

Ekti Bangladesh



Supervised By
Atiya Masuda Siddika
Lecturer
Dept. of CSE
BUBT

Submitted By

Name	ID	Intake	Section
Ahmed Mahir Shoaib	18192103235	41	6
Abu Zobayer Bin Siddique	18192103226	41	6
All Moon Tasir	18192103256	41	6
Abduintah Al Noman	18192103255	41	6
Julkar Naeem	18192103227	41	6

Team
INF1NIT3 VO1D

Contents

1	Introduction	3
1.1	About	3
1.2	Motivation	4
1.3	Tools And Techniques	4
1.3.1	IDE	4
1.3.2	Language	4
1.3.3	Database	4
1.3.4	Framework	4
1.3.5	Security	4
1.3.6	Operating System	5
1.3.7	Other Tools	5
1.4	Requirment List	6
1.5	Proposed system	6
2	System Evaluation	7
2.1	Features	7
3	Design	8
3.1	Home:	9
3.2	View Cities:	11
3.3	Registration	13
3.4	Login	13
4	Implementation	17
4.1	Registration	17
4.2	Login	20
5	Testing	22
5.1	Performance Testing	22
5.2	Performance and Stress Testing	23
6	End	24
6.1	Outcome	24
6.2	Limitation	24

<i>CONTENTS</i>	2
6.3 Future Goal	24
6.4 Conclusion	25
7 Reference	26

Chapter 1

Introduction

1.1 About

Bangladesh is our homeland. Many of us do not know all the places in the country. Many people want to travel but they can't travel because they don't have proper guidelines. In that case, this website will be the perfect choice for them. Besides, although there is such a website in Bengali, there is no such site in English. So foreigners do not know much about travel in our country. So we want everyone to know about our country.

1.2 Motivation

The idea of this project comes to us after seeing the travel websites of many countries online. Their site provides information on all places in their country. So that the citizens of all countries can take advantage. After that, we made this small effort.

1.3 Tools And Techniques

Since this is a web-based project, we like some of the tools here.

1.3.1 IDE

- Visual Studio 2019
- VS Code
- Notepad

1.3.2 Language

- HTML (41.8%)
- C# (6.0 %)
- Javascript (0.4%)

1.3.3 Database

- MySql

1.3.4 Framework

- ASP.NET (35.1%)
- CSS (16.7%)

1.3.5 Security

We use encryption because it protects the data of all our users.

