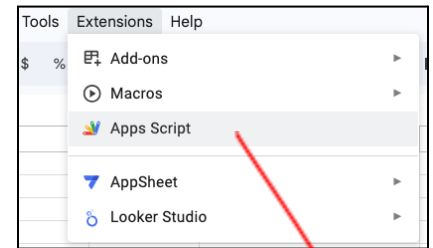


To collect email address for a newsletter you need two things:

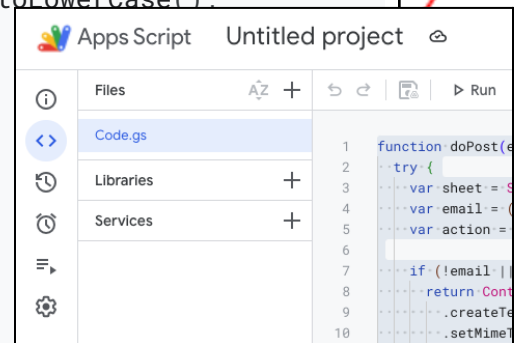
- 1) **Database** to store them: This information is simple enough, we'll use a Google Sheet
- 2) **Form** to collect them: To make it look professional, we'll build this into our website

Step 1: Setup the Database

- 1) Create a blank Google Sheet
- 2) Enter the Apps Script by clicking: "Extensions" > "Apps Script"
 - a) Create a file named "Code.gs" if it doesn't already exist
 - b) Paste the following code:



```
function doPost(e) {
  try {
    var sheet = SpreadsheetApp.getActiveSpreadsheet().getActiveSheet();
    var email = (e.parameter.email || "").trim().toLowerCase();
    var action = (e.parameter.action || "subscribe").toLowerCase();
    if (!email || !email.includes("@")) {
      return ContentService
        .createTextOutput("Invalid email")
        .setMimeType(ContentService.MimeType.TEXT);
    }
    if (action === "subscribe") {
      sheet.appendRow([new Date(), email]);
      return ContentService
        .createTextOutput("Subscribed")
        .setMimeType(ContentService.MimeType.TEXT);
    } else if (action === "unsubscribe") {
      var data = sheet.getDataRange().getValues();
      var found = false;
      for (var i = data.length - 1; i >= 0; i--) {
        if (data[i][1] && data[i][1].toLowerCase() === email) {
          sheet.deleteRow(i + 1); // Account for 0-based index
          found = true;
        }
      }
    }
  }
}
```



```

if (found) {
    return ContentService
        .createTextOutput("Unsubscribed")
        .setMimeType(ContentService.MimeType.TEXT);
} else {
    return ContentService
        .createTextOutput("Email not found")
        .setMimeType(ContentService.MimeType.TEXT);
}
} else {
    return ContentService
        .createTextOutput("Unknown action")
        .setMimeType(ContentService.MimeType.TEXT);
}
} catch (err) {
    return ContentService
        .createTextOutput("Error: " + err.message)
        .setMimeType(ContentService.MimeType.TEXT);
}
}

```

3) Get your Web App URL

- a) Click “Deploy” > “Manage Deployments”
- b) Copy Web App URL into Word Press HTML script (in next step)

The screenshot illustrates the steps to obtain a Web App URL from Google Cloud Platform. It shows the 'Deploy' menu with 'Manage deployments' selected. The 'Manage deployments' panel displays a list of deployments. The selected deployment's configuration is shown, including the 'Web app' section where the 'URL' is displayed and a 'Copy' button is highlighted.

Step 2: Create Form in Website

- 1) In the HTML of our website, create the template of our form

```
<div class="signup-form">
  <form id="frm-signup" method="POST">
    <input id="txt-signup" type="text" name="email" placeholder="Your email" required>
    <input type="hidden" name="action" id="frm-action" value="subscribe">
    <div>
      <button id="btn-signup" type="submit">Subscribe</button>
      <button id="btn-unsubscribe" type="button">Unsubscribe</button>
    </div>
  </form>
</div>
```

- 2) Then add the following script to create the interactivity:
 - a) Replace <<Web App URL>> with the URL copied from the last step

```
<script>
  document.addEventListener('DOMContentLoaded', function () {
    const form = document.getElementById('frm-signup');
    const emailInput = document.getElementById('txt-signup');
    const actionInput = document.getElementById('frm-action');
    const scriptURL = <<Web App URL>>;

    function submitForm() {
      const formData = new FormData(form);
      fetch(scriptURL, {
        method: 'POST',
        body: formData
      })
      .then(response => response.text())
      .then(text => {
        alert(text);
        emailInput.value = "";
      })
      .catch(error => {
        console.error("Error!", error.message);
        alert("Something went wrong. Please try again.");
      });
    }
  });
}
```

```
form.addEventListener('submit', function (e) {  
    e.preventDefault();  
    actionInput.value = 'subscribe';  
    submitForm();  
});  
  
document.getElementById('btn-unsubscribe').addEventListener('click', function () {  
    actionInput.value = 'unsubscribe';  
    submitForm();  
});  
});  
</script>
```

3) Add CSS to style to your preference.

Here is what it looks like on my site (<https://bjhufstetler.com>):

Stay Informed

Sign up for news about BJ Hufstetler and updates on Kepler's Saga.

Note: I will only send out emails when there is an update to a story here (~once every week or so). You can unsubscribe at any time. I will never give your email address away for any reason.