

# **BULK MESSAGE THROUGH E-MAIL**

## **A PROJECT REPORT**

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## BONAFIDE CERTIFICATE

Certified that this project report “**Bulk messages through Email**” is the bonafide work of “**AVINASH G, THIYANESHWAR K, S BHUVANESH**” who carried out the project work under my supervision.

**SIGNATURE**

**SIGNATURE**

**HEAD OF THE DEPARTMENT**

**SUPERVISOR**

### TABLE OF CONTENTS

CHAPTER NO.	TITLE	PAGE NO.
	ABSTRACT	IV
	LIST OF FIGURES	IX
	ABSTRACT	4
	INTRODUCTION	5
	BULK MESSAGE	6
	PROPERTIES	6
	Speed marketing:	6
	Customer's attention:	7

Effective communication:	7
Easy reach:	7
Future scope:	8
<b>EXAMPLE AND METHODOLOGY</b>	<b>9</b>
2.1 REAL LIFE EXAMPLE:-	9
2.2 METHODOLOGY:-	9
2.3 REQUIREMENT SPECIFICATIONS:-	10
<b>ABOUT</b>	<b>10</b>
3.1 FEATURES:-	10
3.2 RESOURCES:-	11
3.3 BLOCK DIAGRAM:-	11
<b>WORKING PROOF</b>	<b>13</b>
<b>CODE:</b>	<b>17</b>
BASIC CODE:	<b>Error! Bookmark not defined.</b>
PHP CODE:	19
CSS CODE:	21
<b>CONCLUSION</b>	<b>25</b>
<b>Reference</b>	<b>27</b>

## **ABSTRACT**

This project is very useful for the study of C# .net and interaction between EMAILS and Computer program. This project report consists of basic idea of BULK message receiving and sending through personal computer. This project basically support to busy people who want to save the time. We have provide easy interaction for user for adding new contact name & contact number. And also we can store information that person .We have provide MySQL database for store information of the person.

There are two types of BULK EMAIL services .i.e. Promotional and Transactional. We are mainly emphasis on promotional Email. Email will be delivered 9 am to 9 pm only.

While Email (Short Message Service), a text messaging service, appeals to instant communication by utilising mobile technology to send a text message to anyone anytime, anywhere, bulk Email systems have expanded that capability of EMAIL by implementing the ability to easily send multiple Email messages to intended recipients with dependability. The benefits of bulk EMAIL can be used at colleges and universities to create virtual communities for public relations purposes and to improve classroom interactions.

Lecturers can use EMAIL to send their students mobile quizzes with a variety of question formats. Additionally, bulk EMAIL systems offer informational services including providing important notices, breaking news, and material of interest to lecturers, students, and other relevant receivers. It makes use of text messaging services by enabling students to ask and answer questions right

away. In terms of academic information and public relations, the system retrieves student interest information from the university's e-service systems and distributes it to registered users. This information includes admission announcements, university news and events, enrolment information, internship opportunities, and grade results. The aim of this project is to create a wireless communication-based system that uses a variety of technologies, including mobile and web technology, to support, improve, and augment student learning and public relations.

## **INTRODUCTION**

Bulk mailing sends a large number of SMS messages for delivery to mobile terminals. It is used by media companies, businesses, banks for marketing and fraud prevention and consumer brands for various applications, including entertainment, business marketing, and mobile marketing. Messaging is widely used for alerts, reminders, marketing, but also for information and communication between staff and customers.

Bulk messaging allows you to send SMS messages to mobile phones. Bulk Email is Email that is sent to a large group of recipients. Bulk Email has become an important part of organizational communication — the collective and interactive process of generating and interpreting information within organizations to achieve their purposes.

## **BULK MESSAGE**

Simply put, bulk EMAIL is the act of sending several messages all at once or with a single click.

A message can be sent to a lot of recipients by using the bulk message sender. A web-based programme is required to send a limited number of messages at once.

Bulk messaging is the distribution of several messages at once for mobile phone delivery. Our bulk EMAIL module will be accessible through the EMAIL platform's web-based management tool without your customer installing any software.

Sending large amounts of messages within a company is becoming increasingly common and is used in marketing and banking. Big and small business owners, the e-commerce sector, media companies, banks, and others frequently utilise bulk EMAIL for alerts, marketing, and fraud control warnings, reminders, and product and service marketing. It is frequently used between customers and employees of companies or banks. Bulk messaging has the benefit of sending your message directly to mobile devices all around the world.

## **PROPERTIES**

### **Speed marketing:**

Since most businesses are now mobile, you have considerably less time to stay in touch with your prospective clients.

Therefore, any message you want to get through must be succinct and to the point in order to save the customer's time. Additionally, bulk EMAIL allows for mass access.

### **Customer's attention:**

Getting customers' attention is the key to presenting your product or service as a viable option. Here, the length of time that clients spend reading an Email or EMAIL is a crucial component that must be working for them.

It also takes into account the effort the reader expends while reading the material. Because EMAIL requires less effort from the customer and can be read later after delivery, it is more successful than Email.

### **Effective communication:**

Bulk EMAIL are unidirectional communication channel, a contact number.

A website link can be easily shared through the message. Such information can be used for customer's further reference. In addition to this, a personalized message can be sent to the respective set of customers according to the details of demographics and their interests.

### **Easy reach:**

Now a day's even a simplest mobile phone has an Email features. People do Not need any internet connection to access the Email features (that is the best bulk Email benefits it has very few dependency). That means you can reach more user with Email than any other platform.