Showing rows 0 - 1 (2 total, Query took 0.0006 seconds.)

```
SELECT * FROM `user`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options Edit Copy Delete 39005 Shin Chan 1686768525 2147483647 mahirabesh@gmail.com QUBIZXN0lJE= 2021-01-10
 Edit Copy Delete 39006 Aritro 132106448 36592242 18192103235@cse.bubt.edu.bd GXJpdHJuLjEyMw== 2008-07-16

Check all | With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query Label: Let every user access this bookmark Bookmark this SQL query

Figure 1.1: Encryption

1.3.6 Operating System

- Windows 8.1
- Windows 10
- Ubuntu

1.3.7 Other Tools

- Xampp (for local host)
- GitHub (for project share)
- Google Meet (for group discussion)
- Messenger (for group discussion)

1.4 Requirement List

Here is a list of all the software needed to run this code on any computer:

- OS: Windows xp, vista, 7, 8, 9, 10, 11, Ubuntu, Kali Linux (Anyone from here).
- RAM: Minimum 512MB (2GB recommended).
- HDD: 750MB (1.5GB recommended).
- IDE: Any IDE (which is support .htm/.html , .js , .css, .aspx)
- MySQL GUI Tools: phpMyAdmin, SQLyog, Aqua Data Studio or anyother MySQL workbeanch.
- Localhost Server: Xampp, Ampps, MAMP on any localhost server.

1.5 Proposed system

In our proposed system there will be two actors. They are,

- Viewer: They can visit our website, and comment us for any wrong information.
- Editor or owner: They can edit any information. They are the programmers or head of this project.

Chapter 2

System Evaluation

2.1 Features

We Can knwo many information from here.

- Home
- View Cities
- View Historical Place
- Create Account
- Login

Anyone can log in here and see any information. Can get free information about any information also. But since people are just wrong and a lot of information is changeable, in case we have any mistake they can log in and fix it by commenting.

Chapter 3

Design

3.1 Home:

In Home, The 8 divisions of our country are on the home page the search option is also on that page.

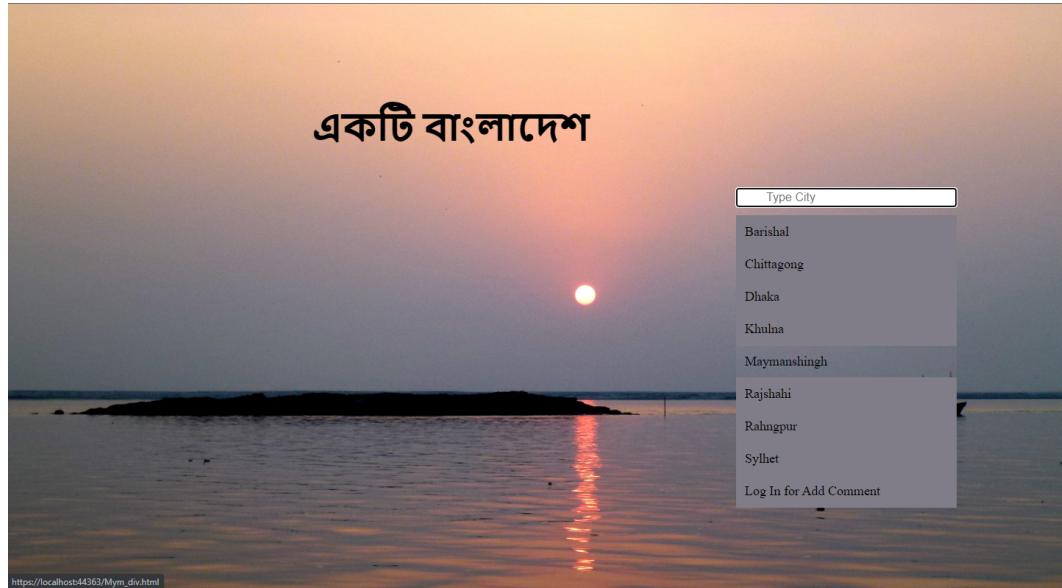


Figure 3.1: Home

