id="Send" value="Submit"/></td>
25                 </tr>
26             </table>
27         </fieldset>
28     </form>
29 </div>
30
```

10.Code for creating address:

```
1 <?php
2     include_once 'header.php';
3     include_once 'includes/database.php';
4     include_once 'includes/config.php';
5 }>
6
7
8 <?php
9 $db = new Database();
10
11 if(isset($_POST['submit'])){
12     $haddress = mysqli_real_escape_string($db->link, $_POST['Home_Address']);
13     $pcode = mysqli_real_escape_string($db->link, $_POST['Postal_Code']);
14     $city = mysqli_real_escape_string($db->link, $_POST['City']);
15
16     if($haddress == '' || $city == ''){
17         $error = "Field must not be empty!!";
18     }else{
19         $query = "INSERT INTO address(Home_Address, Postal_Code, City)
20             VALUES('$haddress', '$pcode', '$city')";
21         $create = $db->insert($query);
22     }
23 }
24
25 }>
26
27
28 <?php
29 if(isset($error)){
30     echo "<span style='color:red'>". $error."</span>";
31 }
32 }>
33
34 <form action="createaddress.php" method="POST">
35
36 <table class = "tblone">
37
38     <tr>
39         <td>Home Address</td>
40         <td><input type="text" name="Home_Address" placeholder="Please enter Home Address"/></td>
41     </tr>
```

7. Conclusion

This database system is a sample of Poultry Farm Management System. By this system a poultry farm company can take benefit to keep their all-important data safe. Beside this it also help them to maintain their information in an organizing way. Overall it is a good database system.