

NAVIGATING THE COMPLEX WORLD OF AUTO INSURANCE: A VEHICLE COST ANALYSIS FOR BETTER DECISION MAKING

A PROJECT REPORT

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**PROFESSIONAL READINESS FOR INNOVATION,
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1. INTRODUCTION

Navigating the Complex World Of Auto Insurance: A Vehicle Cost Analysis for Better Decision Making

Project Description:

AutoInsure is an online platform that helps users estimate the cost of vehicle insurance based on images of damaged parts. Using this platform, customers can upload images of the damaged parts of their vehicle and receive a report with an estimated insurance amount. The platform uses image analysis technology to assess the damage and generate the report, eliminating the need for a manual process.

1.1. Project Overview

With AutoInsure, users can quickly and easily estimate the cost of insurance or their damaged vehicles, saving time and hassle. By providing an accurate and convenient way to estimate insurance costs, AutoInsure aims to make the process of obtaining vehicle insurance more efficient and user-friendly.

1.2. Purpose

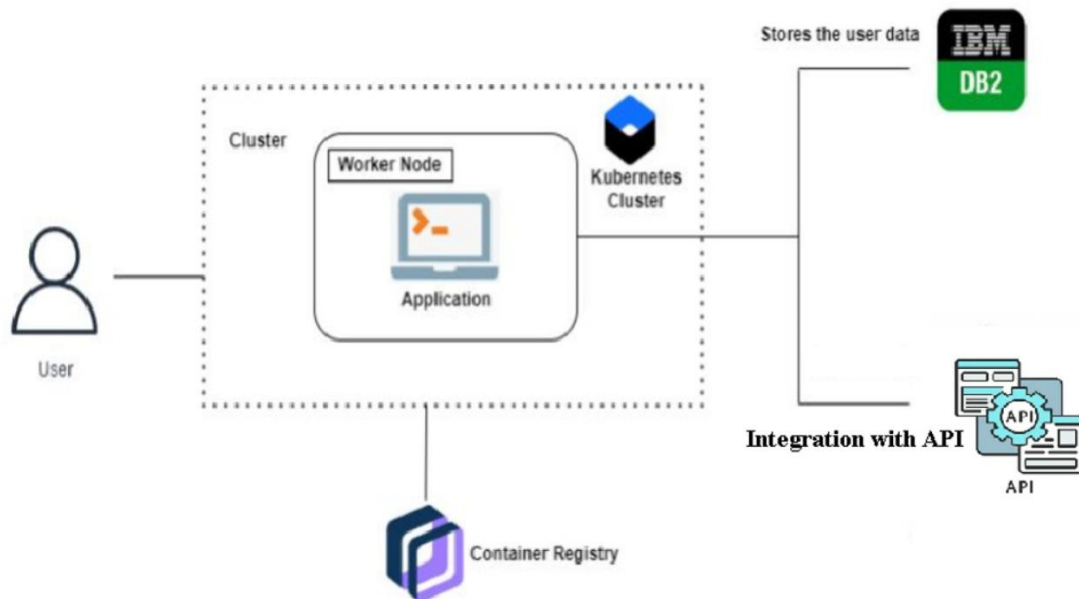
Car insurance protects you from various damages caused to the car, be it repairing a broken windshield or cost of major mechanical repairs due to collision and so on. If you have insurance, the repair costs for major damages in case of an accident are borne by your insurance provider.

2. IDEATION & PROPOSED SOLUTION

2.1 Problem Statement Definition

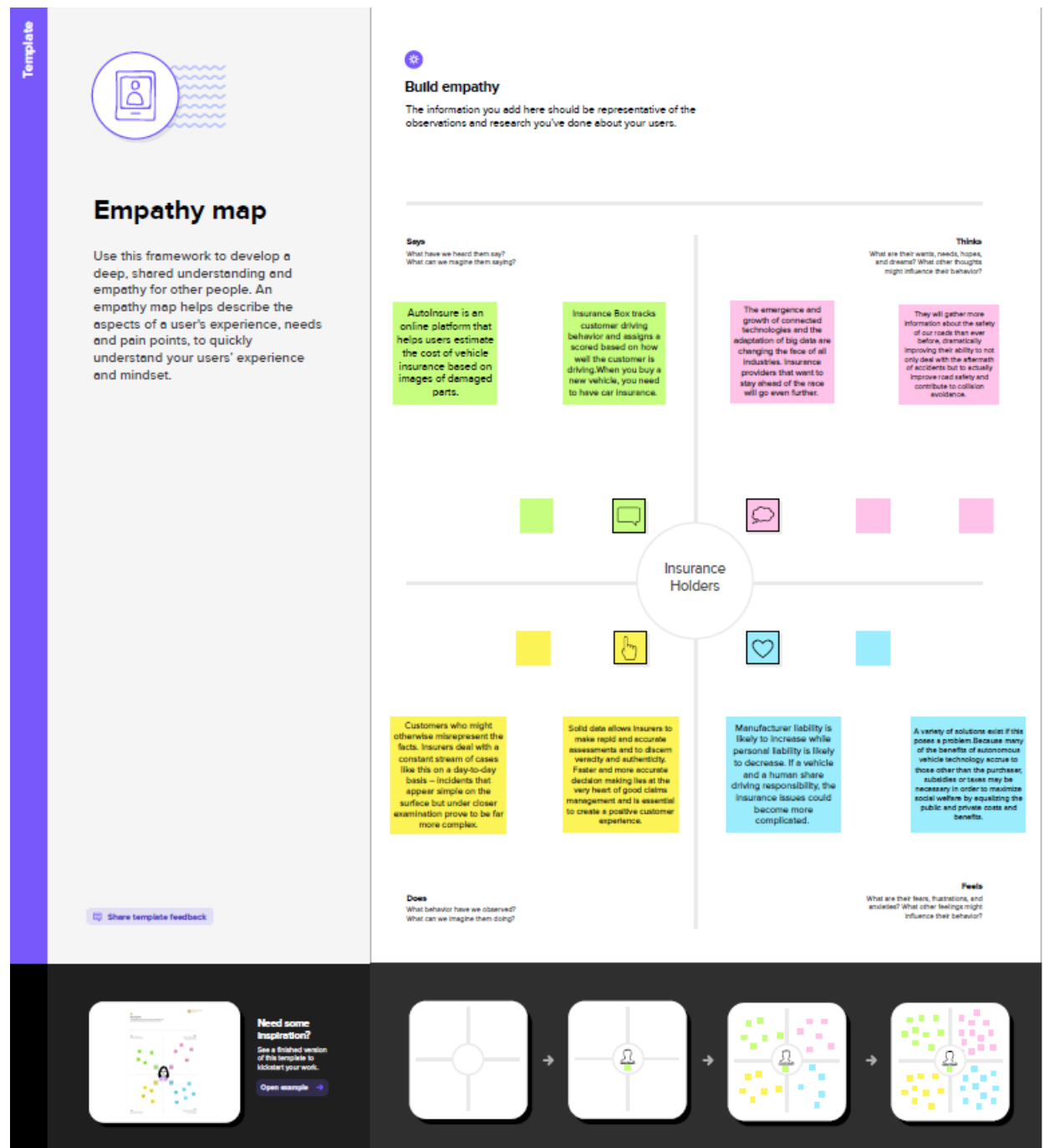
AutoInsure is an online platform that helps users estimate the cost of vehicle insurance based on images of damaged parts. Using this platform, customers can upload images of the damaged parts of their vehicle and receive a report with an estimated insurance amount. The platform uses image analysis technology to assess the damage and generate the report, eliminating the need for a manual process.