```

1  <!DOCTYPE html>
2  <html>
3  <head>
4      <meta name="viewport" content="width=device-width, initial-scale=1">
5      <meta charset="utf-8" />
6      <title>Ekti Bangladesh</title>
7      <link href="main.home.css" rel="stylesheet" />
8      <link href="Image/1.ico" rel="icon" />
9      <script src="main_home.js"></script>
10 </head>
11 <body>
12     <section>
13         <div class="log">
14             <a href="Login.aspx"><button>Login</button></a>
15         </div>
16         <div class="he">
17             <h2 class="def" style="color:black">একটি বাংলাদেশ</h2>
18         </div>
19         <div class="abc">
20             <input type="text" id="myInput" onkeyup="myFunction()" placeholder="Type City Name" title="Enter City Name">
21             <ul id="myUL">
22                 <li><a href="bar_div.html">Barishal</a></li>
23                 <li><a href="chittagong_div.html">Chittagong</a></li>
24                 <li><a href="Dha_div.html">Dhaka</a></li>
25                 <li><a href="Khu_div.html">Khulna</a></li>
26                 <li><a href="Mym_div.html">Maymansingh</a></li>
27                 <li><a href="Raj_div.html">Rajshahi</a></li>
28                 <li><a href="Ran_div.html">Rangpur</a></li>
29                 <li><a href="Syl_div.html">Sylhet</a></li>
