ONLINE LAPTOP APPLICATION

A Mini Project Report

Submitted by

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IN

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AIM:

To develop a online laptop application using HTML, CSS, Bootstrap, JavaScript along with database connectivity.

PROCEDURE:

Login.html:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css"
rel="stylesheet">
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js"></script>
<link rel="stylesheet" type="text/css" href="styles/login.css">
<style>
body
{
background-image: url("assets/b1.jfif");
background-repeat: no-repeat;
background-size: 100% 1000px;
}
</style>
</head>
<body>
<nav class="navbar navbar-expand-sm navbar-dark bg-dark">
<div class="container-fluid">
<button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
target="#collapsibleNavbar">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="collapsibleNavbar">
<ul class="navbar-nav me-auto">
```

```html
<li class="nav-item">
<a class="nav-link" href="login.html"  style="color:white;"><H5>Home</H5></a>
</li>
<a class="nav-link" href="login.html" style="color:white;"><H5>Login</H5></a>
</li>
<li class="nav-item">
<a class="nav-link" href="register.html" style="color:white;"><H5>Register</H5></a>
</li>
<li class="nav-item">
<a class="nav-link" href="abouts.html" style="color:white;"><H5>About us</H5></a>
</li>
<li class="nav-item">
</ul>
</div>
</div>
</div>
</nav>
<br>
<div class="container-fluid">
<div class="row">
<div class="col-md-8">
<div class="welcome">
<h1 style="color:white; text-align: center;">Welcome to our website!!<br>Sign up now & enjoy ur
first purchase</h1><br>
<h5 style="color: white; text-align: center;">You can visit our laptops here</h5>
</div>
</div>
<div class="col-md-4">
<div class="f">
<div class="hello">
<center><h1>Login</h1></center>
</div>
<table><div class="user">
<tr><td>
<label> Name</label></td>
```