Technical Architecture:



2.2 Empathy Map Canvas

Empathy maps are commonly used to gain a deeper understanding of users' needs, thoughts, and emotions. Here's an empathy map for Navigating the Empathy Map:



2.3 Ideation & Brainstorming

Says

AutoInsure is an online platform that helps users estimate the cost of vehicle insurance based on images of damaged parts. Insurance Box tracks customer driving behavior and assigns a score based on how well the customer is driving. When you buy a new vehicle, you need to have car insurance.

Insurance Box tracks customer driving behavior and assigns a score based on how well the customer is driving. When you buy a new vehicle, you need to have car insurance.

Thinks

The emergence and growth of connected technologies and the adaptation of big data are changing the face of all industries. Insurance providers that want to stay ahead of the race will go even further. Manufacturer liability is likely to increase while personal liability is likely to decrease. If a vehicle and a human share driving responsibility, the insurance issues could become more complicated.

They will gather more information about the safety of our roads than ever before, dramatically improving their ability to not only deal with the aftermath of accidents but to actually improve road safety and contribute to collision avoidance.

Does

Customers who might otherwise misrepresent the facts. Insurers deal with a constant stream of cases like this on a day-to-day basis – incidents that appear simple on the surface but under closer examination prove to be far more complex.

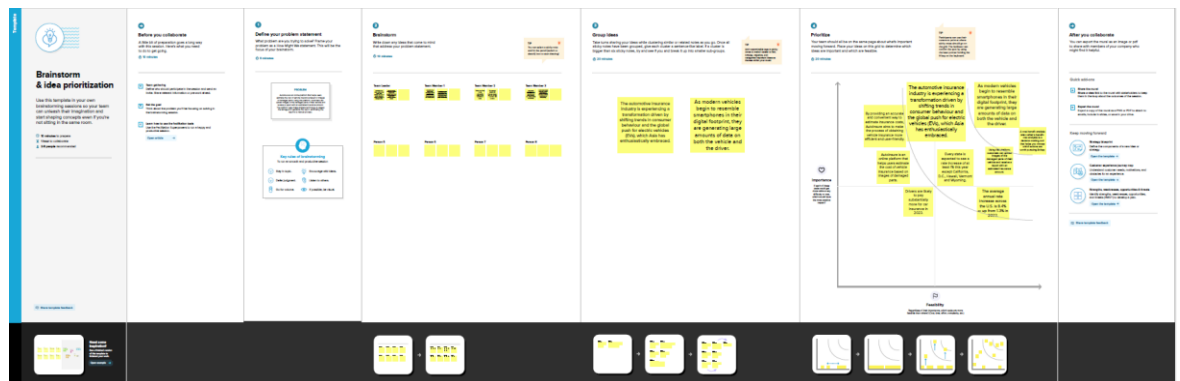
Solid data allows insurers to make rapid and accurate assessments and to discern veracity and authenticity. Faster and more accurate decision making lies at the very heart of good claims management and is essential to create a positive customer experience.

Feels

Manufacturer liability is likely to increase while personal liability is Likely to decrease. If a vehicle and a human share driving responsibility, the insurance issues could become more complicated.

A variety of solutions exist if this poses a problem. Because many of the benefits of autonomous vehicle technology accrue to those other than the purchaser, subsidies or taxes may be necessary in order to maximize social welfare by equalizing the public and private costs and benefits.

2.4 Proposed Solution



S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Auto Insure is an online platform that helps users estimate the cost of vehicle insurance based on images of damaged parts. Using this platform, customers can upload images of the damaged parts of their vehicle and receive a report with an estimated insurance amount. The platform uses image analysis technology to assess the damage and generate the report, eliminating the need for a manual process. With Auto Insure, users can quickly and easily estimate the cost of insurance or their damaged vehicles, saving time and hassle. By providing an accurate and convenient way to estimate insurance costs, Auto Insure aims to make the process of obtaining vehicle insurance more efficient and user-friendly.
2.	Idea / Solution description	Auto insurance provides customers with financial protection against physical damage to the vehicle. It makes every vehicle owner a prospect by default. Also, federal laws require drivers to carry liability insurance so that they can cover the cost of damage to people or property in the instances of accidents.
3.	Novelty / Uniqueness	Buying a new car or a bike has traditionally been an offline process. Even with online auto dealers and aggregators now an important part of the ecosystem, a key part of the buying cycle is still offline. People visit the dealers, test drive, negotiate, and then arrive at a buying decision even though they have already done a lot of research online.

