**Aim:**

To implement the system as per the detailed design.

**Database Connectivity Code:**

<?php

$serverName = "RAJALAKSHMI\SQLEXPRESS";

$connectionInfo = array( "Database"=>"CMS");

$conn = sqlsrv\_connect( $serverName, $connectionInfo);

if( !$conn ) {

echo "Connection could not be established.<br />";

die( print\_r( sqlsrv\_errors(), true));

}

session\_start();

?>

**Index.html**

<!DOCTYPE html>

<html>

<head>

<script src="https://unpkg.com/react@18/umd/react.development.js" crossorigin></script>

<script src="https://unpkg.com/react-dom@18/umd/react-dom.development.js" crossorigin></script>

<script src="https://unpkg.com/@babel/standalone/babel.min.js"></script>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.13.0/css/all.min.css">

<title>Perfect Cute</title>

<link rel="icon" href="images/cow.png" type="image/x-icon" style="opacity:0.5 ;">

<link rel="stylesheet" type="text/css" href="style.css">

</head>

<body>

<h4 class="animate-charcter">Perfect Cute Cattles</h4>

<div class='pop-outin'>

<div class="login">

<h3>Login</h3>

<form id="login" method="post" action="login.php" >

<input type="radio" id="admin" name="User" value="Admin" style="position: static;">

<label class="radiobutton" for="admin">Admin</label>

<input type="radio" id="farmer" name="User" value="Farmer" style="position: static;">

<label class="radiobutton" for="farmer">Farmer</label><br>

<input type="radio" id="buyer" name="User" value="Buyer" style="position: static;">

<label class="radiobutton" for="buyer">Buyer</label><br><br>

<label><b>User Name</b><br> </label>

<input type="text" name="Uname" id="Uname" placeholder="Username" required>

<br><br>

<label><b>Password</b><br> </label>

<input type="password" name="password" id="Pass" placeholder="Password" required>

<br><br>

<button type="Submit" name="sub" value="LOGIN">Login</button>

<br><br>

</form>

<form action="Register.html">

<button id="reg" type="Submit" name="reg" value="Register">New? Click here to Register</button>

<br><br>

<a href="#">Forgot Password?</a>

</form>

</div>

</div>

</body>

</html>

**Login.php:**

<?php

include "conn.php";

if(!empty($\_POST['sub']))

{

$user=$\_POST['User'];

$username=$\_POST['Uname'];

$password=$\_POST['password'];

$query="SELECT \* FROM $user WHERE UName='$username' AND Password='$password'";

echo $query;

$result=sqlsrv\_query($conn,$query,array(), array( "Scrollable" => 'static' ));

$count=sqlsrv\_num\_rows($result);

$row=sqlsrv\_fetch\_array( $result);

if ($count === 1) {

$\_SESSION['name'] = $row['Name'];

$\_SESSION['user'] = $username;

if (strcmp($user,"Admin") == 0)

{

header('location: admin/Home.php');

}

elseif (strcmp($user,"Farmer") == 0)

{

header('location: farmer/Home.php');

}

elseif (strcmp($user,"Buyer") == 0)

{

header('location: buyer/dashboard.php');

}

else

{

echo "<script> alert('User does not exist!') </script>";

}

}

else{

echo "<script> alert('Incorrect Username/Password') </script>";

header("Location: index.html");

}

}

elseif(!empty($\_POST['reg']))

{

header("Location: Register.html");

}

else{

echo "Submission error";

exit();

}

?>

**Admin Pages:**

**Home.php**

<html>

<head>

<title>Home Page</title>

<link rel="icon" href="../images/cow.png" type="image/x-icon" style="opacity:0.5 ;">

<link rel="stylesheet" type="text/css" href="HomeS.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>

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

<meta charset=utf-8>

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

<meta name="theme-color" content="#333641">

<script src="/path/to/jquery.js"></script>

<script>

$(function(){

$("#sidebar").load("../navbar/sidebar.php");

});