## **Future scope:**

The following examples show how Bulk EMAIL Easy is used in different sectors to improve business and communication efficiency and address pressing business issues there is room for bulk EMAIL, particularly in India. As you are aware, India is still a developing nation and has a high demand for bulk EMAIL.

Even school-age children can send EMAIL messages because they are relatively simple to do. The ability to text is one that can be learned without any formal training. People send many messages every day to friends, co-workers, and even complete strangers. Today, this function is being used for profit. Many small and medium sized businesses now find bulk EMAIL marketing to be quite appealing. Numerous benefits come with bulk EMAIL marketing. First and foremost, since you know exactly who you are sending the message to, there is no advertising waste.

Additionally, you have total freedom to send the desired message. Businesses invest thousands of rupees only to draw customers, but they are unable to keep even a small percentage of them.

Utilizing technology, businesses may build a solid communication link between their brands and their target audiences. While there are numerous ways to reach customers, bulk EMAIL services are different since they rapidly enhance sales and two-way connection.

You cannot control the timing of the message delivery in print or TV advertising because it is influenced by a number of factors. However, using EMAIL, you could current client reads marketing you can choose the day and hour you want to send the message to make sure it gets there. Therefore, it is more advantageous. Implementing a bulk EMAIL marketing strategy is rather inexpensive. With the appropriate software, sending bulk EMAIL in India is simple. Make sure to use the proper methods to collect prospective customers' phone numbers when you want to send out bulk EMAIL. The bulk EMAIL is the ideal option for marketers. There is no reason to doubt that using bulk EMAIL services will help marketers effortlessly market their goods and services to a large audience and draw in more potential clients.



## **EXAMPLE AND METHODOLOGY**

### **2.1 REAL LIFE EXAMPLE:-**

Mass Email marketing refers to sending one Email message to a large group or list of contacts. Mass Email marketing is useful for information that is relevant to large numbers of contacts (like a newsletter or a company update).

For example; if any college arranged campus pool and there are up to 500 candidates are interested for that. Then college not going to send Email individually, they will send Email to everyone at once through batch mailing.

### **2.2 METHODOLOGY:-**

India has one of the densest and prospective markets for cellular phones and mobile service providers have a strict policy about providing access to their customers bases .Many consumers activate “Do not Disturb” services that disallow mass publicity calls and messages .

However ,bulk SMS service provider in Mumbai maintain database of people who are open to mass messages .this means that audience more efficiently .not all bulk SMS reseller providers have extensive resources however, and it is up to you to select the right vendor.

**BULK SMS's** reach the target they reach the client directly. A message on your phone is something that you can always refer to later; and it doesn't go ignored as marketing calls often do .bulk **SMS's** will allow you a deeper reach into the market without spending as much as you would when engaging in conventional marketing!.

## **2.3 REQUIREMENT SPECIFICATIONS:-**

To be used efficiently, all the computer software needs certain hardware compounds that are the other software resources to be present on a computer. These present pre-requirements are known as system requirements and are often used as a guideline as opposed to an absolute rule. Most software defines two sets of requirements minimum and recommended with increasing demand for higher processing power and resources in newer versions of software, system requirement tends to increase over time.

## **ABOUT**

### **3.1 FEATURES:-**

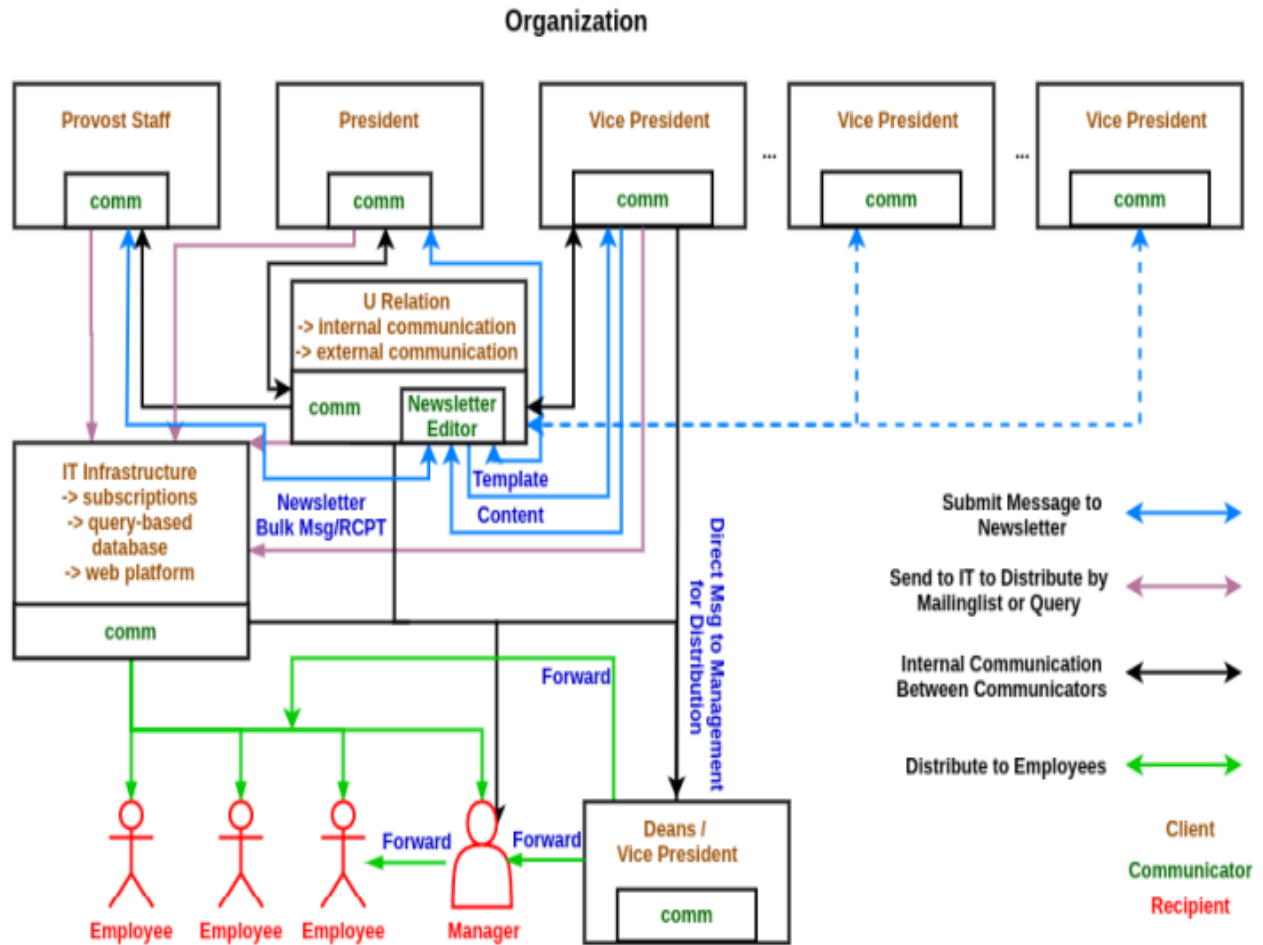
- Unlimited dynamic sender ID, SMS can be pressed by a dynamic sender ID.
- SMS messages can be pushed from a small response number that allows the recipient to return.