30             </ul>
31             <li><a href="Login.aspx"><button>Login</button></a></li>
32             <li><a href="AboutBangladesh.aspx">About Bangladesh</a></li>
33         </div>
34     </section>
35 </body>
36 </html>
37
38

```

The code is an HTML file with a script block. It includes a dropdown menu with city names: Barishal, Chittagong, Dhaka, Khulna, Maymansingh, Rajshahi, and Rangpur. It also includes a login button and a link to the About page.

Figure 3.2: Code

3.2 View Cities:

From that page, all the districts of the section which will be clicked will be shown.



Figure 3.3: Barishals Cities

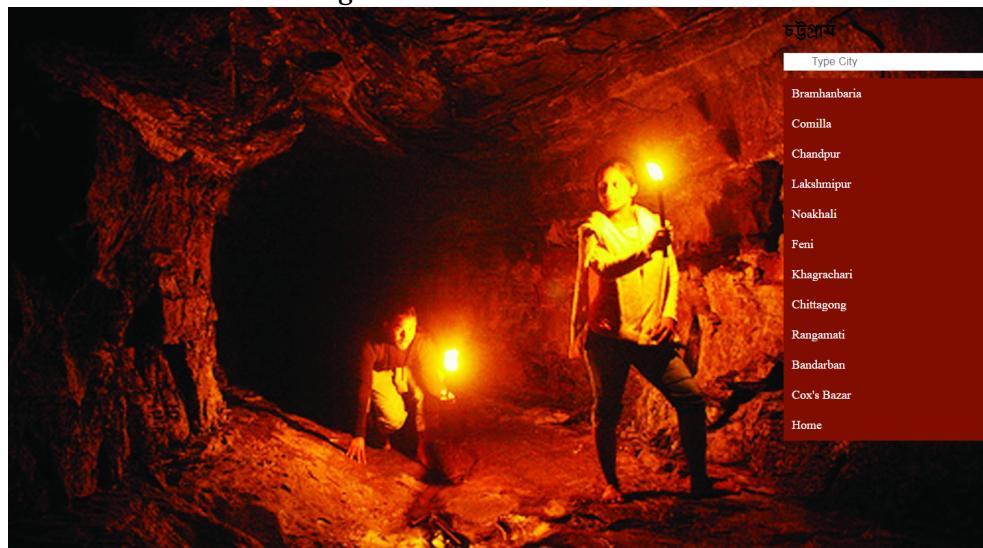


Figure 3.4: Chittagong Cities

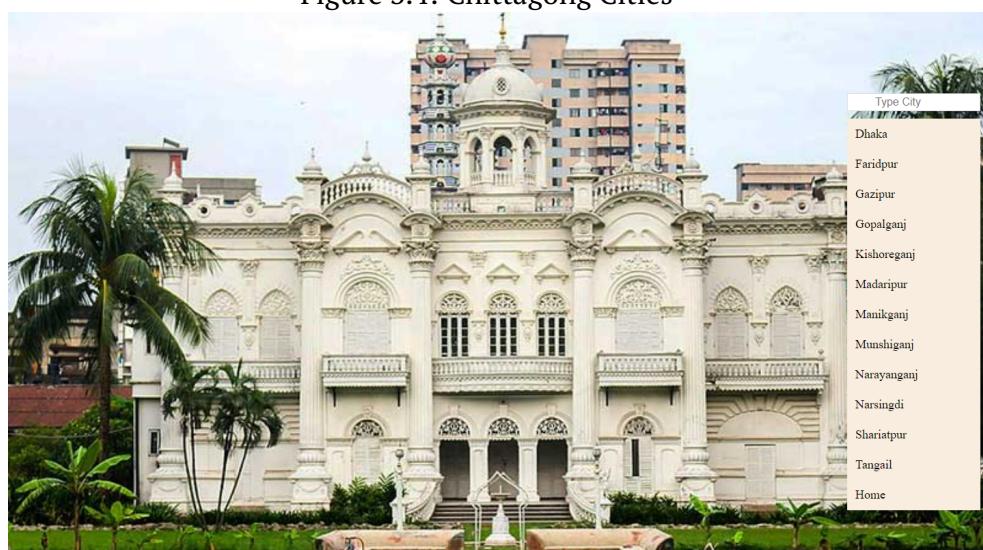


Figure 3.5: Dhaka Cities

3.3 Registration

Registration is one of the most important part in our code. User can creat a free account using email. After confirming email, he/she gets an OPT. after using this OTP any one can create an account/

3.4 Login

Any one can log in in this web site after create an account.



Figure 3.6: Khulna Cities



Figure 3.7: Mymensingh Cities



Figure 3.8: Rajshahi Cities



Figure 3.9: Rangpur Cities

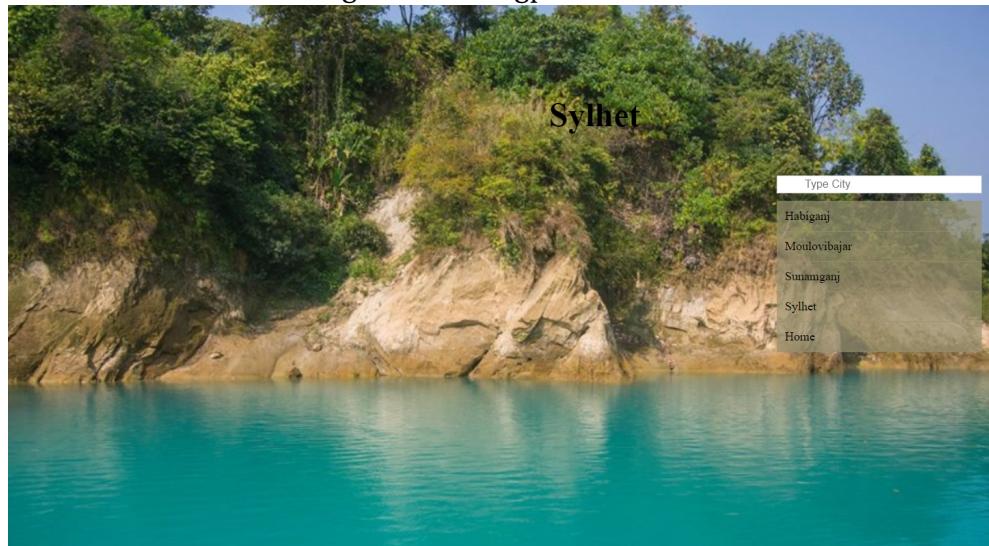


Figure 3.10: Sylhet Cities

