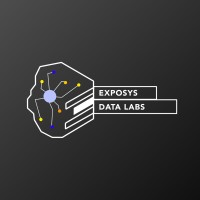
******

***EXPOSYS DATA LABS***

Mass-Mail

Dispatcher WebSite

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ABSTRACT

This project is web-based mass mail dispatcher is designed to send mass mails to all the recipients uploaded through a csv file.

The application will list and sort out all the valid and invalid emails detected by the application in the csv file.

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**Introduction**

WEB DEVELOPMENT PROJECT - “Design and Develop Website Mass-Mail Dispatcher”

* This project is the web-based Mass-Mail Dispatcher.
* The application is designed to send mass mails to all the recipients uploaded through a CSV file.
* The purpose of this is to provide a tool to control and send emails to a vast number of recipients emails.
* The application will list and sort out all the valid and invalid emails detected by the application allowing the users to send emails more readily as per user convenience.
* The end user should be able to upload CSV file.
* The application shall list the detected invalid emails found in the CSV File.
* The user should be given a structured list of the valid emails.

**Existing method**

* There are many websites which validates the Email But not in the large no of emails within a Second.
* Many online Websites exists which can be used to send mail in bulks using API.

* Issues in existing systems-
  + Send one email at one time using the Server.
  + Expensive.
  + Such website will not validate mails.
  + Less interactive.

**Proposed method**

* The Website with Validation as well as Mass Messaging System for vast no of emails.
* Design & Style the Home Webpage.
* Apply the JavaScript on page to take the Csv file (containing emails) from User.
* Apply JavaScript which helps in validation of all the Emails and Sorted into valid & Invalid Emails List.
* Display All the Valid Emails & Invalid Emails.
* Design A Send Page Where We Can Send the Mass Mail to All the Valid recipients Emails in the Csv File.

**Methodology**

1. Creating Home Page:

* With the Use of HTML, CSS & JavaScript, Created Webpage having Home page, Send Message Page, Emails page, About Us which is link to Exposys Data labs website & the Contact link of Creator.
* After Submitting the Csv file into the input location of Home Page. JavaScript will Work, Email Validation Occur in the file Containing Emails.
* The Data of all Valid & invalid Emails in the file is Stored in the JS Storage and Transfer the data into the Emails Page. That is Link to the Submit Button.

1. Creating Emails Page:

* With the Use of HTML & CSS Created Webpage having Tables of Heading Valid & Invalid.
* Using JavaScript, we Fetch all the List of Valid emails & Invalid emails data along with Counting that will Display in the Body of Table.
* Now If We Wants to Send Mass Mails to recipients Click on the Send Message button in Navbar which is Directly Link to Send Message Page.

3. Creating Message Page:

* With the Use of HTML & CSS Created this Page which will take all required inputs from the user to Send Message through Email Service.
* Using JavaScript local Storage, we Fetch all the valid Emails lists.
* After Clicking the Send Button JS will Establish the Connection with the SMPT Server and Run the Script for every email and sending Message to the vast no. of recipients within a Seconds.

Implemented Source Code

Index Page:

<body>

  <header>

    <div class="nav">

      <p id="heading">EXPOSYS DATA LABS</p>

      <ul>

        <li><a href="/index.html">HOME</a></li>

        <li><a href="/sendMssg.html">SEND MESSAGE</a></li>

        <li><a href="/VINVmails.html">EMAILS</a></li>

        <li><a href="/aboutus.html">ABOUT US</a></li>

      </ul>

    </div>

  </header>

  <hr style="border: 1px solid black; margin: 0px; padding: 0px" />

  <main>

    <div class="div1">

      <br>

      <br>

      <h1>MASS-MAIL DISPATCHER</h1>

      <br>

      <br>

      <center>

        <form action="/VINVmails.html">

          <div class="container1">

            <label for="Sfile" style="margin-left: 140px;">SELECT THE CSV FILE: </label>

            <input type="file" style="font-size: x-large;" id="uploadfile" accept=".csv" <a class="upload"

              id="call-to-action"><span></span></a>

            <br>

            <br>

            <button id="resetbtn" type="button" onClick="this.form.reset()" style="font-size: x-large;">

              Reset file

            </button>

            <button style="font-size: x-large;" id="btn">

              <div class="batn" style="font-size: x-large;"><a href="/VINVmails.html" class="btn btn-success"

                  role="button" id="myButton">Submit</a></div>

            </button>

          </div>

        </form>

      </center>

    </div>

  </main>

  <footer>

    <span>@Creator :</span>

    <a href="https://www.linkedin.com/in/hritik-gupta-5352a01b8/" target="\_blank"><img src="/images/lnkdin.png"

        id="img2" alt="Linkdin">Hritik</a>

  </footer>

  <script>

    const fileInput = document.querySelector('input');

    fileInput.addEventListener('change', () => {

      const fr = new FileReader();

      fr.readAsText(fileInput.files[0]);

      fr.onload = function () {

        const csv = fr.result;

        const array = csv.split('\r\n').map((line) => {

          return line.split(',');

