To set up email reporting with Gmail in your GitHub Actions workflow, you need to use an action like dawidd6/action-send-mail and configure it with Gmail's SMTP settings. Here's how to do it:

**Steps for Setting up Email Report with Gmail:**

1. **Enable "Less Secure Apps" or App Passwords in Gmail**  
   Google now requires App Passwords for third-party applications instead of allowing "less secure apps." Follow these steps:
   * Go to your Google Account Security Settings.
   * Enable **2-Step Verification** (if not already enabled).
   * Generate an **App Password** specifically for this action:
     + Go to **Security > App Passwords**.
     + Select "Mail" and "Other" as the app, and generate a password.
     + Save the generated password; you'll use it as your SMTP password.
2. **Update GitHub Secrets**  
   Add the following secrets to your GitHub repository:
   * EMAIL\_USERNAME: Your Gmail address (e.g., your-email@gmail.com).
   * EMAIL\_PASSWORD: Your Gmail App Password generated in step 1.
3. **Update Your Workflow YAML File**  
   Here’s an example YAML file to send the test report via Gmail:

A screen shot of a computer

Description automatically generated

**Key Points:**

* **SMTP Details for Gmail:**
  + Server Address: smtp.gmail.com
  + Server Port: 587
  + Requires TLS authentication.
* **App Passwords are Mandatory:** Regular Gmail passwords won’t work due to Google’s security policies.
* **Attachment Path:** Ensure the HTML report is generated in the specified directory (e.g., target/surefire-reports/ExtentReport.html). Adjust the path if needed.

**Input Parameters**

Here’s what each input means:

| **Input Parameter** | **Description** |
| --- | --- |
| server\_address | The SMTP server address (e.g., smtp.gmail.com for Gmail, smtp.office365.com for Outlook). |
| server\_port | The SMTP server port (587 for TLS, 465 for SSL). |
| username | The email address or username to authenticate with the SMTP server. |
| password | The password (or app-specific password) for the email account. |
| from | The sender's email address. |
| to | Recipient(s) email address (comma-separated for multiple recipients). |
| subject | Subject of the email. |
| body | Body content of the email (can include plain text or basic HTML). |
| attachments | Optional. Paths to files to attach to the email (comma-separated for multiple files). |

This setup ensures your Gmail account securely sends the test report to the specified recipients whenever the workflow runs.