```

1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta name="viewport" content="width=device-width, initial-scale=1">
5          <meta charset="utf-8" />
6          <title>Rkti Bangladesh</title>
7          <link rel="icon" href="image/1.ico" />
8          <link href="chittagong_div.css" rel="stylesheet" />
9          <script src="main_home.js"></script>
10     </head>
11     <body>
12         <section>
13             <h2 class="def" style="color:white">ৰক্তি  
Bengal&lt;/h2>
14             <div class="abc">
15                 <input type="text" id="myInput" onkeyup="myFunction()" placeholder="Type City Name" title="Enter City Name">
16                 <ul id="myUL">
17                     <li><a href="#">Rangpur</a></li>
18                     <li><a href="ctg_dlv.html">Comilla</a></li>
19                     <li><a href="#">Chandpur</a></li>
20                     <li><a href="#">Lakshmpur</a></li>
21                     <li><a href="Moukhali.aspx">Moukhali</a></li>
22                     <li><a href="#">Khulna</a></li>
23                     <li><a href="Rangamati.aspx">Rangamati</a></li>
24                     <li><a href="#">Sylhet</a></li>
25                     <li><a href="Chittagong.aspx">Chittagong</a></li>
26                     <li><a href="#">Cox's Bazar</a></li>
27                     <li><a href="Habiganj.aspx">Habiganj</a></li>
