Google Developer Student Clubs

Google Apps Script

Automate everything

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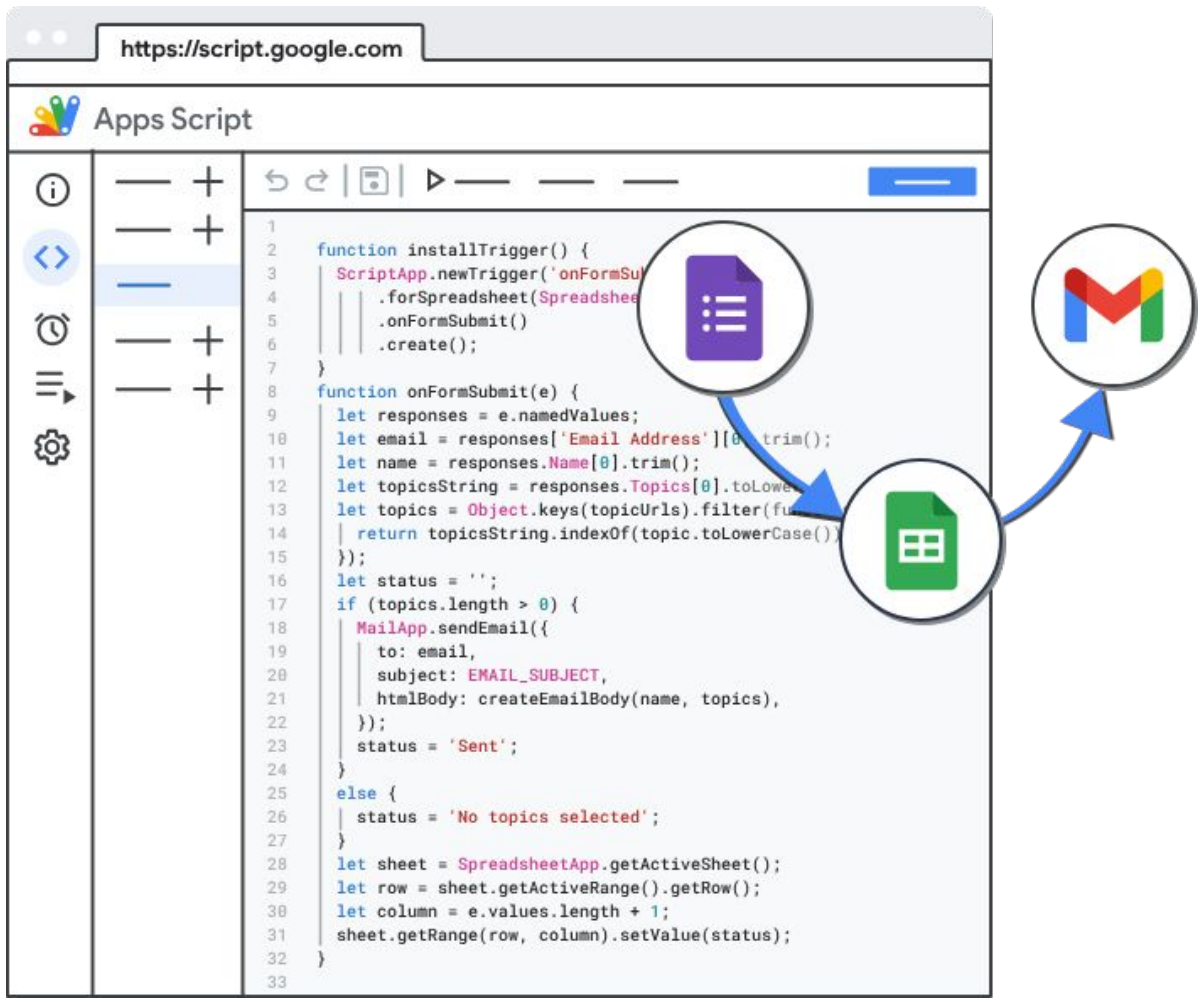
The Big Picture

- Google Apps Script is a platform that lets developers automate their workflow within the google suite
- It works out of the box with most commonly used google apps
- Has a wide range of applications from workflow automation to data collection and Rest API hosting

Some use cases

- Send emails at scheduled times
- Custom processing of form submissions (eg. send emails, parse resumes, auto assign to groups...)
- Custom GUI elements in Google apps
- It is even possible to add GPT to Gmail message writing
- The possibilities are limitless



```
function installTrigger() {
  ScriptApp.newTrigger('onFormSu
      .forSpreadsheet(Spreadshee
      .onFormSubmit()
      .create();
}
function onFormSubmit(e) {
  let responses = e.namedValues;
  let email = responses['Email Address'][0 trim();
  let name = responses.Name[0].trim();
  let topicsString = responses.Topics[0].toLowe
  let topics = Object.keys(topicUrls).filter(fu
    return topicsString.indexOf(topic.toLowerCase()
  });
  let status = '';
  if (topics.length > 0) {
    MailApp.sendEmail({
      to: email,
      subject: EMAIL_SUBJECT,
      htmlBody: createEmailBody(name, topics),
    });
    status = 'Sent';
  }
  else {
    status = 'No topics selected';
  }
  let sheet = SpreadsheetApp.getActiveSheet();
  let row = sheet.getActiveRange().getRow();
  let column = e.values.length + 1;
  sheet.getRange(row, column).setValue(status);
}
```

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Today's activity

`Custom Google Sheets data processing`

- Open the Google Sheet template
- Make a copy of the sheet so you can follow along
- If you ever require additional reference refer to the Apps Script docs