

Example 1

Many Google apps, one platform in the cloud

Increase the power of your favorite Google apps — like Calendar, Docs, Drive, Gmail, Sheets, and Slides.

Apps Script lets you do more with Google, all on a modern JavaScript platform in the cloud. Build solutions to boost your collaboration and productivity.

<https://developers.google.com/apps-script>

Drive <https://drive.google.com/drive/my-drive>

Permissions remove <https://myaccount.google.com/permissions>

```
const myForm = document.querySelector('#signup');
const output = document.querySelector('.output');
output.style.display = 'none';
const url = 'https://script.google.com/macros/s/AKfycbzGo****XAnGx9m7A76nI0SM/exec';
myForm.addEventListener('submit', (e) => {
  e.preventDefault();
  const ele = myForm.elements;
  //console.log(ele);
  //console.log('Sending Data');
  const holder = {};
  const err = [];
  for (let i = 0; i < ele.length; i++) {
    //console.log(ele[i]);
    const el = ele[i];
    let val = true;
    if (el.getAttribute('type') == 'submit') {
      val = false;
    };
    if (el.name == 'user') {
      if (el.value.length < 5) {
        val = false;
        err.push('Name needs to be 5 or more');
      }
    }
    if (el.name == 'email') {
      let check = validateEmail(el.value);
      console.log(check);
    }
  }
});
```

```

        if (!check) {
            val = false;
            err.push('Not valid email');
        }
    }
    if (val) {
        holder[el.name] = el.value;
    }
}
if (err.length > 0) {
    output.innerHTML = "";
    output.style.display = 'block';
    err.forEach(error => {
        output.innerHTML += '<div> ' + error + '</div>';
    })
} else {
    //form submit
    console.log(holder);
    output.style.display = 'block';
    output.innerHTML = 'Sending...'
    fetch(url, {
        method: 'POST',
        body: JSON.stringify(holder)
    })
    .then(rep => rep.json())
    .then(data => {
        console.log(data);
        clearForm();
    })
}
})

```

```

function clearForm() {
    const ele = myForm.elements;
    output.style.display = 'none';
    output.innerHTML = "";
    for (let i = 0; i < ele.length; i++) {
        if (ele[i].getAttribute('type') != 'submit') {
            ele[i].value = "";
        }
    }
}

```

```

function validateEmail(email) {

```

```
const re = /\S+@\S+\.\S+;/;
return re.test(email);
}
```

```
<!DOCTYPE html>
<html>
```

```
<head>
  <title>JavaScript API</title>
  <style>
    .container {
      width: 80%;
      margin: auto;
      background-color: #ddd;
      padding: 15px;
      border-radius: 25px;
    }

    input,
    textarea {
      display: block;
      width: 100%;
      margin: 10px 0;
      font-size: 1.2em;
      border-radius: 5px;
      padding: 5px;
    }

    input[type="submit"] {
      background-color: black;
      color: white;
      cursor: pointer;
    }

    input[type="submit"]:hover {
      opacity: 0.8;
    }

    .output {
      background-color: white;
      padding: 25px;
      text-align: center;
      border: 1px solid red;
    }
  </style>
</head>
```

```

        font-family: Impact, Haettenschweiler, 'Arial Narrow Bold', sans-serif;

    }

    .output div {
        margin: 5px 0;
    }
</style>
</head>

<body>
    <div class="container">
        <form id="signup">
            <div>
                <input type="text" name="user" value="Laurence" required>
            </div>
            <div>
                <input type="text" name="email" value="gappscourses@gmail.com" required> </div>
            <div>
                <textarea name="message">Hi How are You</textarea> </div>
            <div>
                <input type="submit" value="Send Message"> </div>
        </form>
        <div class="output"></div>
    </div>
    <script src="code7.js"></script>
</body>

</html>
function doGet(e){
    Logger.log('hello');
    const obj = {
        parameter : 'test'
    }
    const output = JSON.stringify(e);
    console.log(output);
    const test = ContentService.createTextOutput(output);
    return test;
    //return ContentService.createTextOutput(JSON.stringify(e));
}

function doPost(e){
    const json = JSON.parse(e.postData.contents);
    const email = json.email;

```

```

const user = json.user;
const message = json.message;
let valid = true;
if(!validateEmail(email)){
    valid = false;
}
const id = '1LH*****6phAOyeb8yEbr7HINS8';
const ss = SpreadsheetApp.openById(id);
const sheet = ss.getSheetByName('Sheet1');
//sheet.appendRow([e.postData.contents]);
if(valid){
    mailer(email,user,message);
    sheet.appendRow([email,user,message,'Message Sent']);
}
sheet.appendRow([email,user,message,valid]);
return ContentService.createTextOutput(JSON.stringify(json));
}
function mailer(email,user,message){
    MailApp.sendEmail({
        to: 'gappscourses@gmail.com',
        subject : 'From Web Form',
        htmlBody: 'From Name : ' + user + '<br>Email ' + email + '<br>Message ' + message
    });
}
function tester(){
    mailer('test','user','message');
}

function validateEmail(email){
    const re = /^[S+@\S+\.\S+]/;
    return re.test(email);
}

```