28                     <li><a href="#">Moulvibazar</a></li>
29                     <li><a href="Sunamganj.aspx">Sunamganj</a></li>
30                     <li><a href="#">Gaibandha</a></li>
31                     <li><a href="#">Dinajpur</a></li>
32                     <li><a href="#">Kurigram</a></li>
33                     <li><a href="#">Thakurgaon</a></li>
34                     <li><a href="#">Nilphamari</a></li>
35                     <li><a href="#">Panchagarh</a></li>
36                     <li><a href="#">Lalmonirhat</a></li>
37                     <li><a href="#">Gaibandha</a></li>
38                     <li><a href="#">Moukhali</a></li>
39                     <li><a href="#">Khulna</a></li>
40                     <li><a href="#">Rangamati</a></li>
41                     <li><a href="#">Sylhet</a></li>
42                     <li><a href="#">Cox's Bazar</a></li>
43                     <li><a href="main_home.html">Home</a></li>
44                 </ul>
45             </div>
46         </section>
47     </body>
48 </html>

```

Output

Figure 3.11: Code

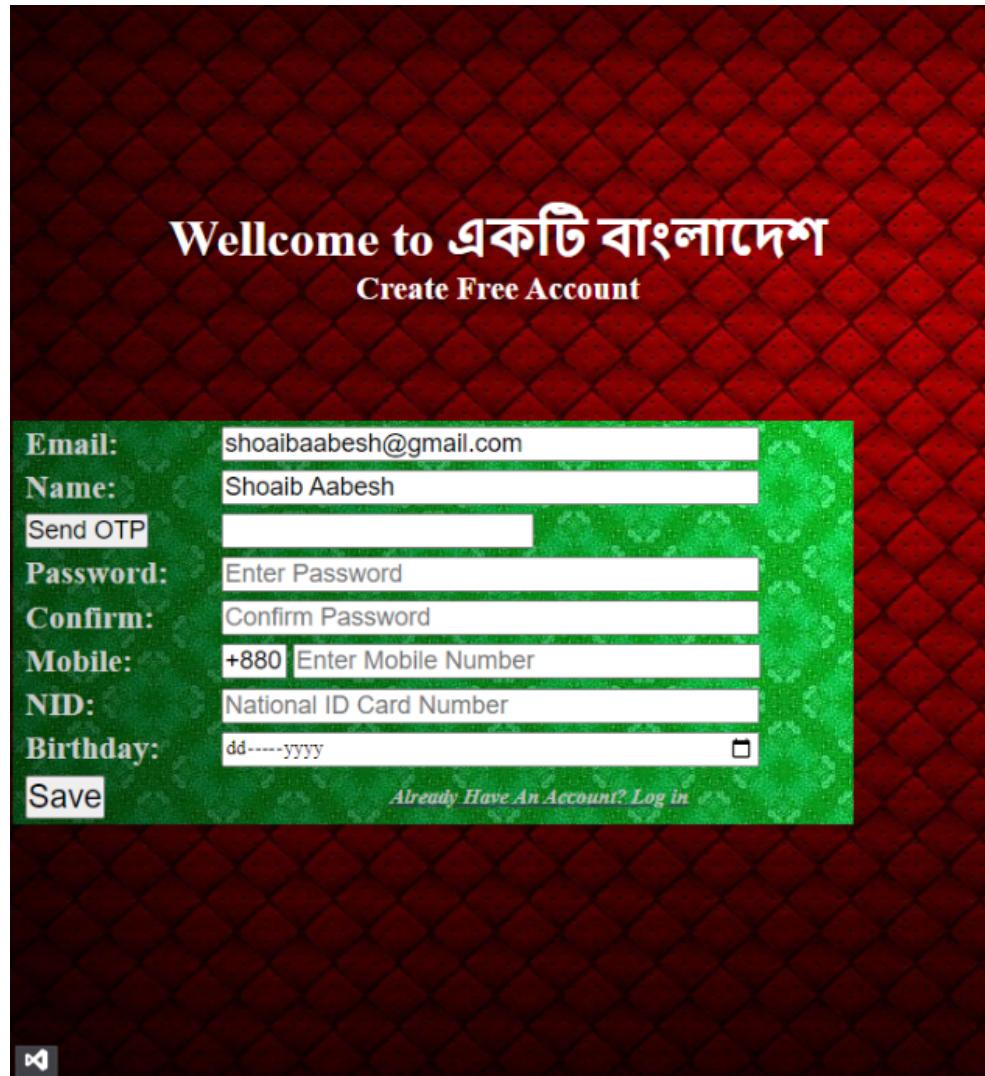


Figure 3.12: Registration

Chapter 4

Implementation

4.1 Registration

Front End

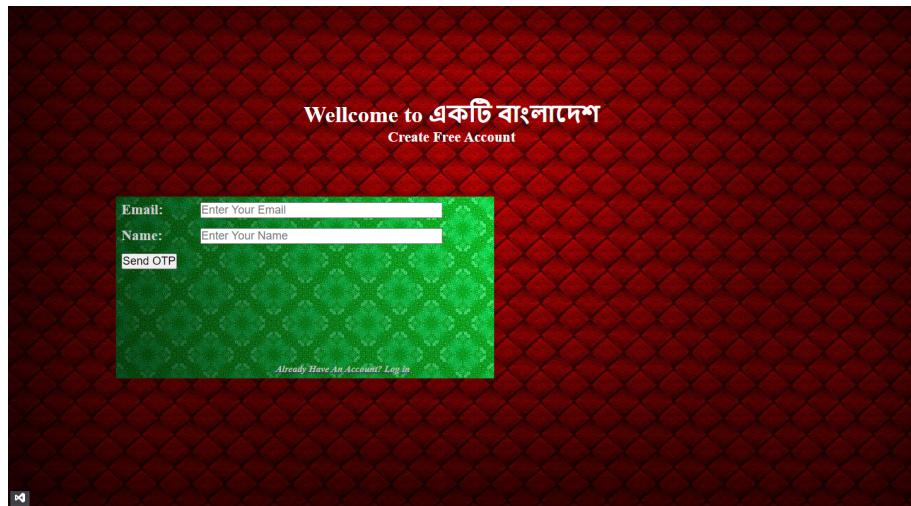


Figure 4.1: registration

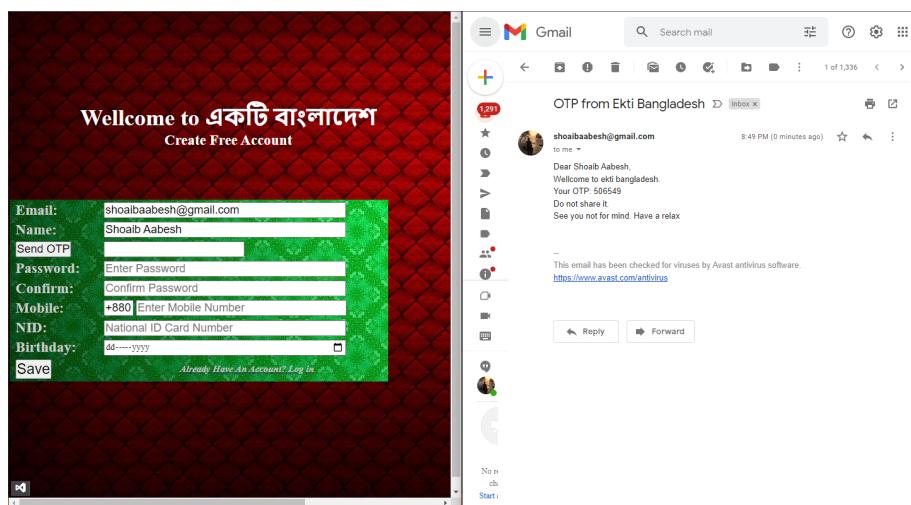


Figure 4.2: OTP Verification

