TRAVEL ASSIST(BUS TICKET BOOKING) WEBSITE

19ITPN6401 – MINI PROJECT REPORT(2022-2023 EVEN)

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of

Bachelor of Technology

in

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Pollachi - 642003

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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

TRAVEL ASSIST (BUS TICKET BOOKING) WEBSITE

ABSTRACT

Bus Ticket Booking System(BTBS) is a Web based application that works within a centralized network. This project presents a review on the software program “Online Bus Ticket Booking System” as should be used in a bus transportation system, a facility which is used to reserve seats, cancellation of reservation and different types of route enquiries used on securing quick reservations. BTBS is built for managing and computerizing the traditional database, ticket booking and tracking bus and travel made. It maintains all customer details, bus details, reservation details. In addition, PHP Hypertext Preprocessor (PHP) language was used for the front- end of the software while the back end was designed using MySQL. The software achieved is capable of improving the customer hand and relationship management in bus operator. It is recommended that despite the present functionality of the designed software, an additional functionality such as the use of E-mail to send tickets and notifications to the customer and an online payment using credit cards/debit cards should be implemented into the system.

ACKNOWLEDGEMENT

ACKNOWLEDGMENT

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LIST OF ABBREVIATIONS

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CSS : Cascading style sheet

HTML : Hyper text markup language

JS : JavaScript

OS : Operating System

BTBS : Bus ticket booking system

SQL :Structured query language

CHAPTER 1

INTRODUCTION

1. INTRODUCTION

This chapter aims to describe the project background, problem statement, objectives, scopes, project significance and expected output of the system. The system is Bus Ticket Booking System. This is the project on the online ticketing system of bus company, which in most cases; the company has problems with their ticketing and scheduling process. This project intends to computerize its semi computerized ticketing system to provide better customer service. Because of that, the company can provide the easier way of travelling to the customer or passenger. Electronic tickets, or e-tickets, give evidence that their holders have permission to enter a place of entertainment, use a means of transportation, or have access to some Internet services. Bus Ticket Reservation System enables the bus company's customer to buy bus ticket online-ticket is the easiest and quickest way to take bus. The online system is a new system because it's just getting roots in bus company globally and even in world. Currently, staff at the bus ticket counter is using an internal system to sell ticket at the counter. Customer is unable to buy bus ticket online at this moment and has to go to the counter to buy bus ticket. Sometimes, customer needs to queue up a long queue to buy bus ticket and ask for information. Besides that, customer also not allows buying bus ticket through telephone and Transnational's telephone line is always busy. This brings a lot of inconvenience to the customers. Bus Ticket Reservation System enables the customer to buy bus ticket, make payment,cancel reservation and ask for information online easily.

1.1.PROBLEM DEFINITION

The system that is being used by the staff at counter currently is an internal system and just used to sell bus ticket at counter. Customer has to go to counter to bus ticket for bus schedule. Furthermore, customers need to pay cash when they buy the bus ticket and sometimes needs to queue up long time to get the bus ticket.

1. 2. PROJECT OVERVIEW AND SPECIFICATIONS

It manages all customer details, bus specifications, with holding details. The database incorporates details about buses, no. of seat availability, days and time of operation, number of buses from point 'A' to point 'B', Price limits, computerized re- port and invoice generation, etc.

1. 3. HARDWARE SPECIFICATION :

DISK SPACE : 330 MB for windows package extraction

GRAPHICS : No specification graphics card is required.

RAM : 2GB with Simulink, 4GB is required with Polyspace, 4 GB per core is recommended

1.4. SOFTWARE SPECIFICATIONS :

Tool : Visual Studio,Xampp server,,MY SQL

Operating System : Windows 10/11

Language :HTML,CSS,JS,PHP

CHAPTER 2

EXISTING SYSTEM

2. EXISTING SYSTEM

2.1. DESCRIPTION

The existing Bus Booking System is not completely computerized. The customer has to visit any booking branch if he wants to book a ticket. Bus scheduling, ticket booking, bill generation and many other operations are done manually. This may lead to incorrect entries and there is a lot of room for errors as the data is not completely synced. The availability of seats is not centrally maintained and the travel operator is not fully aware of the availability and occupancy of the seats in his buses.