</script>

</head>

<body>

<div class="waviy">

<span style="--i:1">W</span>

<span style="--i:2">e</span>

<span style="--i:3">l</span>

<span style="--i:4">c</span>

<span style="--i:5">o</span>

<span style="--i:6">m</span>

<span style="--i:7">e</span>

<span style="--i:8"> &nbsp;&nbsp; </span>

<span style="--i:9">T</span>

<span style="--i:10">o</span>

<span style="--i:11"> </span>

<br>

<span style="--i:12">P</span>

<span style="--i:13">e</span>

<span style="--i:14">r</span>

<span style="--i:15">f</span>

<span style="--i:16">e</span>

<span style="--i:17">c</span>

<span style="--i:18">t</span>

<span style="--i:19"> &nbsp;&nbsp; </span>

<span style="--i:20">c</span>

<span style="--i:21">u</span>

<span style="--i:22">t</span>

<span style="--i:23">e</span>

<span style="--i:24"> &nbsp;&nbsp; </span>

<span style="--i:25">C</span>

<span style="--i:26">a</span>

<span style="--i:27">t</span>

<span style="--i:28">t</span>

<span style="--i:29">l</span>

<span style="--i:30">e</span>

<span style="--i:31">s</span>

<span style="--i:32">!</span>

</div>

<br>

<p style="font-size:20px; text-align:center; padding-top:70px; padding-left:15%;"><mark>We hope you find what you seek😊</mark></p>

<div id="sidebar"></div>

</body>

</html>

**sidebar.php:**

<html>

<?php include "../conn.php"; ?>

<style><?php include "sidebar.css";?></style>

<head>

<link rel="stylesheet"href="https://fonts.googleapis.com/css?family=Tangerine">

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="/sidebar.css">

</head>

<body>

<header class="header" role="banner">

<h1 class="logo">

<a href="Home.php">Welcome <span><?php echo $\_SESSION['name'] ?></span></a>

</h1>

<div class="nav-wrap">

<nav class="main-nav" role="navigation">

<ul class="unstyled list-hover-slide">

<li><a href="../admin/ViewAnimals.php">Animals</a></li>

<li><a href="../admin/ViewUsers.php">Users</a></li>

<li><a href="../logout.php"> Logout</a></li>

</ul>

</nav>

</div>

</header>

</body>

</html>

**ViewAnimals.php:**

<html>

<head>

<title>View Animals</title>

<link rel="icon" href="../images/cow.png" type="image/x-icon" style="opacity:0.5 ;">

<link rel="stylesheet" type="text/css" href="ViewAnimals.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>

<script src="/path/to/jquery.js"></script>

<script>

$(function(){

$("#sidebar").load("../navbar/sidebar.php");

});

</script>

</head>

<body>

<div class="container">

<div class="top\_bar">

<h3>Animals</h3>

<a href="AddAnimal.html">

<button type="Submit">+Add Animal</button>

<a>

</div>

<ul class="responsive-table">

<li class="table-header">

<div class="col col-1">Name</div>

<div class="col col-2">Description</div>

<div class="col col-3">Breed</div>

<div class="col col-4">Count</div>

<div class="col col-5">Cost</div>

</li>

<?php

include "..\conn.php";

$query1="SELECT \* FROM Cattle";

$params1=array();

$stmt=sqlsrv\_query($conn,$query1,$params1);

while($row=sqlsrv\_fetch\_array( $stmt)){ ?>

<li class="table-row">

<div class="col col-1" data-label="Name"><?php echo $row['AnimalName']; ?></div>

<div class="col col-2" data-label="Description"><?php echo $row['Description']; ?></div>

<div class="col col-3" data-label="Breed"><?php echo $row['breed']; ?></div>

<div class="col col-4" data-label="Count"><?php echo $row['A\_count']; ?></div>

<div class="col col-5" data-label="Cost"><?php echo $row['Cost']; }?></div>

</li>

</ul>

</div>

<div id="sidebar"></div>

</body>

</html>

**AddAnimal.html:**

<html>

<head>

<title>Add Animal</title>

<link rel="icon" href="../images/cow.png" type="image/x-icon" style="opacity:0.5 ;">

