

GITHUB

Github as an automation tool

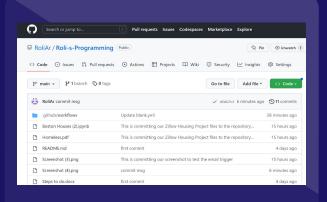
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01 Objective



Create a YAML trigger to notify by email when a change has been made (new push) to our repository

02 GitHub Steps



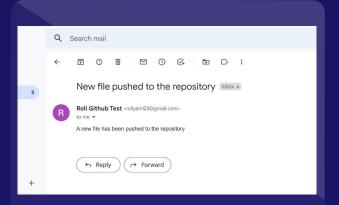
Step 1: Create a github repository

Step 2: Commit all files to the repository

```
23 lines (21 sloc) 716 Bytes
  1 # This is a basic workflow to help you get started with Actions
  3 name: Send mail
  4 # Controls when the workflow will run
  6  # Triggers the workflow on push or pull request events but only for the "main" branch
       email:
          runs-on: ubuntu-latest
          - name: Homeless project
             uses: dawidd6/action-send-mail@v3
               subject: New file pushed to the repository
               body: A new file has been pushed to the repository
               server_address: smtp.gmail.com
              server_port: 465
               username: ${{secrets.MAIL_USERNAME}}}
               password: ${{secrets.MAIL PASSWORD}}
               to: roliyaml23@gmail.com
               from: Roli Github Test
```

Step 3: Create a YAML file and set jobs and triggers using YAML syntax

Step 4: Commit the YAML file to the repository



Step 5: Push a file to test the email trigger

IT WORKED!

Challenge Accepted :)

GOAL

Getting an email notification containing the exact date and time, as well as the outcome of the newly generated prediction for Boston housing prices.

Code

```
def send_email(subject, body):
    sender_email = "daliashagufta@gmail.com"
    receiver_email = "ali.shagufta94@gmail.com"
    password = "awauaffhtrgxzijw"

message = f"Subject: {subject}\n\n{body}"

server = smtplib.SMTP("smtp.gmail.com", 587)
        server.ehlo()
        server.starttls()
        server.login(sender_email, password)
        server.sendmail(sender_email,
        receiver_email, message)
        server.quit()
```

DEMO

8:26 PM



daliashagufta@gmail.com

Code Change Detected

Dear Shagufta,

I hope this email finds you well. I wanted to let you know that there has been a change in the code. Someone ran the code and prediction of house price would be 911735.9894214334.

Please review the code to ensure that everything is running smoothly. If you have any questions or concerns, please don't hesitate to reach out to me.

time detected 2023-02-10 20:26:20

Best regards,

A snippet of the email notification that users will receive each time a new prediction is generated through the code.