```html
<td><input type="text" name="name" id="name"  placeholder="Enter your name"
required></td></tr>
<br><br>
<tr><td>
<label> Password</label></td>
<td><input type="text" name="password" id="password"  placeholder="Enter your password"
required></td></tr></div>
</table>
<br><br>
<center><a href="products.html"><button type="button" class="btn btn-
primary">Login</button></a>
<a href=" "><button type="button" class="btn btn-primary">Forgot
password</button></a></center><br>
<br><center>If there is no account <a href="register.html">Register here</a><br><br></center>
</div>
</div>
</div>
</div>
</body>
</html>
```

Register.html:

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css"
rel="stylesheet">
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js"></script>
<link rel="stylesheet" type="text/css" href="styles/register.css">
<style>
<body>
```

```
{
background-color: aliceblue;
}
</style>
</head>
<script type="text/javascript">

window.addEventListener("load",start,false);
function moveone(){
document.getElementById("move").innerHTML="Registration Form";
}
function start()
{
document.getElementById("move").addEventListener("mousemove",moveone,false);
document.getElementById("picture").addEventListener("mouseover",over,false);
document.getElementById("picture").addEventListener("mouseout",out,false);
}
function over(e) {
document.getElementById("picture").setAttribute("src","assets/b1.jfif");
}
function out(e) {
e.target.setAttribute("src","assets/l4.jpg");
}
function myFunction(x) {
x.style.background = "lightgray";
}
function blurFunction(x){
x.style.background="lavender";
}
function create_account(){
var n=document.getElementById("name").value;
var e=document.getElementById("email").value;
var a=document.getElementById("address").value;
var dob=document.getElementById("dob").value;
var mob=document.getElementById("mob").value;
```

```
var p=document.getElementById("password").value;
var cp=document.getElementById("confirm").value;
var letters = /^[A-Za-z]+$/;
var email_val = /^([a-zA-Z0-9_\.\-])+\@(([a-zA-Z0-9\-])+\.)+([a-zA-Z0-9]{2,4})+$/;
if(n==''||e==''||a==''||dob==''||mob==''||p==''||cp==''){
alert("Enter each details correctly");
}
else if(!letters.test(n))
{
alert('Name is incorrect must contain alphabets only');
}
else if (!email_val.test(e))
{
alert('Invalid email format please enter valid email id');
}
else if(p!=cp)
{
alert("Passwords not matching");
}
else if(document.getElementById("password").value.length > 12)
{
alert("Password maximum length is 12");
}
else if(document.getElementById("password").value.length < 6)
{
alert("Password minimum length is 6");
}
else{
alert("Your account has been created successfully...");
window.location="file:///E:/web-laptop/login.html";
}
}
</script>
<body>
<nav class="navbar navbar-expand-sm navbar-dark bg-dark">
```

```html
<div class="container-fluid">

<button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#collapsibleNavbar">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="collapsibleNavbar">
<ul class="navbar-nav me-auto">
<li class="nav-item">
<a class="nav-link" href="login.html"  style="color:white;"><H5>Home</H5></a>
</li>
<a class="nav-link" href="login.html" style="color:white;"><H5>Login</H5></a>
</li>
<li class="nav-item">
<a class="nav-link" href="products.html" style="color:white;"><H5>Laptop</H5> </a>
</li>
<li class="nav-item">
<a class="nav-link" href="abouts.html" style="color:white;"><H5>About us</H5></a>
</li>
<li class="nav-item">
</ul>
</div>
</div>
</div>
</nav>
<br>
<div class="container-fluid">
<div class="row">
<div class="col-md-7">
<div class="img-responsive"><br><br><br>
<img src="assets/l4.jpg" id="picture" alt="" class="img-thumbnail" ></div>
</div>
<div class="col-md-5">
<div class="f">
<div class="hello">
```

```html
<center><h1 id="move">Register</h1></center>
</div><br>
<form>
<table cellspacing="2" align="center" cellpadding="8" border="0">
<tr><td> Name</td>
<td><input type="text" placeholder="Enter your name" name="name" id="name"
onfocus="myFunction(this)" onblur="blurFunction(this)"></td></tr>
<tr><td>Email</td>
<td><input type="text" placeholder="Enter your email id" name="email" id="email"
onfocus="myFunction(this)" onblur="blurFunction(this)"></td></tr>
<tr><td>Address</td>
<td><input type="text" placeholder="Enter your Address" name="address" id="address"
onfocus="myFunction(this)" onblur="blurFunction(this)"></td></tr>
<tr><td>Date of birth</td>
<td><input type="date" name="dob" id="dob" onfocus="myFunction(this)"
onblur="blurFunction(this)"></td></tr>
<tr><td>Mobile number</td>
<td><input type="text" placeholder="Enter your mobile number" name="mob" id="mob"
onfocus="myFunction(this)" onblur="blurFunction(this)"></td></tr>
<tr><td> Set Password</td>
<td><input type="password" placeholder="Set a password" name="password" id="password"
onfocus="myFunction(this)" onblur="blurFunction(this)"></td></tr>
<tr><td>Conform Password</td>
<td><input type="password" placeholder="Confirm your password" id="confirm"
onfocus="myFunction(this)" onblur="blurFunction(this)"></td></tr>
<tr><td>
</table>
<center><button type="button" class="btn btn-primary"
onClick="create_account()">Submit</button></center>
</form>
</div>
</div>
</div>
</div>
```

```html
</body>
</html>
```

About.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<link rel="stylesheet" href="styles/about.css">
<title>Document</title>
</head>
<body>
<div class="bool">
<center> <img src="assets/fs.jpg" alt="" height="400px" width="80%"></center>
</div>
<br><br>
<div class="hel"><h1>About Us</h1></div>
<div class="msg">
<p>This website provides easy interface to customer for purchasing laptops online. You can also send us email and call us
on Week days. <br>Thank you for your patience and hope you had a great shopping here.</p>
</div>

<div class="contact">
<br>
<p>EMAIL ID:laptop@gmail.com</p>
<p>CONTACT NO:+91 9876543210</p>
</div>
</body>
</html>
```

Dellview.html

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css"
rel="stylesheet">
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js"></script>
</head>
<body>
<div class="container-fluid">
<div class="row">
<div class="col-md-5 col-md-offset-1">
<div class="img-responsive"><br><br><br>
<img src="assets/l1.jfif" alt="" class="img-thumbnail" ></div>
</div>
<div class=" col-md-6 ">
<div class="hello"><br>
<center><h2>DELL lap</h2></center><br>
<p><b>Price : 49,990.00</b></p>
</div>
<hr>
<b>Processor</b> <br>
12th Gen Intel® Core™ i3-1215U (10 MB cache, 6 cores, 8 threads, up to 4.40 GHz Turbo)
<br><hr>
<b>Operating System </b> <br>
Windows 11
<br><hr>
<b>Memory</b>  <br>
8 GB, 1 x 8 GB, DDR4, 3200 MHz
<br><hr>
<b>Hard Drive</b> <br>
512 GB, M.2, PCIe NVMe, SSD
```

```
<br><hr>
<b>Battery</b>  <br>
4 Cell, 54 Wh, integrated
<br><hr>
<b>Camera</b><br>
1080p at 30 fps FHD camera
<br><hr>
<br><br>
<center><a href="order.html"><button type="button" class="btn btn-primary">Buy
Now</button></a></center>
</div>
</div>
</div>
</body>
</html>
```