```


    protected void Page_Load(object sender, EventArgs e)
    {
        con = new MySqlConnection("Data Source=localhost;Database=ektibangladesh;User ID=root;Password= ");
        con.Open();
        cont = new MySqlConnection("Data Source=localhost;Database=ektibangladesh;User ID=root;Password= ");
        cont.Open();
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        ng = r.Next(10000, 99999);
        string fromaddress = "shubhababu@gmail.com";
        string toaddress = TextBox1.Text;
        string password = "Aakash12";
        MailMessage mail = new MailMessage();
        mail.From = new MailAddress(fromaddress);
        mail.To.Add(new MailAddress(toaddress));
        mail.Body = "Dear " + TextBox1.Text + ",\nWelcome to ekti bangladesh.\nYour OTP: " + ng + "\nDo not share it.\nSee you not for mind. Have a relax";
        mail.AddAttachment("C:/Windows/Fonts/Arial.ttf");
        SmtpClient smtp = new SmtpClient();
        smtp.Host = "smtp.gmail.com";
        smtp.Port = 587;
        smtp.UseDefaultCredentials = false;
        smtp.Credentials = NetworkCredential.CreateBasicCredential(fromaddress, password);
        smtp.Credentials = new NetworkCredential(fromaddress, password);
        smtp.EnableSsl = true;
        SqlCommand cmd = new SqlCommand("spInsertOTP", con);
        cmd.Parameters.AddWithValue("@otp", ng);
        cmd.ExecuteNonQuery();
        Label1.Visible = true;
        TextBox1.Visible = true;
        Label14.Visible = true;
        TextBox2.Visible = true;
        Label14.Visible = true;
        TextBox3.Visible = true;
        TextBox4.Visible = true;
        Label17.Visible = true;
        TextBox5.Visible = true;
        TextBox6.Visible = true;
        Label16.Visible = true;
        TextBox7.Visible = true;
    }

    public string encrypt(string empass)
    {
        byte[] b = System.Text.Encoding.ASCII.GetBytes(empass);
        string encrypt = Convert.ToBase64String(b);
        return encrypt;
    }

    protected void Button1_Click1(object sender, EventArgs e)
    {
        TextBox1.Text = enc(TextBox1.Text);
        string tstr = "insert into user (ID,Public_Password,Email,BirthDate) values ('" + TextBox1.Text + "','" + TextBox2.Text + "','" + TextBox3.Text + "','" + TextBox4.Text + "','" + TextBox5.Text + "','" + TextBox6.Text + "','" + TextBox7.Text + "')";
        cmd = new MySqlCommand(tstr, cont);
        cmd.ExecuteNonQuery();
        cont.Close();
    }
}


```

Figure 4.3: Back end code

Back End

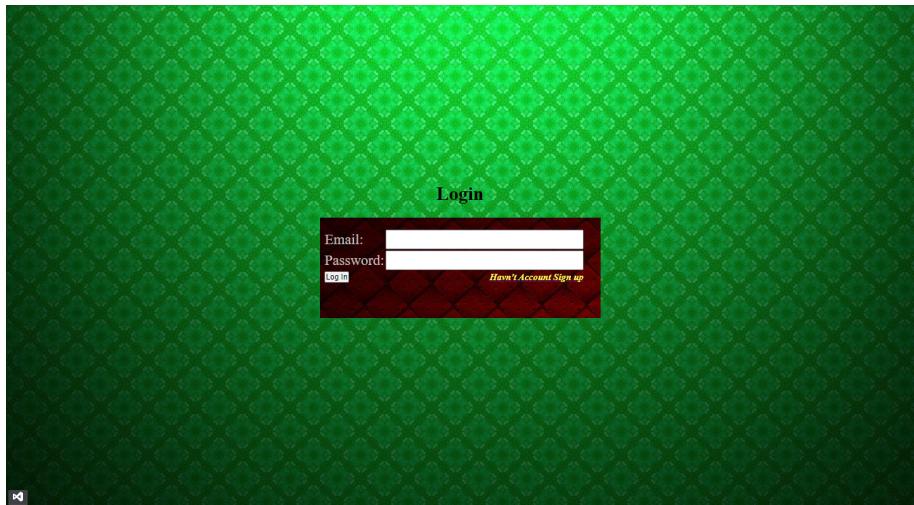


Figure 4.4: registration

4.2 Login

Front End