<link rel="stylesheet" type="text/css" href="AddAnimal.css">

</head>

<body>

<div class="wrapper" >

<div class="inner">

<div class="cow-img" style="float: right;

height:400px; width: 50%;

margin-top: 39px;">

<img src="../images/image2.png">

</div>

<form method="post" action="AddAnimal.php" enctype="multipart/form-data">

<h3 class="browns">Add Animals</h3>

<div class="form-wrapper">

<label for="">Animal Name</label>

<input type="text" class="form-control" name="name" required>

</div>

<div class="form-group">

<div class="form-wrapper">

<label for="">Breed</label>

<input type="text" class="form-control" name="breed" required>

</div>

<div class="form-wrapper">

<label for="">Care of (Owner name)</label>

<input type="text" class="form-control" name="owner" required>

</div>

</div>

<div class="form-wrapper">

<label for="">Description</label>

<input type="text" class="form-control" name="desc" required>

</div>

<div class="form-group">

<div class="form-wrapper">

<label for="">Count</label>

<input type="text" class="form-control" name="count" required>

</div>

<div class="form-wrapper">

<label for="">Cost</label>

<input type="text" class="form-control" name="cost" required>

</div>

</div>

<div class="form-wrapper">

<label for="">Picture</label>

<input type="file" class="form-control" name="pic" id="pic" accept=".png,.jpg,.jpeg" required style="padding-top:10px;">

</div>

<button type="submit" name="sub" value="+Add Animal">+Add Animal</button>

</form>

</div>

</div>

<a href="ViewAnimals.php" ><button type="submit" name="sub" style="margin-left: 80%; margin-bottom: 5%;">Back</button></a>

</body>

</html>

**AddAnimal.php**

<?php

include "../conn.php";

$target\_dir = "../uploads/";

$target\_file = $target\_dir . basename($\_FILES["pic"]["name"]);

if(!empty($\_POST['sub'])){

if (!(move\_uploaded\_file($\_FILES["pic"]["tmp\_name"], $target\_file))) {

echo "Sorry, there was an error uploading your file.";

}

$name=$\_POST['name'];

$breed=$\_POST['breed'];

$desc=$\_POST['desc'];

$owner=$\_POST['owner'];

$cost=(int)$\_POST['cost'];

$count=(float)$\_POST['count'];

$query1="SELECT Name FROM Farmer where Name='$owner'";

$params1=array();

$res=sqlsrv\_query($conn,$query1,$params1,array( "Scrollable" => 'static' ));

$ct=sqlsrv\_num\_rows($res);

if($ct > 0){

$query="INSERT INTO Cattle VALUES (?,?,?,?,?,?,?)";

$params=array($name,$breed,$count,$desc,$cost,$owner,$target\_file);

$result=sqlsrv\_query($conn,$query,$params);

if ($result === false)

{

echo "Couldn't add Animal.\n";

die( print\_r( sqlsrv\_errors(), true));

}

else

{

header("Location: ViewAnimals.php");

exit();

}

}

else

{

echo "Owner does not exist!";

die( print\_r( sqlsrv\_errors(), true));

}

}

else

{

echo '<script>alert("Couldn\'t add Animal");</script>';

}

?>

**ViewUsers.php:**

<html>

<head>

<title>User Details</title>

<link rel="icon" href="images/cow.png" type="image/x-icon" style="opacity:0.5 ;">

<link rel="stylesheet" type="text/css" href="ViewUsers.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>

<script src="/path/to/jquery.js"></script>

<script>

$(function(){

$("#sidebar").load("../navbar/sidebar.php");

});

</script>

</head>

<body>

<div class="container">

<div class="top\_bar">

<h3 class="browns">Users</h3>

<a href="AddUser.html">

<button type="Submit">+Add User</button>

<a>

</div>

<h4 class="mint">Buyers</h4>

<ul class="responsive-table">

<li class="table-header">

<div class="col col-1">Name</div>

<div class="col col-2">User Name</div>

<div class="col col-3">Address</div>

<div class="col col-4">Location</div>

<div class="col col-5">Phone Number</div>

</li>

<?php

include "../conn.php";

$query1="SELECT \* FROM Buyer";