Hpview.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css"
rel="stylesheet">
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js"></script>
</head>
<body>
<div class="container-fluid">
<div class="row">
<div class="col-md-5 col-md-offset-1">
<div class="img-responsive"><br><br><br>
<img src="assets/l1.jfif" alt="" class="img-thumbnail" ></div>
</div>
<div class=" col-md-6 ">
```

```html
<div class="hello"><br>
<center><h2>HP lap</h2></center>
<br>
<p><b>Price : 47,990.00</b></p>
</div>
<hr>
<b>Processor</b> <br>
Intel® Core™ i5-1035G1 (1.0 GHz base frequency, up to 3.6 GHz with Intel® Turbo Boost
Technology, 6 MB L3 cache, 4 cores)
<br><hr>
<b>Operating System </b> <br>
Windows 11
<br><hr>
<b>Memory</b>  <br>
8 GB DDR4-2666 SDRAM (1 x 8 GB)
<br><hr>
<b>Hard Drive</b> <br>
256 GB PCIe® NVMe™ M.2 SSD
<br><hr>
<b>Battery</b>  <br>
3-cell, 41 Wh Li-ion,Up to 9 hours and 15 minutes
<br><hr>
<b>Camera</b><br>
HP TrueVision 720p HD camera
<br><hr>

<br><br>
<center><a href="order.html"><button type="button" class="btn btn-
primary">Order</button></a></center>

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

Lenovoview.html

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css"
rel="stylesheet">
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js"></script>
</head>
<body>
<div class="container-fluid">
<div class="row">
<div class="col-md-5 col-md-offset-1">
<div class="img-responsive"><br><br><br>
<img src="assets/l1.jfif" alt="" class="img-thumbnail" ></div>
</div>
<div class=" col-md-6 ">
<div class="hello"><br>
<center><h2>Lenovo lap</h2></center><br>
<p><b>Price : 64,490.00</b></p>
</div>
<hr>
<b>Processor</b> <br>
11th Generation Intel® Core™ i5-1135G7 Processor (2.40 GHz up to 4.20 GHz)
<br><hr>
<b>Operating System </b> <br>
Windows 10 Pro 64
<br><hr>
<b>Memory</b>  <br>
8 GB SDRAM DDR4 3200MHz
<br><hr>
<b>Hard Drive</b> <br>
1 TB 5400 HDD
```

```html
<br><hr>
<b>Battery</b> <br>
3 cell, 45Wh, Upto 6 hours
<br><hr>
<b>Camera</b><br>
720p HD with PrivacyShutter
<br><hr>


<br><br>
<center><a href="order.html"><button type="button" class="btn btn-
primary">Order</button></a></center>
</div>
</div>
</div>
</body>
</html>
```

Products.html

```html
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
<link rel="stylesheet" type="text/css" href="styles/products.css">
</head>
<body style="background-color:aliceblue">
<h1 align="center" color="brown">PRODUCTS</h1>
<br><br>
<div class="container">
<div class="row">
<div class="col-md-4"><a href="hpview.html"><img src="assets/hp1.png" alt="" class="img-
thumbnail"><br></a> price:47,990.00</div>
<div class="col-md-4"><a href="hpview.html"><img src="assets/hp2.png" alt="" class="img-
thumbnail"><br></a> price:54,990.00</div>
```