2.2. LIMITATIONS IN EXISTING SYSTEM

User acceptance: Some members of the staff may not be of the opinion that the counter system be made online for the fear that this may lead to loss of job.

Limited system testing: Improper unit and system testing may pose some usability issues such as delays in some modules.

CHAPTER 3

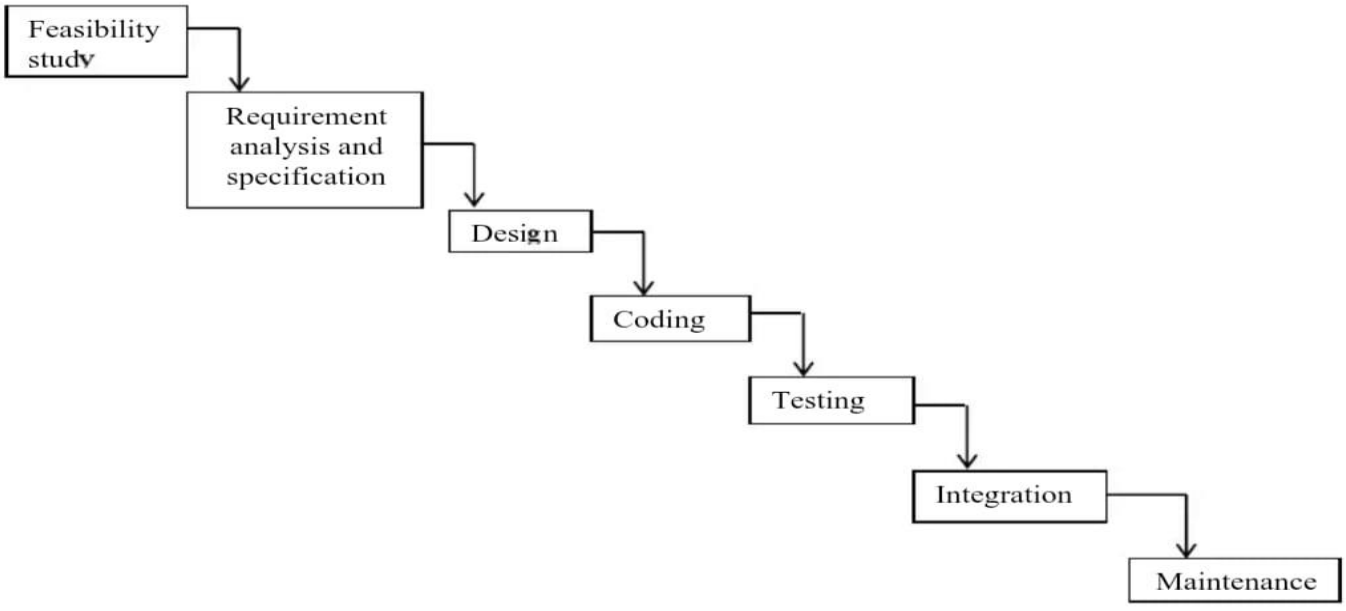
PROPOSED SYSTEM

3. PROPOSED SYSTEM

3.1. PROPOSED METHODOLOGY:

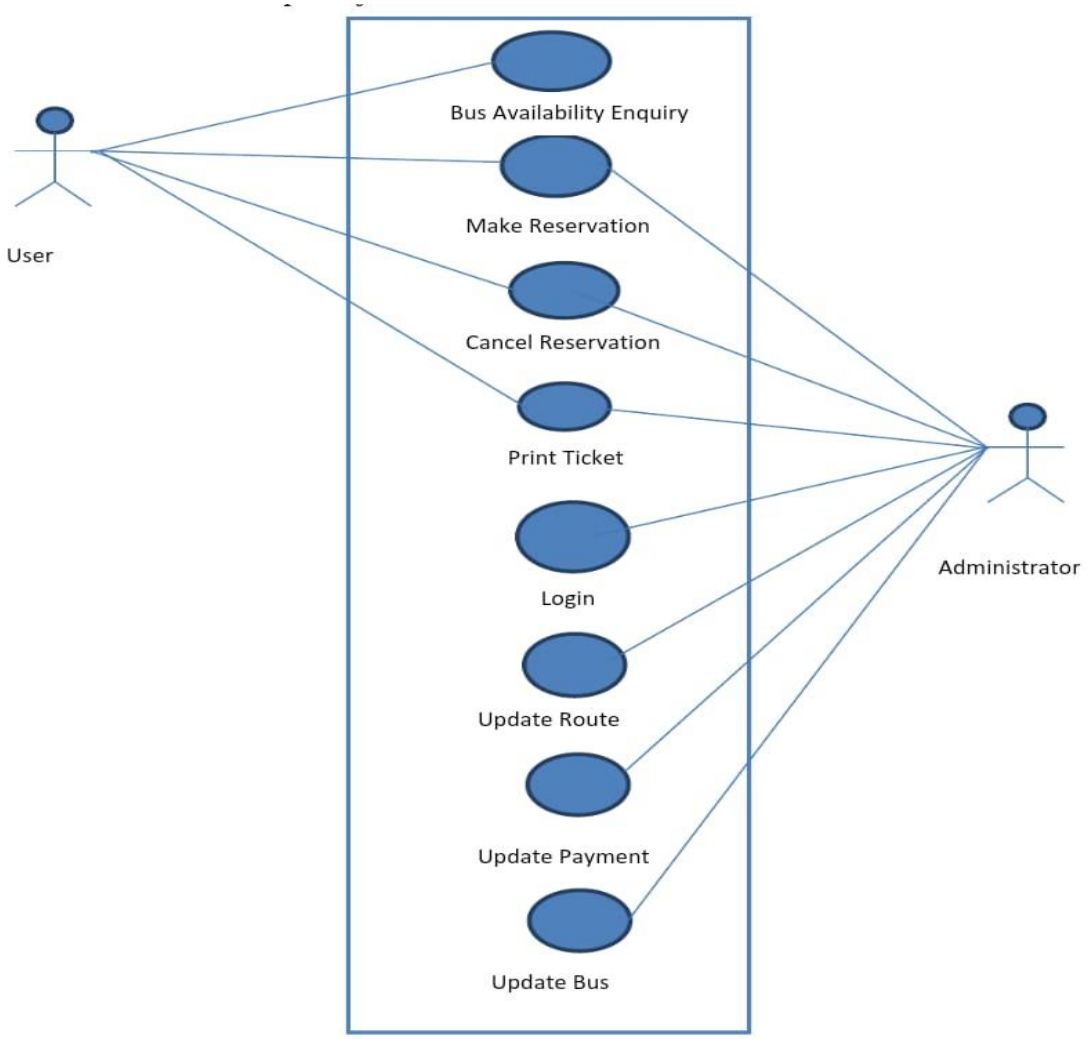
It is important to fulfill the planning of the implementation phase. This can only be done if proper methodology is selected. Methodology is important to make sure all project life cycle activities are being carried out without any shortcuts. Methodology helps the system developers to take one step at a time towards accomplishing the full system. The following section discusses on the choice of methodology towards the implementation of Online Bus Ticketing System for Bus Company.

This system underwent all the stages of system development lifecycle (SDLC). According to the nature of this system and the data collected, a waterfall methodology was used to develop this system. This methodology included the following stages: feasibility study, requirement analysis and specification design, coding, testing, integration then maintenance .Each phase required a different amount of effort and every phase had a well-defined starting and point. Every phase had to be completed before beginning the next stage.



3.2.FLOW DIAGRAM:

A data flow diagram (DFD) is a graphical representation of the "flow" of data through an information system, modeling its process aspects. A DFD shows what kind of information will be input to and output from the system, where the data will come from and go to, and where the data will be stored.