- It is fast delivery guaranteed.
- High end API, SMPP connectivity and software integration
- Facility of Life does not interfere with gateways.
- Client and database protection.

### **3.2 RESOURCES:-**

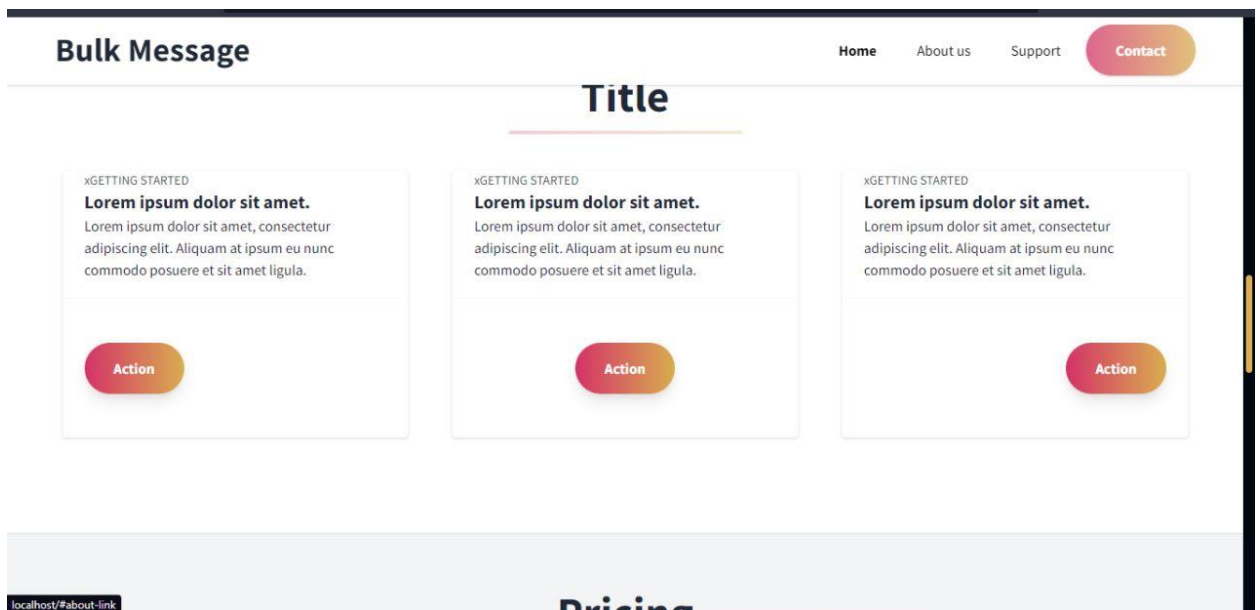
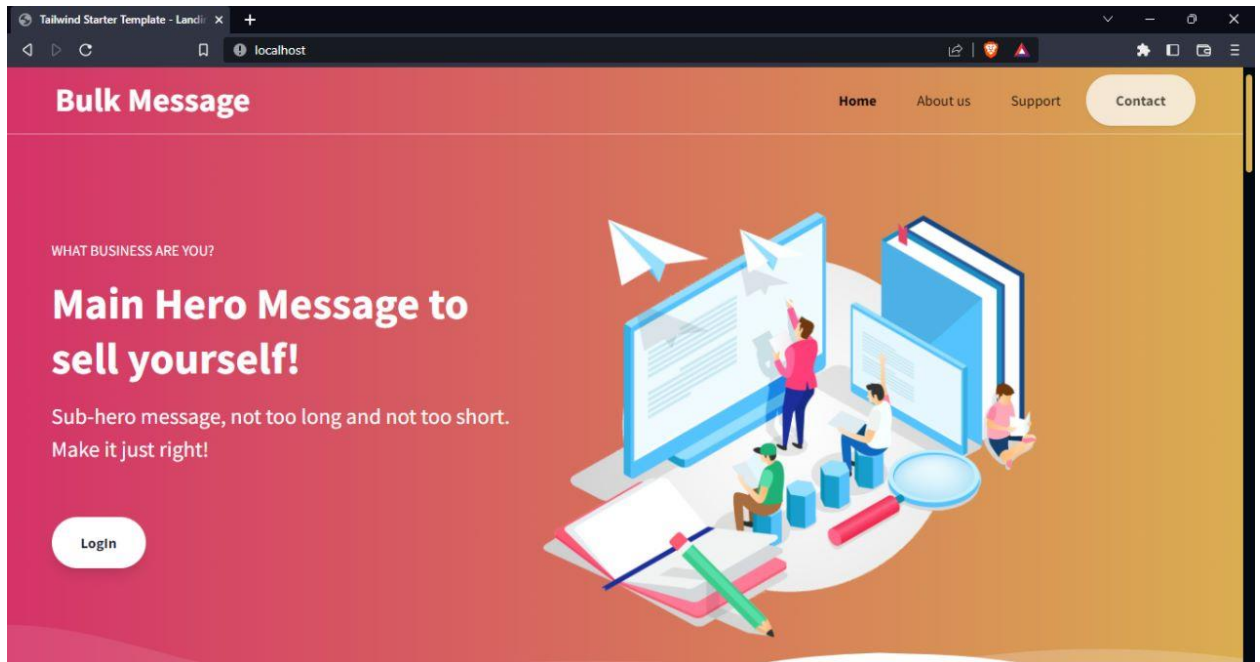
The website is created using HTML, CSS, JavaScript and PHP.