```html
<div class="col-md-4"><a href="hpview.html"><img src="assets/hp3.png" alt="" class="img-thumbnail"><br></a> price:57,499.00</div>
</div>
<br>
<div class="row">
<div class="col-md-4"><a href="lenovoview.html"><img src="assets/le1.png" alt="" class="img-thumbnail"><br></a> price:64,490.00</div>
<div class="col-md-4"><a href="lenovoview.html"><img src="assets/le2.png" alt="" class="img-thumbnail"><br></a> price:65,490.00</div>
<div class="col-md-4"><a href="lenovoview.html"><img src="assets/le3.png" alt="" class="img-thumbnail"><br></a> price:63,490.00</div>
</div>
<br>
<div class="row">
<div class="col-md-4"><a href="dellview.html"><img src="assets/d1.png" alt="" class="img-thumbnail"><br></a> price:47,990.00</div>
<div class="col-md-4"><a href="dellview.html"><img src="assets/d2.png" alt="" class="img-thumbnail"><br></a> price:49,990.00</div>
<div class="col-md-4"><a href="dellview.html"><img src="assets/d3.png" alt="" class="img-thumbnail"><br></a> price:48,990.00</div>
</div>
</div>
</body>
</html>
```

Order.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
<title> order</title>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/css/bootstrap.min.css">
<link rel="stylesheet" type="text/css" href="styles/order.css">
```

```html
</head>
<body style="background-color:whitesmoke;">
<div class="container">
<centre><div class="hello">
<div class="col-md-10">
<h1 style=" color: blue; "> <center>Register your details</center> </h1>
<form id="form">
<table>
<tr><td><label> Name</label></td>
<td><input type="text" class="form-control" name="text" id="fname" placeholder="Enter your
name" required></td></tr>


<tr><td><label for="email">Email</label></td>
<td><input type="email" class="form-control" id="email" placeholder="Enter your email"
name="email" required></td></tr>


<tr><td><label>Mobile no</label></td>
<td><input type="text" class="form-control" required></td></tr>


<tr><td><label>Gender</label></td>
<td>
<input type="radio" id="male" name="gender" value="m">
<label> Male</label>
<input type="radio" id="female" name="gender" value="f">
<label>  Female</label><br></td></tr>
<label>
<tr><td> Address
</td>
<td>
<textarea name="address" id="help" class="form-control" cols="120" rows="3"
required></textarea>
</label></td></tr><br>
<tr><td> <label>Date of Birth</td>
<td><input type="date" class="form-control" name="birthDate" required></label></td></tr>
```

```html
<tr><td> <label>Laptop Type</td>
<td><br>
<select name="Pack Type" class="custom-select" required>
<option>None</option>
<option>HP</option>
<option>DELL</option>
<option>Lenovo</option>
</select>
</label><br><br></td></tr>
</table>


<div class="checkbox">
<label><input type="checkbox" name="remember"> Remember me</label>
</div>


<center><button type="button" class="btn" onclick="openPopup()">Submit</button>
<div class="popup" id="popup">
<img src="assets/crt.png">
<h2>Thank You!</h2>
<p>Your details has been successfully submitted. Thanks!</p>
<button type="button" onclick="closePopup()">OK</button>
<script>

let popup=document.getElementById("popup");
function openPopup(){
popup.classList.add("open-popup");
}
function closePopup(){
popup.classList.remove("open-popup");
}
</script>
</div>
</form>
</div>
</div></centre>
```

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

Database.js

```
const express = require("express");
const bodyParser = require("body-parser");
const mongoose = require("mongoose");
const app = express();
mongoose.connect("mongodb://127.0.0.1:27017/laptopapp");
const contactSchema = new mongoose.Schema({
name: String,
email: String,
address: String,
dob: String,
mob: String,
password: String,
});
app.use(bodyParser.urlencoded({ extended: true }));
// app.use(express.static("public"));
app.get("/", function (req, res) {
res.sendFile(__dirname + "/reg1.html");
});
app.post("/", function (req, res) {
var Name = req.body.name;
var Email = req.body.email;
var Address = req.body.address;
var Dob = req.body.dob;
var Mobileno = req.body.mob;
var Password = req.body.password;
const Contact = mongoose.model("Contact", contactSchema);
const contact = new Contact({
name: Name,
email: Email,
address: Address,
```

```
dob: Dob,
mob: Mobileno,
password: Password,
});
contact.save();
console.log("success fully saved");
});
app.listen(3000);
```

Login.css

```css
.hello {
font-size: 14;
font-family:Arial, Helvetica, sans-serif;
color: rgb(45, 73, 186);
}
.user {
font-size: 150%;
font-family:Arial, Helvetica, sans-serif;
}
.welcome{
margin-top: 4cm;
}
.f{
margin-top: 4cm;
margin-right: 1cm;
margin-left: 1cm;
background-color: lavender;
}

table {
border-collapse: collapse;
}
th, td {
padding: 15px;
}
```

Register.css

```css
.f{
margin-top: 4cm;
margin-right: 1cm;
margin-left: 1cm;
background-color: lavender;
}
.hello {
font-size: 14;
font-family: Arial, Helvetica, sans-serif;
color: rgb(148, 24, 197);
}
.img-thumbnail {

margin-top: 1cm;
height: 100%;
}

.welcome{
margin-top: 5cm;
}
```