4.	Social Impact / Customer Satisfaction	<p>Customer engagement happens when the customer interacts directly with the brand or the company. This is one of the best ways to get feedback. Moreover, it strengthens the relationship and gives a sense of empowerment to the customers, which is beneficial for the company in the long run. This way the brand is also able to create goodwill in the eyes of the customer creating brand loyalty. Social media plays a significant role in shaping the decision of a customer as the platform has given the options of reviews, suggestions and ratings helping the customer to form an opinion about buying the product. With the use of social media, the brands can reach their target consumers and share across information, identify potential customers, promote content, etc. to garner the maximum attention of the customers.</p>
5.	Business Model (Revenue Model)	<p>There are many insurance companies who have been active on the social media platforms. Understanding the need of the hour in this highly competitive world, today the insurance companies have marked their presence on various social media platforms. The number of followers and subscribers indicates the popularity and implies the efficient management of the social media handle of the insurance company.</p>

Fig: Proposed Solution

3.Solution Requirements (Functional & Non-functional)

Date	06 May 2023
Team ID	NM2023TMID19980
Project Name	Navigating the complex world of auto insurance : A vehicle cost analysis for better decision making

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Marketing	Marketing strategies must be clear
FR-4	About products	Product description must mentioned

Non-functional Requirements:

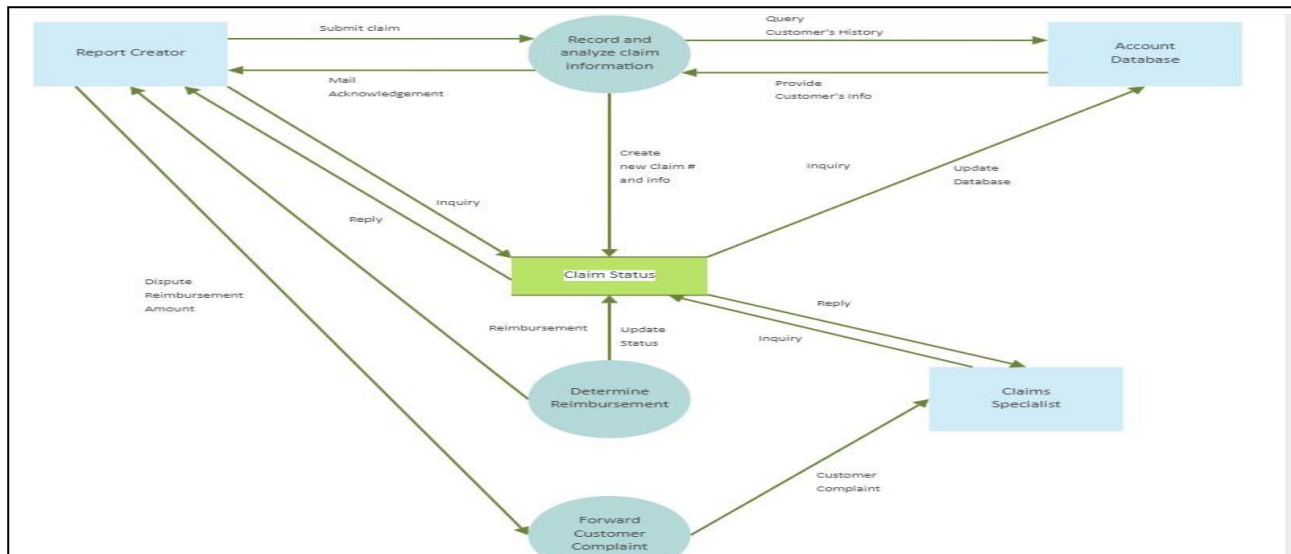
Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Ease with which a user can learn to use the solution.
NFR-2	Security	Aspects of a solution that protect solution content or components from accidental or malicious access or use.
NFR-3	Reliability	Ability of a solution to perform its required functions under stated conditions for a specified period.
NFR-4	Performance	Degree a solution performs its designated functions with minimum consumption of resources.
NFR-5	Availability	Degree the solution is operable and accessible when required for use.
NFR-6	Scalability	Degree with which a solution can grow or evolve to handle increased amounts of work.

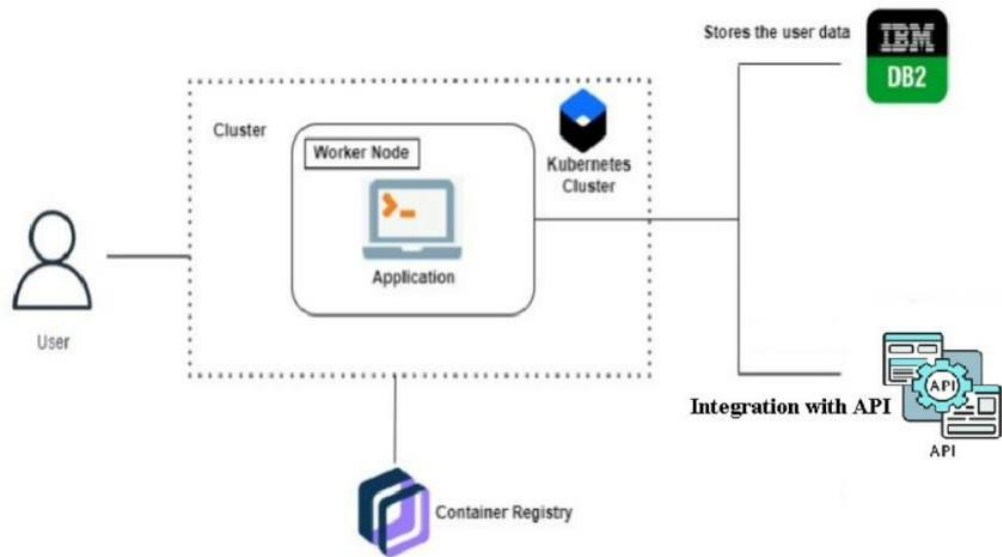
4. PROJECT DESIGN

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



TECHNICAL ARCHITECTURE:



User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Team Member
Operator (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Jeba
Operator	Verification	USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Jeba
Operator	Login	USN-3	As a user, I can log into the web based dashboards by entering corresponding email & password	I can access the dashboard and monitors data	High	Gifty
Operator	Control access	USN-4	As a user, I have access to change particular existing settings.	I can change settings according to the requirement.	Medium	Ancy
Operator	notification	USN-5	As a user, I can see the notification from the system	I can respond to alert notification	High	Glory
Operator	Another access	USN-6	Member of this monitoring system can also access the dashboards	Team work	medium	Jeba, Gifty, Ancy, Glory.
Developer	Service	USN-7	As a developer, I should ensure that the system runs in effective way	I can provide customer service to hospital administrators	High	Jeba
Developer	training	USN-8	As an developer, I could provide training to the respective operators	Provide training about the system	Medium	Ancy
Administrator	Monitoring	USN-9	As an administrator, I should monitor the operators	Monitors the operators	Low	Gifty

5. CODING AND SOLUTION

Feature – Register page

CODE:

```
<form action="action_page.php">
  <div class="container">
    <h1>Register</h1>
    <p>Please fill in this form to create an account.</p>
    <hr>

    <label for="email"><b>Email</b></label>
    <input type="text" placeholder="Enter Email" name="email" id="email"
required>

    <label for="psw"><b>Password</b></label>
    <input type="password" placeholder="Enter Password" name="psw" id="psw"
required>

    <label for="psw-repeat"><b>Repeat Password</b></label>
    <input type="password" placeholder="Repeat Password" name="psw-repeat"
id="psw-repeat" required>
    <hr>

    <p>By creating an account you agree to our <a href="#">Terms &
Privacy</a>.</p>
    <button type="submit" class="registerbtn">Register</button>
  </div>

  <div class="container signin">
    <p>Already have an account? <a href="#">Sign in</a>.</p>
  </div>
</form>
```

CSS

```
* {box-sizing: border-box}

/* Add padding to containers */
.container {
  padding: 16px;
}
```

```

/* Full-width input fields */
input[type=text], input[type=password] {
  width: 100%;
  padding: 15px;
  margin: 5px 0 22px 0;
  display: inline-block;
  border: none;
  background: #f1f1f1;
}

input[type=text]:focus, input[type=password]:focus {
  background-color: #ddd;
  outline: none;
}

/* Overwrite default styles of hr */
hr {
  border: 1px solid #f1f1f1;
  margin-bottom: 25px;
}

/* Set a style for the submit/register button */
.registerbtn {
  background-color: #04AA6D;
  color: white;
  padding: 16px 20px;
  margin: 8px 0;
  border: none;
  cursor: pointer;
  width: 100%;
  opacity: 0.9;
}

.registerbtn:hover {
  opacity: 1;
}

/* Add a blue text color to links */
a {

```

```
color: dodgerblue;  
}
```

```
/* Set a grey background color and center the text of the "sign in" section */  
.signin {  
    background-color: #f1f1f1;  
    text-align: center;  
}
```



Login Page

HTML

```
<form action="action_page.php" method="post">  
  <div class="imgcontainer">  
      
  </div>  
  
  <div class="container">  
    <label for="uname"><b>Username</b></label>  
    <input type="text" placeholder="Enter Username" name="uname" required>  
  
    <label for="psw"><b>Password</b></label>
```



```

<input type="password" placeholder="Enter Password" name="psw" required>

<button type="submit">Login</button>
<label>
  <input type="checkbox" checked="checked" name="remember"> Remember
me
</label>
</div>

<div class="container" style="background-color:#f1f1f1">
  <button type="button" class="cancelbtn">Cancel</button>
  <span class="psw">Forgot <a href="#">password?</a></span>
</div>
</form>

```

CSS

```

/* Bordered form */
form {
  border: 3px solid #f1f1f1;
}

/* Full-width inputs */
input[type=text], input[type=password] {
  width: 100%;
  padding: 12px 20px;
  margin: 8px 0;
  display: inline-block;
  border: 1px solid #ccc;
  box-sizing: border-box;
}

/* Set a style for all buttons */
button {
  background-color: #04AA6D;
  color: white;
  padding: 14px 20px;
  margin: 8px 0;
  border: none;
  cursor: pointer;
  width: 100%;
}

/* Add a hover effect for buttons */
button:hover {

```

```

    opacity: 0.8;
}

/* Extra style for the cancel button (red) */
.cancelbtn {
    width: auto;
    padding: 10px 18px;
    background-color: #f44336;
}

/* Center the avatar image inside this container */
.imgcontainer {
    text-align: center;
    margin: 24px 0 12px 0;
}

/* Avatar image */
img.avatar {
    width: 40%;
    border-radius: 50%;
}

/* Add padding to containers */
.container {
    padding: 16px;
}

/* The "Forgot password" text */
span.psw {
    float: right;
    padding-top: 16px;
}

/* Change styles for span and cancel button on extra small screens */
@media screen and (max-width: 300px) {
    span.psw {
        display: block;
        float: none;
    }
    .cancelbtn {
        width: 100%;
    }
}

```


compare companies in the insurance industry against each other to see which would be a better investment. It has 50% of performance in our application.

CONCLUSION

Insurance is a large investment and you will most likely purchase multiple policies throughout your lifetime. It is essential that you know what each type of insurance covers and how it works so you can make the best decision about what to buy. Do not base your decision on just what is cheapest, but look at what it provides.