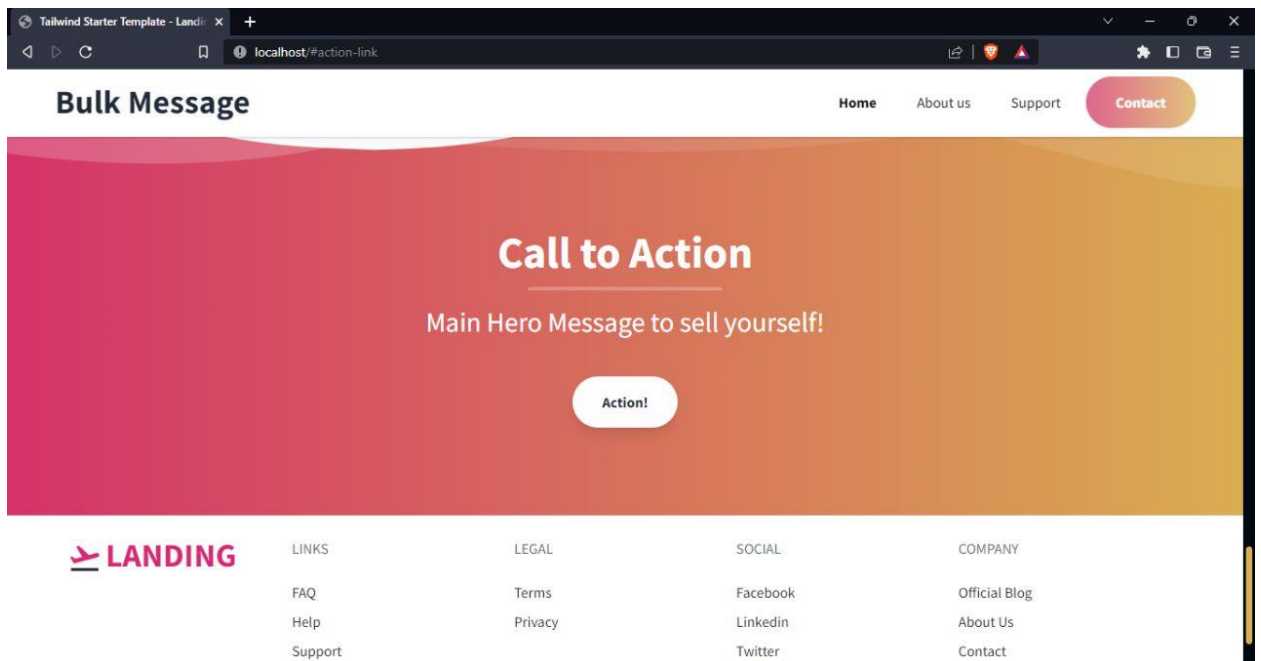
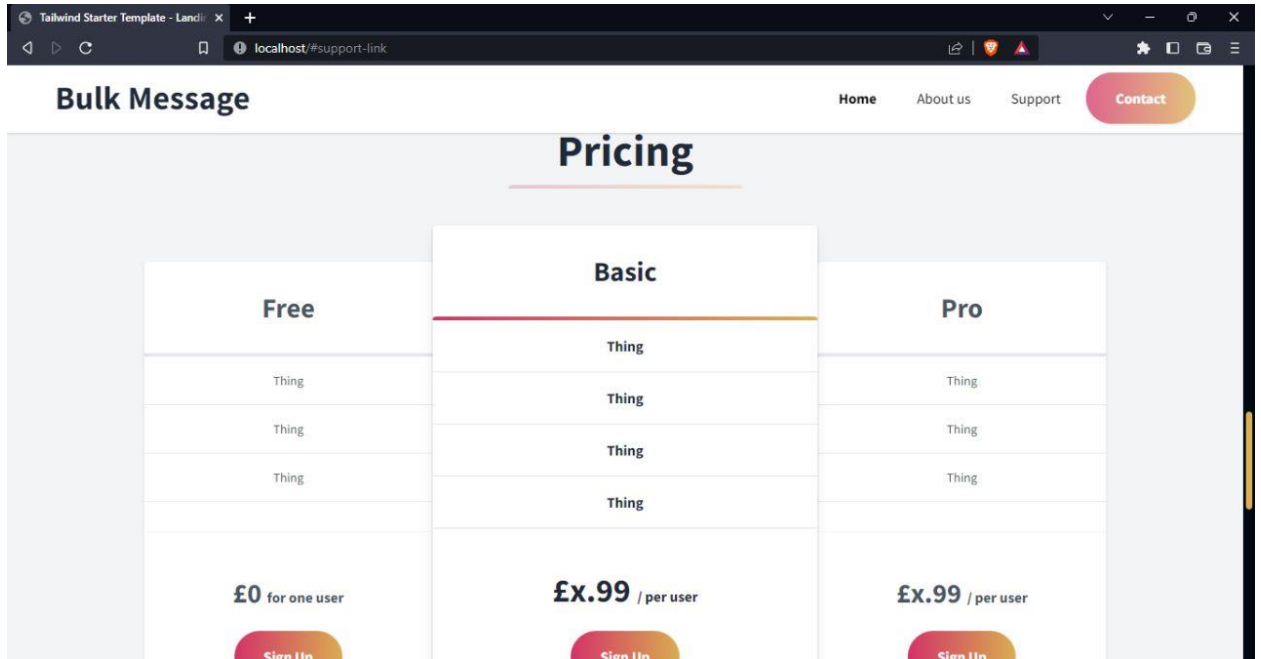
### **3.3 BLOCK DIAGRAM:-**

