

Sprint - 4

Date	14 NOV 2022
Team ID	PNT2022TMID26520
Project Name	Inventory Management System for Retailers

Sendgrid integration code :

```
app.py x config.ini sendgrid.env addproducts.html dashboard.html update.html register.html login.html
app.py > sendMail
278 #sending email using sendgrid api
279 def sendMail(API,from_email,to_email,subject,html_content):
280     if API!=None and from_email!=None and len(to_email)>0:
281         message=Mail(from_email,to_email,subject,html_content)
282         try:
283
284             sg = SendGridAPIClient(API)
285             response = sg.send(message)
286             print(response.status_code)
287             print(response.body)
288             print(response.headers)
289         except Exception as e:
290             print(e)
291
292
293
294
```

Console output :

```
35
36 except:
37     settings={}
38
39
40
41 API=settings.get("APIKEY",None)
42 from_email=settings.get("FROM",None)
43 to_email=settings.get("TO","")
44 subject="Stock update"
PROBLEMS OUTPUT TERMINAL JUPYTER DEBUG CONSOLE
C:\Users\rragh\Downloads\IBM-Project-4594-1658735545-main\IBM-Project-4594-1658735545-main\Project Development Phase\Sprint-2\code>python -m flask run
<ibm_db.IBM_DBConnection object at 0x000001EA1576DAB0>
SG.3kmdFgeISNatF5LzFt-QhA.fjgEX_g8E1vKE9mVQlwSwXZRY930P9vvoXkG-1AsuMv8
Access-Control-Allow-Origin: https://sendgrid.api-docs.io
Access-Control-Allow-Methods: POST
Access-Control-Allow-Headers: Authorization, Content-Type, On-behalf-of, x-sg-elas-acl
Access-Control-Max-Age: 600
X-No-CORS-Reason: https://sendgrid.com/docs/Classroom/Basics/API/cors.html
Strict-Transport-Security: max-age=600; includeSubDomains
127.0.0.1 - - [18/Nov/2022 12:55:45] "GET /dashboard HTTP/1.1" 200 -
127.0.0.1 - - [18/Nov/2022 12:55:45] "GET /static/dash.jpg HTTP/1.1" 304 -
[]
```

Sendgrid integration :

The screenshot shows the SendGrid Sender Authentication page. The browser address bar displays `app.sendgrid.com/settings/sender_auth/senders`. A notification at the top states: "Ready to send your first email? Follow our guides for Email API or Marketing Campaigns. [Let's do it!](#)".

The left sidebar contains the following navigation items: Dashboard, Email API, Marketing, Design Library, Stats, Activity, Suppressions, Settings, Account Details, Alert Settings, and API Keys.

The main content area is titled "Sender Authentication / Single Sender Verification". A "Create New Sender" button is located in the top right corner.

SENDERS	ADDRESS	NICKNAME	VERIFIED	ACTIONS
Raghavan FROM: raghavan.v.2019.ece@ritchennai.edu.in REPLY: nitharshan.n.2019.ece@ritchennai.edu.in	Rit Chennai, IND	Raghavan		

Mail Alert Received :

The screenshot shows a Gmail inbox. The left sidebar includes navigation options: Mail (99+), Compose, Chat, Spaces, and Meet. The "Inbox" is selected, showing 3,026 messages.

The email being viewed is titled "Stock update" and is from "raghavan.v.2019.ece@ritchennai.edu.in via sendgrid.net". The subject line is "Stock update". The email content reads: "Your stock needs to be updated". The email was received at "12:57 PM (6 minutes ago)".

Below the email content are buttons for "Reply" and "Forward". The right sidebar shows various app icons and a "rit" logo.