Take the time to shop around and find the right insurance for your situation. People often say they cannot afford insurance, but the reality is that they cannot afford not to have it. It can save them from thousands or more dollars in unplanned expenses when unexpected situations arise. You do not want to waste your money on policies that do not meet your needs, but the right insurance policy can protect you and your family from unforeseen disasters.

FUTURE WORK

The insurance industry in India is likely to introduce new trends like product innovation, multi-distribution, better claims management, and regulatory trends in the Indian market as incomes rise and purchasing power and household savings grow exponentially.

APPENDIX

SOURCE CODE

View.php

```
<?php
```

```
include "connection.php";
```

```

if(is_numeric($_GET['Policy_Num'])){

$sql = "select * from policy_data where Policy_Num =
'".$_GET['Policy_Num']."'";

$result = mysqli_query($conn,$sql);

$row = mysqli_fetch_object($result);

$sql1 = "select * from customer where Customer_Num = $row-
>Customer_Num";

$result1 = mysqli_query($conn,$sql1);

$row1 = mysqli_fetch_object($result1);

$sql2 = "select * from agent where Agent_code = '$row->Agent_code'";

$result2 = mysqli_query($conn,$sql2);

$row2 = mysqli_fetch_object($result2);

$sql3 = "select * from premium where Policy_Num = $row-
>Policy_Num";

$result3 = mysqli_query($conn,$sql3);

$row3 = mysqli_fetch_object($result3);

}

```

?>

<html>

<head>

<title>Policy Information</title>

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

```

</head>

<body>

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

    <ul>

        <li><a href="policy/modified1.php"> Back to Policy
datas</a></li>

        <li style="float:right;"><a href="index.php"> Back to
homepage</a></li>

    </ul>

    <center>

        <h1> Policy Data </h1>

        <!-- width = "50%" border="1" cellspacing = "1" cellpadding
= "3" align="center" -->

        <table width = "90%" height = "80%" border="0" cellspacing = "1"
cellpadding = "3" align="center">

            <tr valign = "top" align = "center">

                <td>Policy Number: <?php echo "$row->Policy_Num";?></td>

                <td>Agent Code: <?php echo "$row2-
>Agent_code";?></td>

                <td>Customer Number: <?php echo "$row1-
>Customer_Num";?></td>

                <td>Customer Name: <?php echo "$row1-
>First_Name $row1->Middle_Name $row1->Last_Name"; ?>

```

```

        </tr>

        <!-- DOC Product Sum_Assured Pay_Period Ins_Period -
->

                <tr valign = "top" align = "center">

                        <td>DOC:      <?php      echo      "$row-
>DOC";?></td>

                        <td>Product:      <?php      echo      "$row-
>Product";?></td>

                        <td>Sum   Assured:  <?php   echo   "$row-
>Sum_Assured";?> Rs.</td>

                        <td>Payment   Period:  <?php   echo   "$row-
>Pay_Period";?> Yrs.</td>

                        <td>Insurance   Period:  <?php   echo   "$row-
>Ins_Period";?> Yrs.</td>

                </tr>

                <tr valign = "top" align = "center">

                        <td>Marital      Status:      <?php      if($row1-
>Marital_status=='M'){echo      "Married";}      else{echo
"UnMarried";} ?></td>

                        <td>Spouse: <?php echo "$row1->Spouse";?></td>

                </tr>

                <tr valign = "top" align = "center">

                        <td>Address:      <?php      echo      "$row1-
>Address";?></td>

                        <td>PIN: <?php echo "$row1->Pincode";?>

```

```

        <td>Contact:      <?php      echo      "$row1-
>Contact_Number";?></td>

    </tr>

    <tr valign = "top" align = "center">

        <td>Mother:      <?php      echo      "$row1-
>Mother_Name";?>[<?php      if($row1->Mother_Status=='D'){echo
"Dead";} else{echo "Alive";}?>]</td>

        <td>Father:      <?php      echo      "$row1-
>Father_Name";?>[<?php      if($row1->Father_Status=='D'){echo "Dead";}
else{echo "Alive";}?>]</td>

    </tr>

</table>

</center>

</body>

</html>

```

Connection.php

```

<?php
    $servername = "localhost";
    $username = "root";
    $password = "";
    $conn = mysqli_connect($servername , $username , $password,"test")
or die("unable to connect to host");
?>

```

Index.php

```

<html>
<head>
<title>
Life Insurance

```



```

</title>
</head>
<body>
<link href = "policy/registration.css" type = "text/css" rel = "stylesheet" />
<link href = "style.css" type = "text/css" rel = "stylesheet" />

<nav>

<ul>
    <li><a href="agent/agent.php"> <h3>Agent Registration</h3></a></li>
    <li><a href="client/client.php"><h3> Client Registration</h3></a></li>
    <li><a href="policy/policy.php"><h3> Policy Registration</h3></a></li>
    <li><a href="premium/premium.php"><h3> Premium
Registration</h3></a></li>
    <li><a href="agent/modified1.php"><h3> Agents Data</h3></a></li>

</ul>

</nav>
<div class="title">
<h1><center>Life Insurance Corporation of VIT</center></h1>
</div>
<div class="links">
<div class="subtitle">
<h2><center>Links to Datas and registration pages</center></h2>
</div>

<ul style="position: fixed; bottom: 0; width: 100%;">
    <li><a href="client/modified1.php"><h3> Customers Data</h3></a></li>
    <li><a href="policy/modified1.php"><h3> Policies Data</h3></a></li>
    <li><a href="premium/modified1.php"><h3> Premiums
Data</h3></a></li>
</ul>

</div>