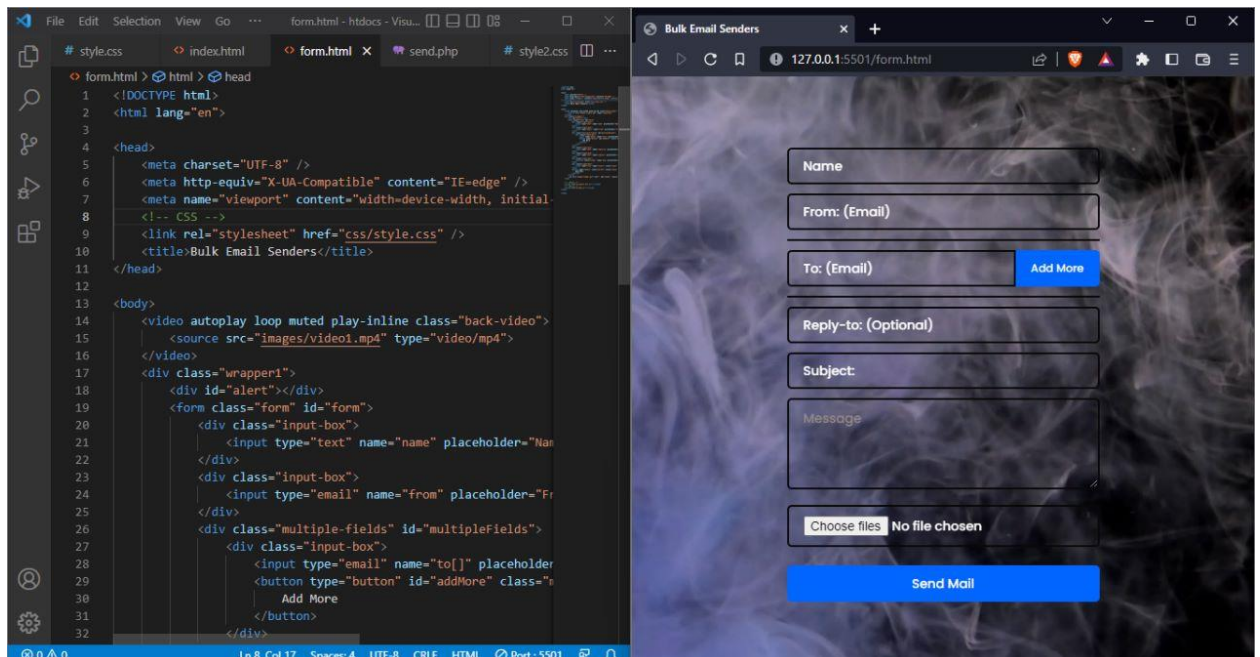
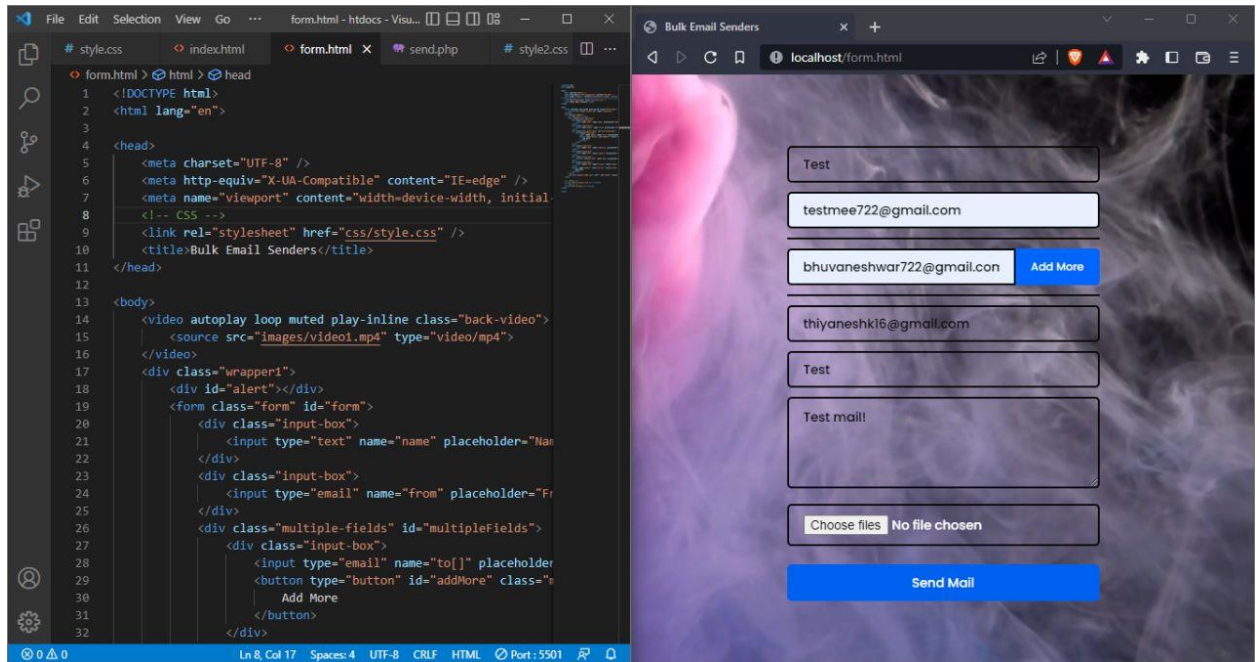