About.css

```css
.hel {
text-align: center;
font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
}

.msg {
text-align: center;
font-size: 20px;
font-family: Arial, Helvetica, sans-serif;}
.contact {
text-align: center;
```

```css
    font-size: 20px;
    font-family: Arial, Helvetica, sans-serif;
}
```

Products.css

```css
.img-thumbnail {

    margin-top: 1cm;
    height: 50%;
    width: 50%;
}
```

Order.css

```css
table {
border-collapse: collapse;
}
th, td {
padding: 15px;
}
.hello {

margin-top: 4cm;
margin-right: 3cm;
margin-left: 3cm;
background-color: lavender;

}
.button {
margin-left: 1.5cm;
background-color: rgb(61, 11, 212);
border: none;
color:white;
font-size: 20px;
height: 1cm;
width: 3cm;
```

```css
}
.btn{
padding: 10px 60px;
background: rgb(61, 11, 212);
border: 0;
color: white;
outline: none;
cursor: pointer;
font-size: 22px;
font-weight: 500;
border-radius: 30px;
}
.popup{
width: 400px;
background: #fff;
border-radius: 6px;
position:  absolute;
top: 0;
left: 50%;
transform: translate(-50%,-50%) scale(0.1);
text-align: center;
padding: 0 30px 30px;
color: #333;
visibility: hidden;
transition: transform 0.4s, top 0.4s;
}
.open-popup{
visibility: visible;
top: 50%;
transform: translate(-50%,-50%) scale(1);
}
.popup img{
width: 100px;
margin-top: -50px;
border-radius: 50%;
```

```css
  box-shadow: 0 2px 5px rgba(0,0,0,0.2);
}
.popup h2{
font-size: 38px;
font-weight: 500;
margin: 30px 0 10px;
}
.popup button{
width: 100%;
margin-top: 50px;
padding: 10px 0;
background: #6fd649;
color: #fff;
border: 0;
outline: none;
font-size: 18px;
border-radius: 4px;
cursor: pointer;
box-shadow: 0 5px 5px rgba(0,0,0,0.2);

}
```
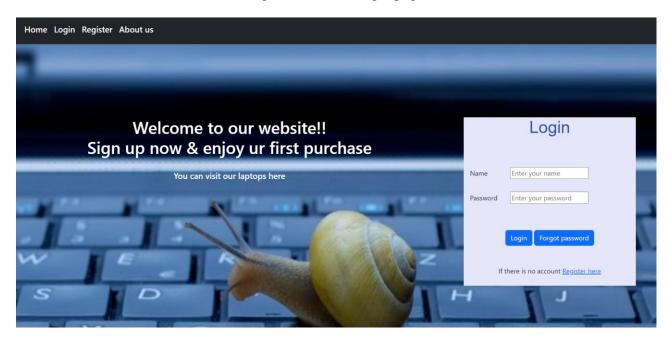
Output
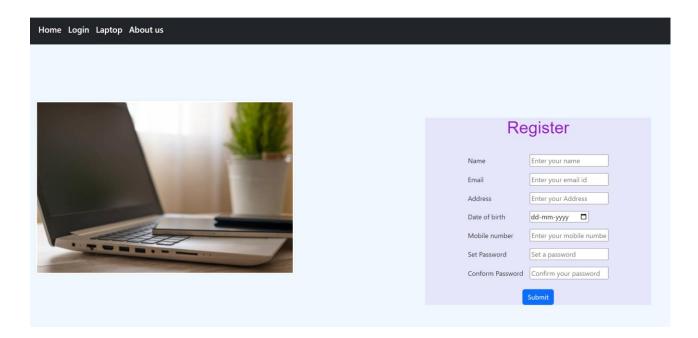
Fig.1.Home and Login page
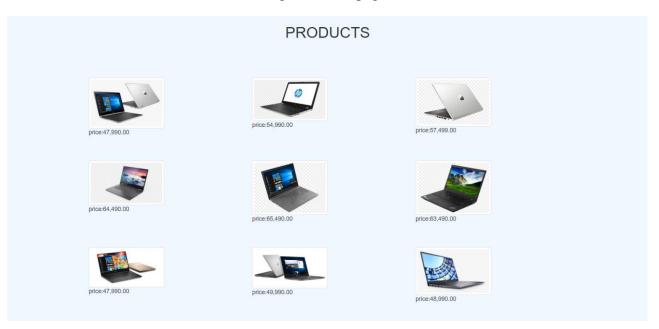