CHAPTER 4

RESULTS AND SCOPE

4.RESULTS AND SCOPE

4.1 APPLICATION AREA

As mentioned in the previous section, the online system is just getting its roots in the country's transport system. It is very important to company's customer, Bus Company and all. It is important to customer because customer can check availability of the bus ticket, buy bus ticket,cancel bus ticket and pay the bus ticket online. E-ticket is different with traditional paper ticket because e-ticket is safer, faster, reliable and cheaper. Besides that, this concept can be used by others bus company so that their customers will be satisfied. The profit for the bus company will be increased because the online system will attract more customers and no need to hire many staffs at the counter to sell bus ticket because ticket can be sold efficiency online. Furthermore, the owner can schedule bus roots based on the margin returns. This is done through bus performance comparison. The factors of comparison in this module include but not limited to: the route, operational costs in a particular route and the number of breakdowns per bus.

4.2 SCOPE

The system is web based application. The users will gain access to the available buses per certain route and available seats by logging in through the customer's portal.

The staff will access the system by logging in via the staff portal where they can compare bus performance and monitor other related business performance issues.

CHAPTER 5

CONCLUSION

CONCLUSION

It can be observed that computer applications are very important in every field of human endeavor. Here all the information about customer that made reservation can be gotten just by clicking a button with this new system, some of the difficulties encountered with the manual system are overcome. It will also reduce the workload of the staff, reduce the time used for making reservation at the bus terminal and also increase efficiency. The application also has the ability to update records in various files automatically thereby relieving the company's staff the stress of working from file security of data.

5.1.FUTURE WORKS:

If we developed the project in future we will update ticket details for every hour and add some features like sending the details of unsold tickets to the user who have searched upon it by getting either their phone number or mail. Then we will add a discount for them in the flashy time to reduce their cost.

CHAPTER 6

REFERENECES

REFERENCES

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(www.buscompanyhelper.com)

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CHAPTER 7

APPENDICES

7.APPENDICES

SCREENSHOTS:

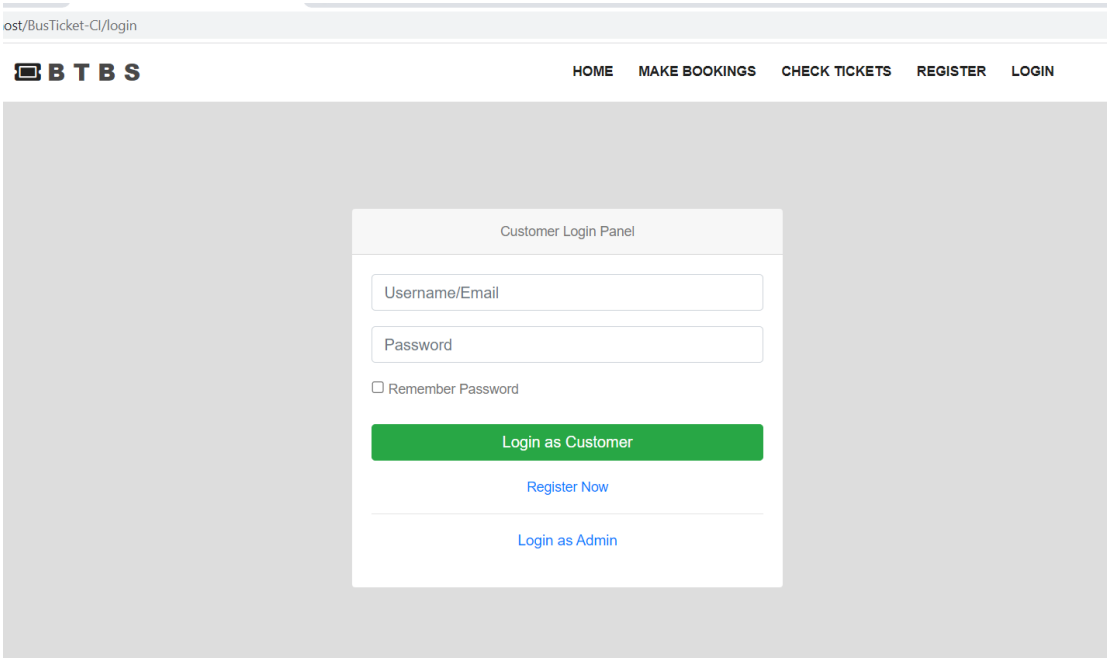

Fig 7.1 Login page

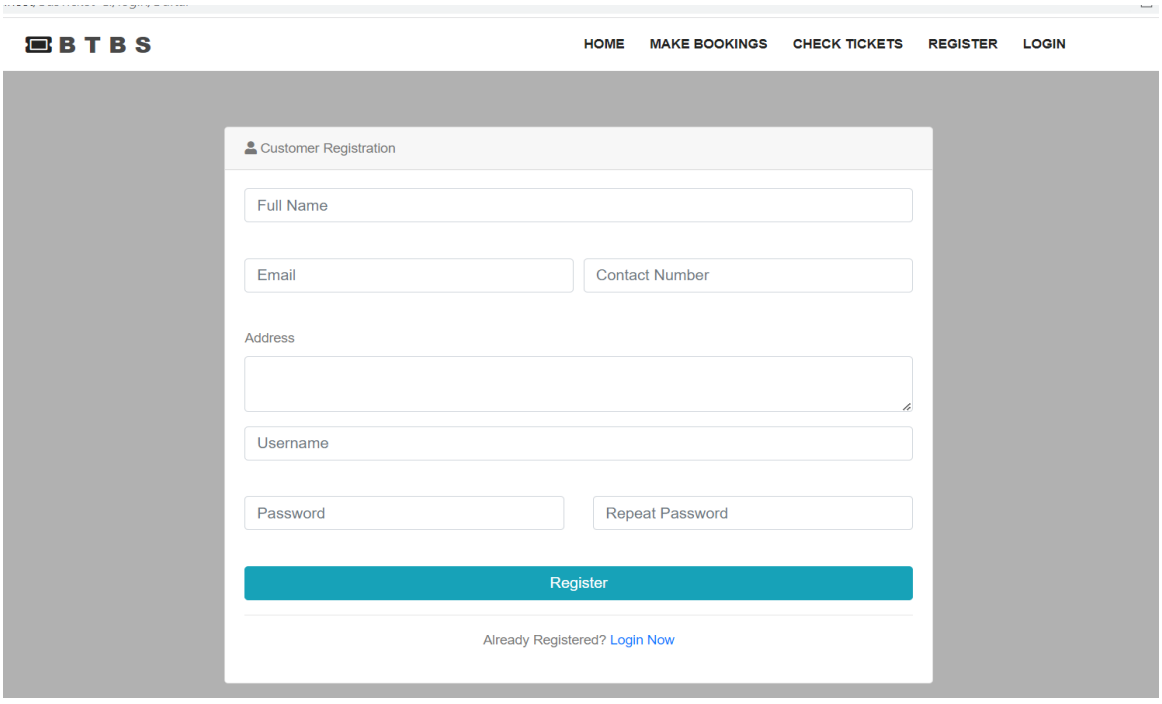

Fig 7.2 Register page

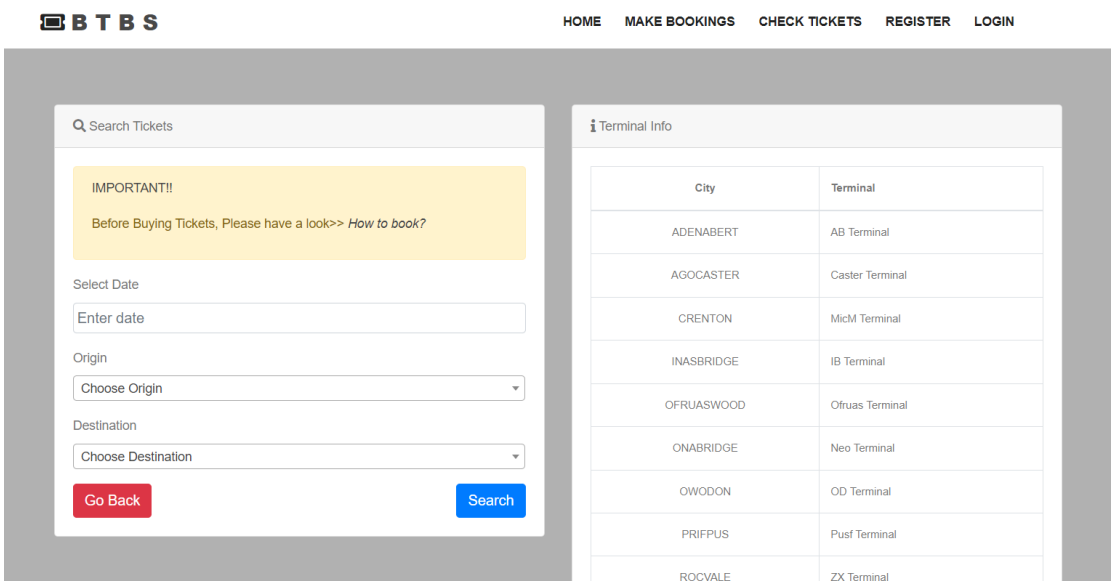

Fig 7.3. Ticket Booking

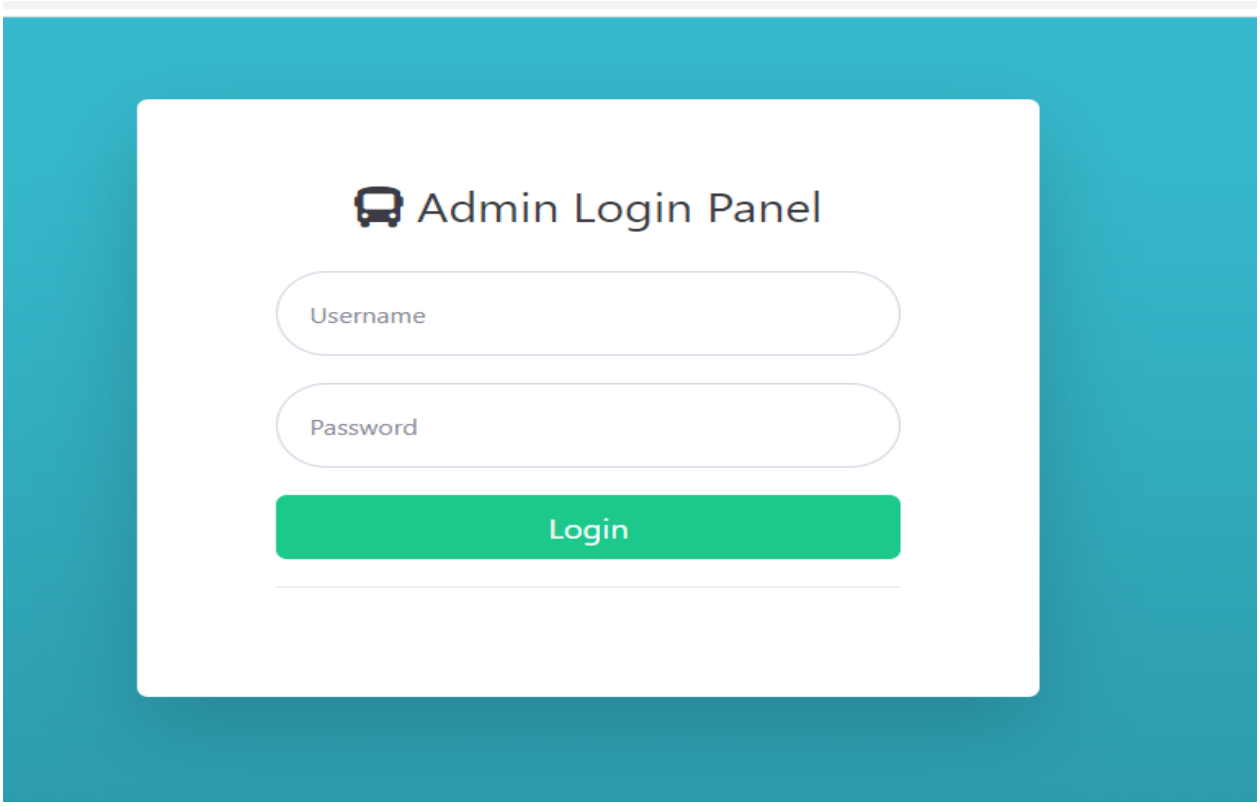

Fig 7.4 Admin login page

CODES :

INDEX.html:

```
<html>
   <head>
   <title>BTBS/LOGIN</title>
  <style >
   *{
      margin: 0;
      padding: 0;
      box-sizing: border-box;
      font-family: sans-serif;
      font-weight: lighter;
      }
   body{

   background-color: forestgreen;
   background-repeat: no-repeat;
   background-size: 960px;
   background-blend-mode: 100px;


   h2{
            padding: 30px 35px;
            margin: -10px -50px;
            text-align: center;
            border-radius: 10px 10px 0 0;
   }
   hr
   {
            margin: 10px -50px;
            border: 0;
            border-top: 1px solid;
            border-bottom: 40px;
   }
   div.container{
            width: 2000px;
            height: 610px;
            margin: 35px auto;
            margin-left: 870px;
            margin-top: 172px;
            font-family: 'Raleway','sans-serif';

   }
   div.co2{