Structure of the Bulk Email System of the University; “comm” stands for communicators.

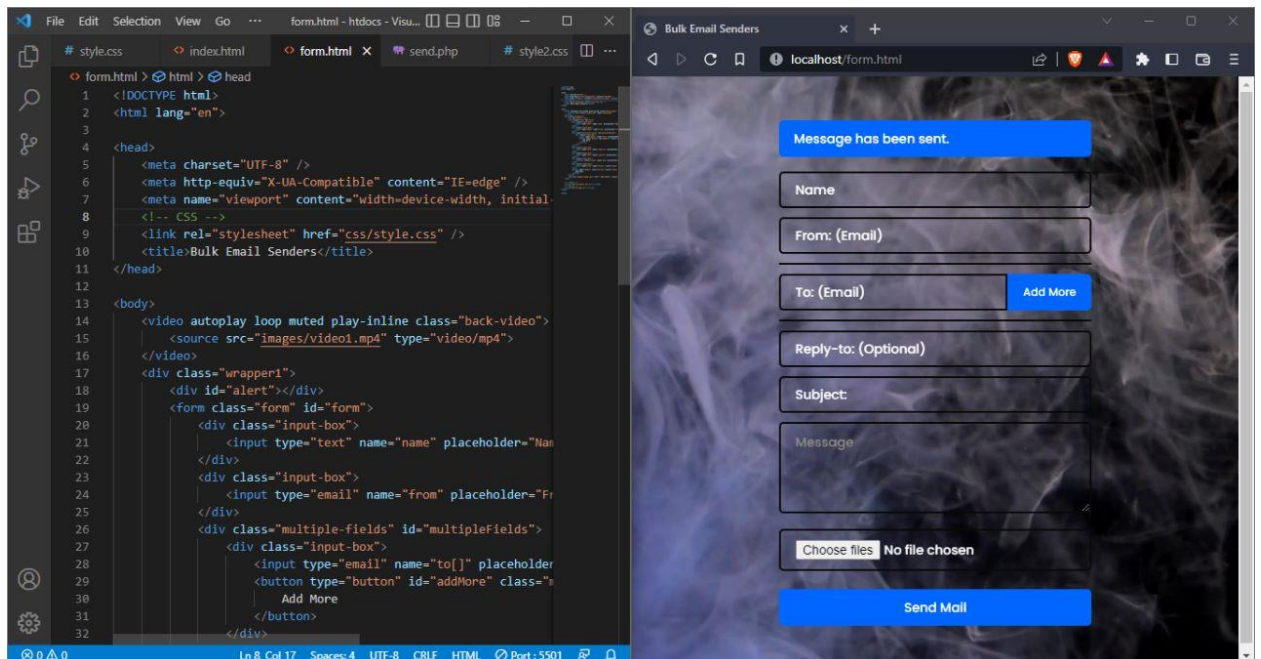
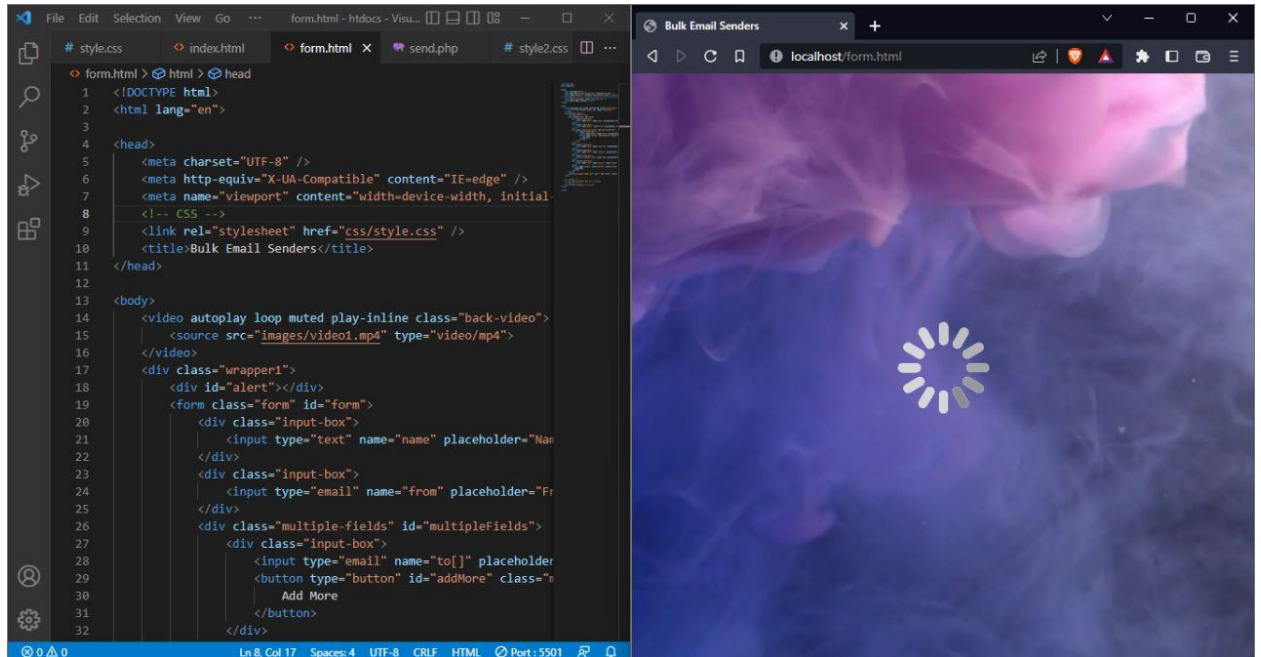
# WORKING PROOF