```
1 reference
public string enc(string enpass)
{
    byte[] b = System.Text.ASCIIEncoding.ASCII.GetBytes(enpass);
    string encrypt = Convert.ToBase64String(b);
    return encrypt;
}
0 references
protected void Button1_Click(object sender, EventArgs e)
{
    TextBox2.Text = enc(TextBox2.Text);
    str = "select * from user where Email=@email and Password=@password ";
    cmd = new MySqlCommand(str, con);
    cmd.Parameters.AddWithValue("@email", TextBox1.Text);
    cmd.Parameters.AddWithValue("@password", TextBox2.Text);
    sdr = cmd.ExecuteReader();
    if (sdr.Read())
    {
        Response.Redirect("main_home.html");
    }
    else
    {
        TextBox2.Text = "";
        Label3.Visible = true;
        Label3.Text = "Username or Password Incorrect !!";
    }
    con.Close();
}
```

Figure 4.5: Back end code

Back End

Chapter 5

Testing

5.1 Performance Testing

PERFORMANCE TESTING checks the speed, response time, reliability, resource usage, scalability of a website under their expected workload. The purpose of Performance Testing is not to find functional defects but to eliminate performance bottlenecks in the website's front end or in back end. The focus of Performance Testing is checking a website's

- Speed - Determines whether the application responds quickly
- Scalability - Determines maximum user load the website can handle.
- Stability - Determines if the website is stable under varying loads

5.2 Performance and Stress Testing

Definition: A stress test is used for determining the reliability and stability of all of your web resources, like websites, applications, and APIs. Stress testing aims to find the breaking point of a website/application under extremely high load over a period of time. It is also called endurance testing.

Participants: Ahmed Mahir Shoaib, Abu Zobayer Bin Siddique and All Moon Tasir From Intake: 41, Section:6. Dept. of CSE BUBT.

Chapter 6

End

6.1 Outcome

- Any one can now visit alone easily
- Eliminate unemployment
- Safe from cheater

6.2 Limitation

- Need some more tools for run this website
- Need Good Internet speed

6.3 Future Goal

We will add more information here. We will add payment method to this web site so that any customer can purchase ticket to his destination from here. We will make the design more user friendly based on all customer feedback.

6.4 Conclusion

We have now designed a website. Since this is our first design, we still have a lot to learn. That's why we will get reviews from our clients on how to make it more user friendly. Besides, our goal will be to make it work for society. In this way unemployed youth get jobs. Because since we have created a website, we will need a helpline so that many unemployed people in the country can get jobs. And since we designed it to work for the betterment of society, we will always prioritize freshers in our helpline.

Chapter 7

Reference

- www.google.com
- www.facebook.com
- https://en.wikipedia.org/wiki/Pabna_District
- <https://ruposhi-bangla.com/>
- <https://vromonguide.com/>
- <https://www.dhakatribune.com/>
- <http://www.faceofbangla.com/>
- <https://commons.wikimedia.org/>
- <https://www.pinterest.com/>
- <https://wallpapercave.com/>
- <https://en.prothomalo.com/>
- <https://www.bubt.edu.bd/>
- <https://porzoton.com/>
- <https://www.youtube.com/>
- <https://www.touristplaces.com.bd/>
- <https://www.destimap.com/index.php>

- <https://travelbd.xyz/>
-