```

test.sql

```

-- phpMyAdmin SQL Dump
-- version 4.7.7

```

```

-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1
-- Generation Time: Nov 01, 2018 at 10:52 AM
-- Server version: 10.1.30-MariaDB
-- PHP Version: 7.2.2

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET AUTOCOMMIT = 0;
START TRANSACTION;
SET time_zone = "+00:00";


/*!40101 SET
@OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET
@OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS
*/;
/*!40101 SET
@OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;


--
-- Database: `test`
--

-- -----

--
-- Table structure for table `agent`
--

CREATE TABLE `agent` (
  `Agent_code` varchar(10) NOT NULL,
  `Agent_name` varchar(150) NOT NULL,
  `DOB` date NOT NULL,
  `Address` varchar(80) NOT NULL,
  `Pincode` int(6) NOT NULL,
  `Branch` varchar(50) NOT NULL,
  `Contact_Num` bigint(10) NOT NULL

```

```

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `agent`
--

INSERT INTO `agent` (`Agent_code`, `Agent_name`, `DOB`, `Address`,
`Pincode`, `Branch`, `Contact_Num`) VALUES
('234abc231', 'Sanjay', '1966-02-21', '21/694, Satyam Apartment, Refinery Road,
Gorwa', 390016, 'Vadodara', 7016636683);

-----

--
-- Table structure for table `customer`
--

CREATE TABLE `customer` (
  `Customer_Num` bigint(10) NOT NULL,
  `First_Name` varchar(50) NOT NULL,
  `Middle_Name` varchar(50) NOT NULL,
  `Last_Name` varchar(50) NOT NULL,
  `Gender` char(1) NOT NULL,
  `DOB` date NOT NULL,
  `Address` varchar(70) NOT NULL,
  `Pincode` int(6) NOT NULL,
  `Contact_Number` bigint(10) NOT NULL,
  `Mother_Name` varchar(150) NOT NULL,
  `Mother_Status` varchar(10) NOT NULL,
  `Father_Name` varchar(150) NOT NULL,
  `Father_Status` varchar(10) NOT NULL,
  `Marital_status` char(1) NOT NULL,
  `Spouse` varchar(150) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `customer`
--

```

```

INSERT INTO `customer` (`Customer_Num`, `First_Name`, `Middle_Name`,
`Last_Name`, `Gender`, `DOB`, `Address`, `Pincode`, `Contact_Number`,
`Mother_Name`, `Mother_Status`, `Father_Name`, `Father_Status`,
`Marital_status`, `Spouse`) VALUES
(10002, 'Devam', 'Sanjay', 'Sheth', 'M', '2018-10-02', '21/694, Satyam Apartment,
Refinery Road, Gorwa', 390016, 7016636683, 'Harsha Sheth', 'A', 'Sanjay Sheth',
'A', 'S', '');

```

```

--
-- Table structure for table `paid_premium`
--

```

```

CREATE TABLE `paid_premium` (
  `Receipt_Num` int(23) NOT NULL,
  `Receipt_Date` date NOT NULL,
  `Policy_Num` int(15) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

```

```

--
-- Dumping data for table `paid_premium`
--

```

```

INSERT INTO `paid_premium` (`Receipt_Num`, `Receipt_Date`, `Policy_Num`)
VALUES
(325256815, '2018-10-31', 123564789),
(325284137, '2018-11-01', 284049583),
(325289940, '2018-11-01', 123564789);

```

```

--
-- Table structure for table `policy_data`
--

```

```

CREATE TABLE `policy_data` (
  `Policy_Num` int(15) NOT NULL,
  `Customer_Num` bigint(10) NOT NULL,
  `Agent_code` varchar(10) NOT NULL,

```

```

`DOC` date NOT NULL,
`Product` varchar(50) NOT NULL,
`Sum_Assured` int(10) NOT NULL,
`Pay_Period` int(2) NOT NULL,
`Ins_Period` int(2) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `policy_data`
--

INSERT INTO `policy_data` (`Policy_Num`, `Customer_Num`, `Agent_code`,
`DOC`, `Product`, `Sum_Assured`, `Pay_Period`, `Ins_Period`) VALUES
(123564789, 10002, '234abc231', '2018-10-02', 'Jeevan Labh', 35000, 5, 10),
(284049583, 10002, '234abc231', '2007-06-20', 'Jeevan Lakshya', 450000, 35, 80);

-----

--
-- Table structure for table `premium`
--

CREATE TABLE `premium` (
  `Policy_Num` int(15) NOT NULL,
  `Premium` int(10) NOT NULL,
  `Mode` varchar(3) NOT NULL,
  `Last_date` date NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `premium`
--

INSERT INTO `premium` (`Policy_Num`, `Premium`, `Mode`, `Last_date`)
VALUES
(123564789, 3500, 'YLY', '2018-12-01'),
(284049583, 469, 'MLY', '2018-12-01');

-----

```

```

--
-- Table structure for table `unpaid_premium`
--

CREATE TABLE `unpaid_premium` (
  `Policy_Num` int(15) NOT NULL,
  `Fine` int(10) NOT NULL,
  `Lateness` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `unpaid_premium`
--

INSERT INTO `unpaid_premium` (`Policy_Num`, `Fine`, `Lateness`) VALUES
(123564789, 0, 0),
(284049583, 0, 0);

--
-- Indexes for dumped tables
--

--
-- Indexes for table `agent`
--
ALTER TABLE `agent`
  ADD PRIMARY KEY (`Agent_code`);

--
-- Indexes for table `customer`
--
ALTER TABLE `customer`
  ADD PRIMARY KEY (`Customer_Num`);

--
-- Indexes for table `paid_premium`
--
ALTER TABLE `paid_premium`
  ADD PRIMARY KEY (`Receipt_Num`),
  ADD KEY `paid_premium_ibfk_1` (`Policy_Num`);