## CODE:

### BASIC CODE:

```
<!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" />

  <!-- CSS -->

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

  <title>Bulk Email Senders</title>

</head>

<body>

  <video autoplay loop muted play-inline class="back-video">
    <source src="images/video1.mp4" type="video/mp4">
  </video>

  <div class="wrapper1">
    <div id="alert"></div>
    <form class="form" id="form">
      <div class="input-box">
        <input type="text" name="name" placeholder="Name" class="input"
required />
```

```

</div>

<div class="input-box">

    <input type="Email" name="from" placeholder="From: (Email)"
class="input" required />

</div>

<div class="multiple-fields" id="multipleFields">

    <div class="input-box">

        <input type="Email" name="to[]" placeholder="To: (Email)"
class="input first" required />

        <button type="button" id="addMore" class="my-btn btn-sm">

            Add More

        </button>

    </div>

</div>

<div class="input-box">

    <input type="text" name="reply-to" placeholder="Reply-to: (Optional)"
class="input" />

</div>

<div class="input-box">

    <input type="text" name="subject" placeholder="Subject:" class="input"
required />

</div>

<div class="input-box">

    <textarea class="input" name="msg"
placeholder="Message"></textarea>

</div>

<div class="input-box">

    <input type="file" name="file[]" class="input" multiple />

```

```

        </div>

        <button type="submit" class="my-btn" style="width: 100%; margin-top:
10px">

            Send Mail

        </button>

    </form>

</div>

<!-- jQuery -->
<script src="js/jquery.min.js"></script>

<!-- App.js -->
<script src="js/app.js"></script>

</body>

</html>

```

## PHP CODE:

```

<PHP>
use PHPMailer\PHPMailer\PHPMailer;
use PHPMailer\PHPMailer\SMTP;
use PHPMailer\PHPMailer\Exception;

//Load Composer's autoloader
require 'phpmailer/autoload.php';

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

```

```

$reply_to = $_POST['reply-to'];
$subject = $_POST['subject'];
$msg = $_POST['msg'];

//Create an instance; passing `true` enables exceptions
$mail = new PHPMailer(true);

try {
    //Server settings
    $mail->SMTPDebug = SMTP::DEBUG_SERVER;           //Enable
verbose debug output
    $mail->isSMTP();                                 //Send using
SMTP
    $mail->Host      = 'smtp.gmail.com';             //Set the SMTP
server to send through
    $mail->SMTPAuth  = true;                         //Enable
SMTP authentication
    $mail->Username  = 'testmee722@gmail.com';       //SMTP
username
    $mail->Password  = 'ofqkkcgujnvpytte';          //SMTP
password
    $mail->SMTPSecure = PHPMailer::ENCRYPTION_SMTPS;  //Enable
implicit TLS encryption
    $mail->Port      = 465;                          //TCP port
to connect to; use 587 if you have set `SMTPSecure =
PHPMailer::ENCRYPTION_STARTTLS`

    //Recipients
    $mail->setFrom($from, $name);
    foreach ($_POST['to'] as $key => $value) {
        $mail->addAddress($value);
    }
    if (!empty($reply_to)) {
        $mail->addReplyTo($reply_to);
    }

    //Attachments
    foreach ($_FILES['file']['name'] as $key => $value) {
        $target = "../uploads/" . rand() . $value;
        move_uploaded_file($_FILES['file']['tmp_name'][$key], $target);

        $mail->addAttachment($target);
    }
}