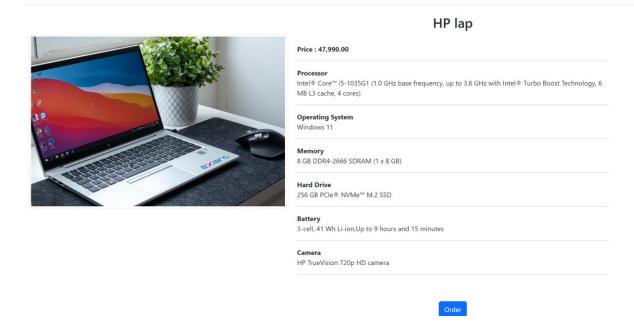
Fig.2.Register page

Fig.3.Product page

PRODUCTS

price:47,990.00

price:54,990.00

price:57,499.00

price:64,490.00

price:65,490.00

price:63,490.00

price:47,990.00

price:49,990.00

price:48,990.00

Fig.4.Products detail page

HP lap

Price : 47,990.00

Processor
Intel® Core™ i5-1035G1 (1.0 GHz base frequency, up to 3.6 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 4 cores)

Operating System
Windows 11

Memory
8 GB DDR4-2666 SDRAM (1 x 8 GB)

Hard Drive
256 GB PCIe® NVMe™ M.2 SSD

Battery
3-cell, 41 Wh Li-ion,Up to 9 hours and 15 minutes

Camera
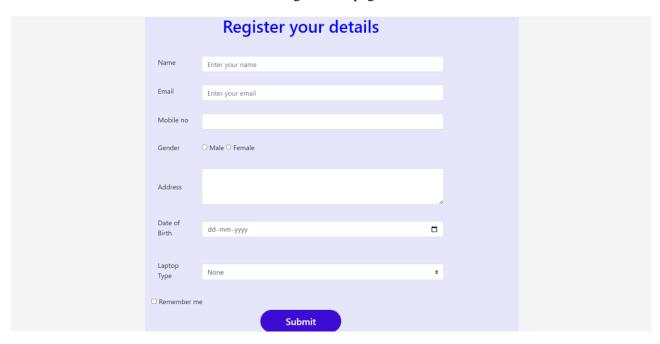HP TrueVision 720p HD camera

Order

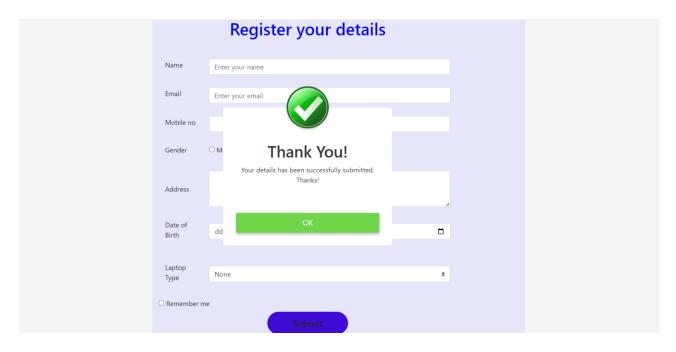Fig.5.Order page

Fig.6.Submission page
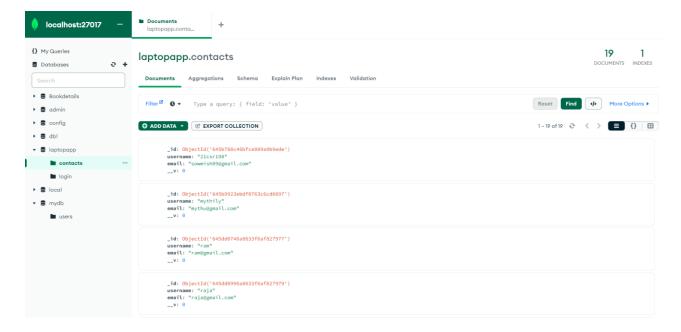
Fig.7.About page

About Us

This website provides easy interface to customer for purchasing laptops online. You can also send us email and call us on Week days.
Thank you for your patience and hope you had a great shopping here.

EMAIL ID:laptop@gmail.com

CONTACT NO:+91 9876543210

Fig.8.Database connectivity-Mongodb

Result

Thus the web page for online laptop application was designed successfully.