$params1=array();

$stmt=sqlsrv\_query($conn,$query1,$params1);

while($row=sqlsrv\_fetch\_array( $stmt)){ ?>

<li class="table-row">

<div class="col col-1" data-label="Name"><?php echo $row['Name']; ?></div>

<div class="col col-2" data-label="User Name"><?php echo $row['UName']; ?></div>

<div class="col col-3" data-label="Address"><?php echo $row['Address']; ?></div>

<div class="col col-4" data-label="Location"><?php echo $row['Location']; ?></div>

<div class="col col-4" data-label="Phone Number"><?php echo $row['PhoneNo']; }?></div>

</li>

</ul>

</div>

<div class="container">

<h4 class="mint">Farmers</h4>

<ul class="responsive-table">

<li class="table-header">

<div class="col col-1">Name</div>

<div class="col col-2">User Name</div>

<div class="col col-3">Address</div>

<div class="col col-4">Location</div>

<div class="col col-5">Phone Number</div>

</li>

<?php

$query1="SELECT \* FROM Farmer";

$params1=array();

$stmt=sqlsrv\_query($conn,$query1,$params1);

while($row=sqlsrv\_fetch\_array( $stmt)){ ?>

<li class="table-row">

<div class="col col-1" data-label="Name"><?php echo $row['Name']; ?></div>

<div class="col col-2" data-label="User Name"><?php echo $row['UName']; ?></div>

<div class="col col-3" data-label="Address"><?php echo $row['Address']; ?></div>

<div class="col col-4" data-label="Location"><?php echo $row['Location']; ?></div>

<div class="col col-4" data-label="Phone Number"><?php echo $row['PhoneNo']; }?></div>

</li>

</ul>

</div>

<div id="sidebar"></div>

</body>

</html>

**AddUser.html:**

<html>

<head>

<title>Add Animal</title>

<link rel="icon" href="../images/cow.png" type="image/x-icon" style="opacity:0.5 ;">

<link rel="stylesheet" type="text/css" href="AddUser.css">

</head>

<body>

<div class="wrapper" >

<div class="inner">

<div class="cow-img" style="float: right;

height:400px; width: 45%;

margin-top: 140px;

margin-right: 20px;">

<img src="../images/image4.png">

</div>

<form method="post" action="AddUser.php">

<h3 class="browns">Add User</h3>

<div class="form-group">

<div class="form-wrapper">

<label for="">Name</label>

<input type="text" class="form-control" name="name" required>

</div>

<div class="form-wrapper">

<label for="">User Name</label>

<input type="text" class="form-control" name="Uname" required>

</div>

</div>

<div class="form-group">

<label for="User">User</label>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<div class="form-wrapper">

<input type="radio" name="User" id="Farmer" class="form-control" value="Farmer" required>

<label for="Farmer">Farmer</label>

</div>

<div class="form-wrapper">

<input type="radio" name="User" id="Buyer" class="form-control" value="Buyer" required>

<label for="Buyer">Buyer</label>

</div>

</div>

<div class="form-wrapper">

<label for="">Address</label>

<input type="text" class="form-control" name="address" required>

</div>

<div class="form-group">

<div class="form-wrapper">

<label for="">Location</label>

<input type="text" class="form-control" name="location" required>

</div>

<div class="form-wrapper">

<label for="">Zip Code</label>

<input type="text" class="form-control" name="zCode" required>

</div>

</div>

<div class="form-group">

<div class="form-wrapper">

<label for="">Account Number</label>

<input type="text" class="form-control" name="AccNo" required>

</div>

<div class="form-wrapper">

<label for="">Phone Number</label>

<input type="text" class="form-control" name="PhNo" maxlength="10" required>

</div>

</div>

<div class="form-group">

<div class="form-wrapper">

<label for="">Password</label>

<input type="password" class="form-control" name="pass" required>

</div>

<div class="form-wrapper">

<label for="">Re Enter Password</label>

<input type="password" class="form-control" name="passw" required>

</div>

</div>

<button type="Submit" name="sub" value="+Add User">+Add User</button>

</form>

</div>

</div>

<a href="ViewUsers.php" ><button type="submit" name="sub" style="margin-left: 80%; margin-bottom: 5%;">Back</button></a>