```

```

--
-- Indexes for table `policy_data`
--
ALTER TABLE `policy_data`
  ADD PRIMARY KEY (`Policy_Num`),
  ADD KEY `Agent_code` (`Agent_code`),
  ADD KEY `Customer_Num` (`Customer_Num`);

--
-- Indexes for table `premium`
--
ALTER TABLE `premium`
  ADD PRIMARY KEY (`Policy_Num`);

--
-- Indexes for table `unpaid_premium`
--
ALTER TABLE `unpaid_premium`
  ADD PRIMARY KEY (`Policy_Num`);

--
-- AUTO_INCREMENT for dumped tables
--

--
-- AUTO_INCREMENT for table `customer`
--
ALTER TABLE `customer`
  MODIFY `Customer_Num` bigint(10) NOT NULL AUTO_INCREMENT,
  AUTO_INCREMENT=10003;

--
-- Constraints for dumped tables
--

--
-- Constraints for table `paid_premium`
--
ALTER TABLE `paid_premium`

```

```
ADD CONSTRAINT `paid_premium_ibfk_1` FOREIGN KEY (`Policy_Num`)
REFERENCES `premium` (`Policy_Num`) ON DELETE CASCADE ON
UPDATE CASCADE;
```

```
--
-- Constraints for table `policy_data`
--
```

```
ALTER TABLE `policy_data`
ADD CONSTRAINT `Agent_code` FOREIGN KEY (`Agent_code`)
REFERENCES `agent` (`Agent_code`) ON DELETE CASCADE ON UPDATE
CASCADE,
ADD CONSTRAINT `Customer_Num` FOREIGN KEY (`Customer_Num`)
REFERENCES `customer` (`Customer_Num`) ON DELETE CASCADE ON
UPDATE CASCADE;
```

```
--
-- Constraints for table `premium`
--
```

```
ALTER TABLE `premium`
ADD CONSTRAINT `premium_ibfk_1` FOREIGN KEY (`Policy_Num`)
REFERENCES `policy_data` (`Policy_Num`) ON DELETE CASCADE ON
UPDATE CASCADE;
```

```
--
-- Constraints for table `unpaid_premium`
--
```

```
ALTER TABLE `unpaid_premium`
ADD CONSTRAINT `Policy` FOREIGN KEY (`Policy_Num`) REFERENCES
`premium` (`Policy_Num`) ON DELETE CASCADE ON UPDATE CASCADE;
COMMIT;
```

```
/*!40101 SET
CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET
CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET
COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

delete.php


```

<?php
include "../connection.php";
if(is_numeric($_GET['pol'])){
$sql = "delete from policy_data where Policy_Num = '".$_GET['pol']."'";
$result = mysqli_query($conn,$sql);
}
header('Location:modified1.php');
?>

```

input.php

```

<?php
include "../connection.php";
$pn=$_POST['Policy_Num'];
$cn=$_POST['Customer_Num'];
$sac=$_POST['Agent_code'];
$d=$_POST['DOC'];
$p=$_POST['Product'];
$sa=$_POST['Sum_assured'];
$pp=$_POST['Payment_period'];
$ip=$_POST['Ins_period'];
$mode=$_POST['mode'];
if ($mode=='MLY'){
    $pre = $sa/($ip*12);
    $ld = date('Y-m-d', strtotime($d. ' + 1 months'));
}
else if ($mode=='QLY'){
    $pre = $sa/($ip*4);
    $ld = date('Y-m-d', strtotime($d. ' + 3 months'));
}
else if ($mode=='YLY'){
    $pre = $sa/($ip);
    $ld = date('Y-m-d', strtotime($d. ' + 1 years'));
}
else if ($mode=='SSS'){
    $pre = $sa;
    $ld = $d;
}

```

```

        $query="insert into
policy_data(Policy_Num,Customer_Num,Agent_code,DOC,Product,Sum_Assured
,Pay_Period,Ins_Period) values($pn,$cn,'$ac','$d','$p',$sa,$pp,$ip)";
        mysqli_query($conn,$query) or die($query."Can't Connect to
Query...");
        $query2="insert into
premium(Policy_Num,Premium,Mode,Last_date) values($pn,$pre,'$mode','$ld)";
        mysqli_query($conn,$query2) or die($query2."Can't Connect to
Query...");
        $query3="insert into unpaid_premium(Policy_Num,Fine,Lateness)
values($pn,0,0)";
        mysqli_query($conn,$query3) or die($query2."Can't Connect to
Query...");
?>

```

modified.php

```
<?php
```

```
include "input.php";
```

```

if(isset($_POST['Policy_Num'])){
$sql = "delete from policy_data where id = '".$_POST['Policy_Num']."'";
$result = mysqli_query($conn,$sql);
}

```

```

$sql = "select * from policy_data";
$result = mysqli_query($conn,$sql);
?>

```

```
<html>
```

```
<body>
```

```

        <link href = "../style.css" type = "text/css" rel = "stylesheet" />
        <link href = "registration.css" type = "text/css" rel = "stylesheet" />
        <table width = "100%" border = "1" cellspacing = "1" cellpadding = "1">
        <tr>
                <td>Policy Number</td>
                <td>Customer Number</td>
                <td>Agent code</td>
                <td>DOC</td>
                <td>Product</td>
                <td>Sum Assured</td>

```

```

        <td>Payment Period</td>
        <td>Installmet period</td>
        <td colspan = "2">Premium Data</td>
        <td colspan = "2">Action</td>
    </tr>
<?php
    while($row = mysqli_fetch_object($result)){

?>
        <tr>
            <td>
                <?php echo $row->Policy_Num;?>
            </td>
            <td>
                <?php echo $row->Customer_Num;?>
            </td>
            <td>
                <?php echo $row->Agent_code;?>
            </td>
            <td>
                <?php echo $row->DOC;?>
            </td>
            <td>
                <?php echo $row->Product;?>
            </td>
            <td>
                <?php echo $row->Sum_Assured;?>
            </td>
            <td>
                <?php echo $row->Pay_Period;?>
            </td>
            <td>
                <?php echo $row->Ins_Period;?>
            </td>
            <td>
                <a
href=" ../premium/policy.php?policy_Num="<?php echo $row->Pol;?>">Premium
Data </a>

```