            background-color: powderblue;
            width: 400px;
            padding: 10px 50px 25px;
            border: 2px solid gray;
            border-radius: 10px;
            font-family: raleway;
```

```
        float: right;
        margin-top: 30px;
        margin-left: 80px;

}
div.main{
        background-color: powderblue;
        width: 400px;
        padding: 10px 50px 25px;
        border: 2px solid gray;
        border-radius: 10px;
        font-family: raleway;
        float: left;
        margin-top: 50px;
        margin-left: 80px;
}
input[type=text],input[type=password]
{
        width: 100%;
        height: 40px;
        padding: 5px;
        margin-bottom: 25px;
        margin-top: 5px;
        border: 2px solid;
        color: #4f4f4f;
        font-size: 416px;
        border-radius: 5px;
}
label
{
        color: #464646;
        text-shadow: 0 1px 0 #fff;
        font-size: 14px;
        font-weight: bold;
}
center{
        font-size: 32px;
}
input[type=button]
{
        font-size: 16px;
        background-color: forestgreen;
        border: 1px solid;
        color: black;
        font-weight: bold;
        cursor: pointer;
        width: 100% ;
        border-radius: 5px;
        padding: 10px 0;
        outline: none;
```

```
	}
	.aa
	{
		width: 5px;
		height: 50px;
	}
</style>
<script >
	var a=5;
	function  val() {
		var email=document.getElementById("email").value;
		var password=document.getElementById("password").value;
		if(email=="aaa" && password=="aaa")
		{
			alert("LOGIN SUCCESS")
		}
		else
		{
			a--;
			alert("only",+a+,"attempts left")
			if(a==0)
			{
				document.getElementById("email").disabled=true;
				document.getElementById("password").disabled=true;
				document.getElementById("submit").disabled=true;
				return false;
			}
		}

	}
</script>
</head>
<body>
<div class="container1 flex">
<nav class="flex">
<h1>BTBS</h1>
</nav>
</div>

<div class="container">
	<div class="main">
		<h2>LOGIN</h2>

		<form id="form" method="post" name="myform">
			<label>EMAIL:</label>
			<input type="text" name="email" id="email" />
			<label>PASSWORD</label>
			<input type="password" name="password" id="password" />
			<input type="button" value="login" id="submit" onclick="val()" >

		</form>
```

```
        </div>

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