        });

        array.shift();

        sessionStorage.setItem("array", array);

      };

    });

  </script>

</body>

Emails Page:

 <main style="width: 100%; height: 468px">

    <div class="scroll">

      <div class="valTab">

        <table id="val" style="position: relative;top: -2px;width: 100%;height: auto;justify-content: center;">

          <thead>

            <th>

              <h3>Valid Emails : <span id="valCount"></span></h3>

            </th>

          </thead>

          <tbody id="valbody"></tbody>

        </table>

      </div>

    </div>

    <div class="scroll" style="margin: 0; padding: 0">

      <div class="invalTab">

        <table id="inval" class="emails" style="position: relative; top: -2px; width: 100%; height: auto">

          <thead>

            <th>

              <h3>Invalid Emails : <span id="invalCount"></span></h3>

            </th>

          </thead>

          <tbody id="invalbody"></tbody>

        </table>

      </div>

    </div>

  </main>

 <script>

    Window.valNo = 0;

    Window.invalNo = 0;

    Window.valMail = [];

    Window.invalMail = [];

    var array = sessionStorage.getItem("array");

    var array = array.split(",");

    // console.log(array[0]);

    // console.log(array.length);

    for (let index = 0; index < array.length; index++) {

      var mailformat = /^\w+([\.-]?\w+)\*@\w+([\.-]?\w+)\*(\.\w{2,3})+$/;

      if (array[index].match(mailformat)) {

        Window.valNo = Window.valNo + 1;

        Window.valMail.push(array[index]);

      } else {

        Window.invalMail.push(array[index]);

        Window.invalNo = Window.invalNo + 1;

      }

    }

    document.querySelector("#valCount").innerHTML = Window.valNo;

    document.querySelector("#invalCount").innerHTML = Window.invalNo - 1;

    for (let index = 0; index < Window.valNo; index++) {

      var body1 = document.getElementById("valbody");

      var row = body1.insertRow();

      var valids = row.insertCell();

      valids.innerHTML = Window.valMail[index];

    }

    for (let index = 0; index < Window.invalNo; index++) {

      var body1 = document.getElementById("invalbody");

      var row = body1.insertRow();

      var valids = row.insertCell();

      valids.innerHTML = Window.invalMail[index];

    }

    sessionStorage.setItem("valmails", Window.valMail);

  </script>

Send Page:

 <main style="height: 440px;">

    <form action="" class="container2">

      <div style="text-align:center ;margin: top 0;">

        <h3>SEND MESSAGE</h3>

        <label for="name">Your Name: </label><input type="text" name="name" id="name"

          style="height: 22px;font-size:large;">

        <br>

        <br>

        <label for="sender">Enter your Email: </label><input type="email" name="senderEmail" id="senderEmail"

          style="height:22px;font-size:large">

        <br>

        <br>

        <label for="mssg">Message Subject: </label><input type="text" name="subj" id="subj"

          style="width: 300px;height: 22px;font-size:large;">

        <br>

        <br>

        <textarea name="mssg" id="mssg" cols="90" rows="8" placeholder="Enter your Messages Here!!!"></textarea>

        <br>

        <input type="button" value="Send" style="font-size: x-large;" onclick="Sendingcall()">

      </div>

    </form>

  </main>

 <script src="https://smtpjs.com/v3/smtp.js"></script>

  <script>

    function Sendingcall() {

      var array = sessionStorage.getItem("valmails");

      console.log(typeof array);

      var array = array.split(",");

      for (let index = 0; index < array.length; index++) {

        Email.send({

          Host: "smtp.elasticemail.com",

          Username: "hritikguptak@gmail.com",

          Password: "D1F45596DC543A15A65DC34955D7024779E4",

          To: array[index],

          From: document.getElementById('senderEmail').value,

          Subject: document.getElementById('subj').value + " New message from " + document.getElementById('name').value,

          Body: document.getElementById('mssg').value,

        }).then(

          message => {

            if (message == 'OK') {

              alert('Your mail has been send.Thank you!!');

              location.reload();

            }

            else {

              console.error(message);

              alert('There is error at sending message. ');

            }

          }

        );

      }

    }

  </script>

**Conclusion**

The Project is Successfully Completed and Working Which really helps to the people who wants to check the Valid and Invalid Emails in the Lists of Vast no of email data and Also Send the Mass Mails to the large no of recipients.

Skills of Web Development is Very Helpful to Successfully Complete this Project.

**THANK YOU!**

***EXPOSYS DATA LABS***

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