```

        </td>
        <td> <a href="listing.php?id =
            <?php echo $row->id;?>" onclick="return
confirm('Are You Sure')">Delete
        </a> | <a href="index.php?id =
            <?php echo $row->id;?>" onclick="return
confirm('Are You Sure')">Edit
        </a> </td>
    </tr>
<?php } ?>
</table>
<?php header('Location:modified1.php');?>
</body>
</html>

```

registration

```

.container {
    max-width: 1350px;
    width: 100%;
    margin: 50px;
    height: auto;
    display: block;
}

body {
    color: #8A2BE2;
    font-size: 20px;
    font-family: Verdana, Arial, Helvetica, monospace;
    background-color: #F0E8A0;
}

h2 {
    text-align: center;
}

.form_group {
    padding: 10px;
    ;
display: block;
}

```

```

label {
    float: left;
    padding-right: 50px;
    line-height: 10%;
    display: block;
    width: 208px;
}

```

policy.php

```

<html>
    <head>
        <title>Registration Form</title>
    </head>
    <body>
        <link href = "registration.css" type = "text/css" rel = "stylesheet" />
        <link href = "../style.css" type = "text/css" rel = "stylesheet" />
        <ul>
            <li style="float:right;"><a href="../index.php"> Back to
homepage</a></li>
        </ul>
        <h2>Policy</h2>
        <form name = "form1" action='modified.php' method = 'POST' enctype =
"multipart/form-data" >
            <div class = "container">
                <div class = "form_group">
                    <label>Policy Number:</label>
                    <input type = "text" name = "Policy_Num" required pattern="[0-
9]{9}"/>
                    <font size = "1">Enter 9 digit number.</font>
                </div>
                <div class = "form_group">
                    <label>Customer Number:</label>
                    <select name = "Customer_Num">
                        <?php
                            include "../connection.php";
                            $sql="select * from customer";
                            $result = mysqli_query($conn,$sql);

```

```

                $i=0;
                while($row=mysqli_fetch_object($result)){
                    $i++;
                ?>
                <option value = "<?php echo $row-
>Customer_Num?>"><?php echo $row->Customer_Num?></option>
                <?php } ?>
            </select>
        </div>
        <div class = "form_group">
            <label>Agent Code:</label>
            <select name = "Agent_code">
                <?php
                    include "../connection.php";
                    $sql="select * from agent";
                    $result = mysqli_query($conn,$sql);
                    $i=0;
                    while($row=mysqli_fetch_object($result)){
                        $i++;
                    }
                ?>
                <option value = "<?php echo $row-
>Agent_code?>"><?php echo $row->Agent_code?></option>
                <?php } ?>
            </select>
        </div>
        <div class = "form_group">
            <label>DOC:</label>
            <input type = "date" name = "DOC" value = "" required />
        </div>
        <div class = "form_group">
            <label>Product:</label>
            <input type = "text" name = "Product" value = "" required />
        </div>
        <div class = "form_group">
            <label>Sum Assured: </label>
            <input type = "text" name = "Sum_assured" value = "" required />
        </div>
        <div class = "form_group">
            <label>Payment Period: </label>

```

```

        <input type = "text" name = "Payment_period" value = "" required />
    </div>
        <div class = "form_group">
            <label>Insurance Period: </label>
            <input type = "text" name = "Ins_period" value = "" required />
        </div>
        <div class = "form_group">
            <label>Premium mode: </label>
            <input type = "radio" name = "mode" value = "MLY" required
/>Monthly
            <input type = "radio" name = "mode" value =
"YLY" required />Yearly
            <input type = "radio" name = "mode" value =
"QLY" required />Quarterly
            <input type = "radio" name = "mode" value =
"SSS" required />Single premium
        </div>
        <div class = "form_group">
            <input type = "submit" value = "submit"/>
        </div>
        <div class = "form_group">
            <input type = "reset" value = "reset"/>
        </div>
    </div>
</form>
</body>
</html>

```

agent.php

```

<html>
    <head>
        <title>Registration Form</title>
    </head>
    <body>
        <link href = "registration.css" type = "text/css" rel = "stylesheet" />
        <link href = "../style.css" type = "text/css" rel = "stylesheet" />
        <ul>

```

```

        <li style="float:right;"><a href="../index.php">Back to
homepage</a></li>
    </ul>
    <h2>Agent</h2>
    <form name = "form1" action='modified.php' method = 'POST' enctype =
"multipart/form-data" >
        <div class = "container">
            <div class = "form_group">
                <label>Agent Code:</label>
                <input type = "text" name = "Agent_code" required pattern="[0-
9]{3}[A-Z a-z]{3}[0-9]{3}" />
            </div>
            <div class = "form_group">
                <label>Name:</label>
                <input type = "text" name = "Agent_Name" value = "" required />
            </div>
            <div class = "form_group">
                <label>Date of Birth:    </label><input type = "date" name = "DOB"
value = "" required />
            </div>
            <div class = "form_group">
                <label>Address:</label>
                <input type = "text" name = "Address" value = "" required />
            </div>
            <div class = "form_group">
                <label>Pincode: </label>
                <input type = "text" name = "Pincode" value = "" required />
            </div>
            <div class = "form_group">
                <label>Branch: </label>
                <input type = "text" name = "Branch" value = "" required" />
            </div>
            <div class = "form_group">
                <label>Contact Number: </label>
                <input type = "text" name = "Contact_Number" value = "" required
pattern="[0-9]{10}" />
            </div>
            <div class = "form_group">
                <input type = "submit" value = "submit"/>
            </div>
        </div>
    </form>

```



```
</div>
      <div class = "form_group">
        <input type = "reset" value = "reset"/>
      </div>
```

```
</div>
</form>
</body>
</html>
```

Project video demo link:

<https://drive.google.com/file/d/1aVmR8akNZ31sBUIUkX2mIALIbMZQDXIy/view?usp=drivesdk>