```

```

    //Content
    $mail->isHTML(true); //Set Email format
to HTML
    $mail->Subject = $subject;
    if (!empty($msg)) {
        $mail->Body = $msg;
    } else {
        $mail->Body = ' ';
    }

    $mail->send();
    echo 'Message has been sent';
} catch (Exception $e) {
    echo "Message could not be sent. Mailer Error: {$mail->ErrorInfo}";
}

```

## CSS CODE:

```

<CSS>
/* Import Google Font - Poppins */
@import
url("https://fonts.googleapis.com/css2?family=Poppins:ital,wght@0,100;0,200;0,300;0,400;0,500;0,600;0,700;0,800;0,900;1,100;1,200;1,300;1,400;1,500;1,600;1,700;1,800;1,900&display=swap");

:root {
    --bg-color: #F8EDE3;
    --theme-color: #06f;
    --hover-color: rgb(0, 97, 241);
    --border-color: #090909;
    --input-focus: rgb(240, 236, 236);
}

* {
    margin: 0;
    padding: 0;
}

```

```

    box-sizing: border-box;
    font-family: "Poppins", sans-serif;
}

body {
    background: var(--bg-color);
    min-height: 100vh;
    display: flex;
    justify-content: center;
    align-items: center;
    flex-direction: column;
    padding: 3rem 0;
}

.back-video{
    position: absolute;
    right: 0;
    bottom: 0;
    z-index: -1;
}

@media(min-aspect-ratio:16/9){
    .back-video{
        width:auto;
        height: auto;
    }
}

@media(min-aspect-ratio:16/9){
    .back-video{
        width:auto;
        height: auto;
    }
}

.wrapper {
    background: transparent;
    padding: 3rem 2rem;
    border-radius: 5px;
    width: 400px;
}

.form {
    width: 100%;
}

```

```

.form .input-box {
  width: 100%;
  display: block;
  margin: 10px 0;
}

.form .input-box .input {
  background: transparent;

  width: 100%;
  border: 2px solid var(--border-color);
  outline: none;
  padding: 10px 16px;
  height: 40px;
  border-radius: 5px;
  font-weight: 500;
  font-size: 14px;
  transition: 0.3s all ease;
}

.form .input-box .input:focus {
  background: var(--input-focus);
  border-color: var(--theme-color);
}

.form .input-box textarea.input {
  height: 100px;
  resize: vertical;
}

.form .input-box input[type="file"].input {
  height: unset !important;
}

.form .multiple-fields {
  border-top: 2px solid var(--border-color);
  border-bottom: 2px solid var(--border-color);
}

.form .multiple-fields .input-box {
  display: flex;
}

```

```

.form .multiple-fields .input-box .first {
  flex: 5;
  border-top-right-radius: 0;
  border-bottom-right-radius: 0;
}

.form .multiple-fields .input-box .my-btn {
  flex: 1.4;
  border-top-left-radius: 0;
  border-bottom-left-radius: 0;
}

.my-btn {
  background: var(--theme-color);
  border: none;
  color: white;
  font-weight: 500;
  font-size: 14px;
  border-radius: 5px;
  outline: none;
  cursor: pointer;
  padding: 10px 16px;
  height: 40px;
  transition: 0.3s all ease;
}

.my-btn:hover,
.my-btn:focus,
.my-btn:active,
.my-btn.active {
  background: var(--hover-color);
}

.btn-sm {
  font-size: 12px;
}

.alert {
  background: var(--theme-color);
  color: white;
  font-size: 14px;
  font-weight: 500;
  height: 40px;
  padding: 10px 16px;
}

```



```

border-radius: 5px;
margin-bottom: 1rem;
}

.loader {
width: 100px;
margin: 0 auto;
display: block;
}

input[type="text"]::placeholder,input[type="Email"]::placeholder,input[typ
e="file"]{
color: rgb(255, 255, 255);
}
textarea::placeholder{
color: rgb(146, 139, 139);
}

```

## CONCLUSION

This project is widely useful in any organization, colleges, banking, companies, e-commerce, market news, government & public utilities, logistics, media & entertainment, travel & tourism industry etc.

Alert your customer/user about the new updates of organization/colleges. In logistics it is used to send the shipping updates, invoice, bills, tracking details about web URLs and much more via an SMS. Media & Entertainment it use to invite the audience to an FM/TV show or ask the audience to vote for their favourite contestants in your reality show. And it also used in travel and tourism industry became the travel buddy of your customer by sending all travel routes via SMS to make their journey more hassle-free.

The purpose of marketing. We understand the importance of marketing keeping in mind the product of service offered by the client. We plan the marketing schedule based on maximum impact. Promotion is an integral part of business and timely promotion is the most effective way of generating business.



## Reference

+ Arnaud Henry-Labordere, Vincent Jonack- "EMAIL and MMS Interworking in Mobile Networks".

+ Eric Gunnerson - "A Programmer's Introduction to C#, 2nd Edition (Apress)".

+ Ted Faison — "Component-Based Development with Visual (M&T books)".

+ Dotson Creative Publishers- "Bulk EMAIL Business Blueprint: How To Start Bulk EMAIL Business Online (Unlimited-WEALTH BOOKS) (Kindle Edition)".

+ Paul DuBois- "MySQL (4th Edition)".

+ Dudley W. Gill- "Building Web Applications with C# and .NET: A Complete Reference.