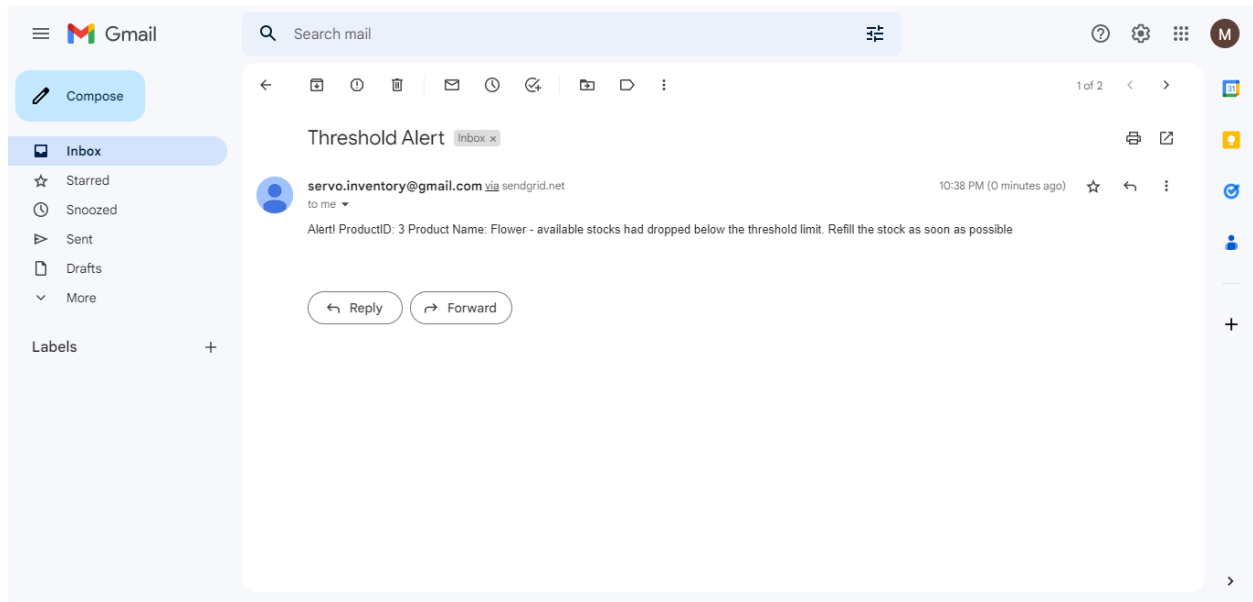


Sprint 3

Team ID	PNT2022TMID03825
Project Name	Inventory Management System For Retailers

Alert Email:



sendGrid.py

```
File Edit Selection View Go Run Terminal Help
sendGrid.py - SPRINT 3 - Visual Studio Code

EXPLORER
  OPEN EDITORS
    sendGrid.py 3
  SPRINT 3
    __pycache__
    static
    templates
    .gitignore
    app.py
    DigiCertGlobalRootCA.crt
    mail.py
    router.py
    run.py
    SENDGRID_API_KEY
    sendGrid.env
    sendGrid.py 3
    sendGrid.pyc

sendGrid.py
1 from sendgrid import SendGridAPIClient, Mail
2 import os
3 from dotenv import load_dotenv
4 import ibm_db
5
6 load_dotenv()
7
8 def mailto(email, subject, content):
9     message = Mail(from_email='sethuran@student.tce.edu', to_emails=email,
10                    subject=subject, html_content='<strong> {} </strong>'.format(content))
11
12     try:
13         sg = SendGridAPIClient(os.getenv('SENDGRID_API_KEY'))
14         response = sg.send(message)
15         print(response.status_code)
16         print(response.body)
17         print(response.headers)
18     except Exception as e:
19         print(e.message)
20
21 def checkstatus(userDB, email, username):
22     sql = "SELECT th_value FROM threshold_value WHERE email='{}'".format(email)
23     stmt = ibm_db.exec_immediate(userDB, sql)
24     res = ibm_db.fetch_assoc(stmt)
25     th_value = res['TH_VALUE']
26     sql = "SELECT * FROM USERPRODUCTS WHERE username='{}'".format(username)
27     stmt = ibm_db.exec_immediate(userDB, sql)
28     res = ibm_db.fetch_assoc(stmt)
29     while res != False:
30         curr_stocks = int(res['AVAILABLESTOCK'])
31         if curr_stocks < th_value:
32             pid = res['PRODUCTID']
33             sql = "SELECT productname FROM PRODUCTS WHERE productid='{}'".format(pid)
34             stmt = ibm_db.exec_immediate(userDB, sql)
35             res = ibm_db.fetch_assoc(stmt)
36             prod_name = res['PRODUCTNAME']
37             prod_id = res['PRODUCTID']
38             mailto(email, "threshold alert", "Alert! ProductID: '{}'- Product Name: '{}'- available stocks had dropped below the
39                    threshold limit. Refill the stock as soon as possible".format(prod_id, prod_name))
```