</body>

</html>

**Buyer Pages:**

**Home:**

<html>

<head>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.13.0/css/all.min.css">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

<title>Perfect Cute</title>

<link rel="icon" href="../images/cow.png" type="image/x-icon" style="opacity:0.5 ;">

<link rel="stylesheet" type="text/css" href="Home.css">

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

<script src="../path/to/jquery.js"></script>

</head>

<body>

<?php

require ("topbar.php");

require("..\conn.php");

$query1="SELECT \* FROM Cattle";

$params1=array();

$stmt=sqlsrv\_query($conn,$query1,$params1);

while($row=sqlsrv\_fetch\_array( $stmt)){

?>

<div id="container">

<div class="animal-details">

<h1><?php echo $row['AnimalName']; ?></h1>

<p class="information"><?php echo $row['Description']; ?></p>

<div class="control">

<button class="btn" id="btn">

<span class="price"><?php echo $row['Cost']; ?></span>

<span class="shopping-cart"><i class="fa fa-shopping-cart" aria-hidden="true"></i></span>

<span class="buy">Buy</span>

</button>

<script type="text/javascript">

var btn = document.getElementById("btn");

var disp = document.getElementById("display");

btn.onclick = function () {

<?php

$que="UPDATE Cattle SET A\_count=A\_count-1 WHERE AnimalName='?' AND Owner='?'";

$par=array($row['AnimalName'],$row['Owner']);

$st=sqlsrv\_query($conn,$que,$par);

header("Location: Home.php");

?>

}

</script>

</div>

</div>

<div class="product-image">

<img src=<?php echo $row['Picture']; ?> alt="">

<div class="info">

<h2> Description</h2>

<ul>

<li><strong>Breed : </strong><?php echo $row['breed']; ?> </li>

<li><strong>Owner : </strong><?php echo $row['Owner']; ?></li>

<li><strong>Count: </strong><?php echo $row['A\_count']; ?></li>

</ul>

</div>

</div>

</div>

<?php } ?>

</body>

</html>

**Topbar.php**

<link rel="stylesheet" type="text/css" href="topBar1.css">

<section style=" color: #fff;">

<nav class="blend">

<ul>

<li><a href="Home.php">Home</a></li>

<li><a href="Profile.php">Profile</a></li>

<li><a href="../logout.php"><?php session\_destroy()?>Logout</a></li>

</ul>

</nav>

</section>

</section>

**Farmer Pages:**

**Home.php:**

<html>

<head>

<title>View Animals</title>

<link rel="icon" href="../images/cow.png" type="image/x-icon" style="opacity:0.5 ;">

<link rel="stylesheet" type="text/css" href="Home.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>

</head>

<body>

<a href="../logout.php" ><button class="fill" type="submit" name="sub" style="margin-left: 80%; margin-bottom: 5%;">Logout</button></a>

<div class="container">

<h3>Animals</h3>

</div>

<ul class="responsive-table">

<li class="table-header">

<div class="col col-1">Name</div>

<div class="col col-2">Description</div>

<div class="col col-3">Breed</div>

<div class="col col-4">Count</div>

<div class="col col-5">Cost</div>

</li>

<?php

include "../conn.php";

$query1="SELECT \* FROM Cattle where Owner=(?)";

$params1=array($\_SESSION['name']);

$stmt=sqlsrv\_query($conn,$query1,$params1);

while($row=sqlsrv\_fetch\_array( $stmt)){ ?>

<li class="table-row">

<div class="col col-1" data-label="Name"><?php echo $row['AnimalName']; ?></div>

<div class="col col-2" data-label="Description"><?php echo $row['Description']; ?></div>

<div class="col col-3" data-label="Breed"><?php echo $row['breed']; ?></div>

<div class="col col-4" data-label="Count"><?php echo $row['A\_count']; ?></div>

<div class="col col-5" data-label="Cost"><?php echo $row['Cost']; }?></div>

</li>

</ul>

</div>

</body>

</html>