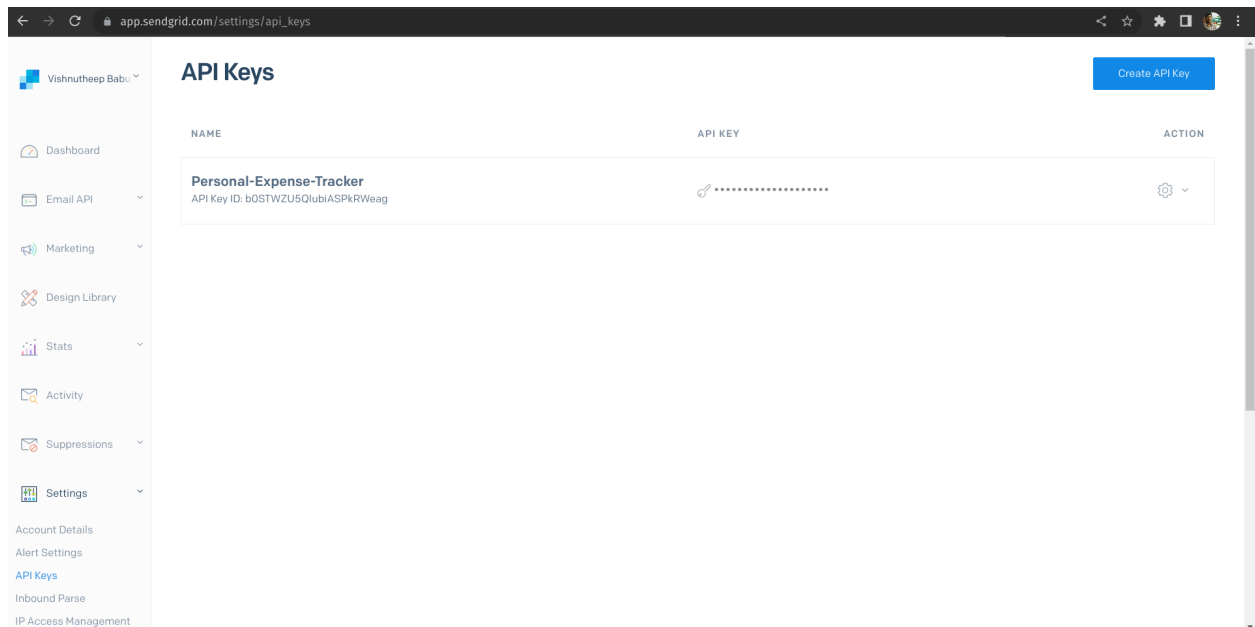


INTEGRATING SENDGRID SERVICE

Team ID	PNT2022TMID35639
Project Name	Personal Expense Tracker Application

SCREENSHOT:



Sender Authentication

Sender Identity

The type of Sender Identity you use to send email can impact your deliverability and what your recipients see in their inbox. [Learn more about the differences](#) between Domain Authentication and Single Sender Verification.

Domain Authentication RECOMMENDED

Improve deliverability by proving to inbox providers that you own the domain you're sending from. [Learn more](#)

Authenticate Your Domain

You (or a coworker) will need access to your DNS host to complete this.

[Get Started](#)

Single Sender Verification

Verify ownership of a single email address to use as a sender. [Learn more](#)

[Verify a Single Sender](#)

STATUS

DOMAIN

✓ Verified

sparklingvishnu@gmail.com



Admin User Details

USERNAME
sparklingvishnu@gmail.com

EMAIL ADDRESS
sparklingvishnu@gmail.com

ACCOUNT IP ADDRESS

Unsubscribe Groups

Use [unsubscribe groups](#) to give your recipients control over the types of emails they want to receive.

Allowing recipients to select from groups of emails they want to receive and opt out from others helps to increase recipient engagement, decrease spam reports, and improve sender reputation.

[Create Your Groups](#)

Help Links

[Setup Guide](#)

[Support](#)

```

440 def mailConfig():
441     SENDGRID_API_KEY= "SG.b0STWZU50IubIASPhRweag.5zgfl1Z_UJ58gk0SKH3JypoC_5s9gCvKfYALxoFMg0"
442     MAIL_DEFAULT_SENDER= "sparklingvishnu@gmail.com"
443
444     app.config['SECRET_KEY'] = 'top-secret!'
445     app.config['MAIL_SERVER'] = 'smtp.sendgrid.net'
446     app.config['MAIL_PORT'] = 587
447     app.config['MAIL_USE_TLS'] = True
448     app.config['MAIL_USERNAME'] = 'apikey'
449     app.config['MAIL_PASSWORD'] = SENDGRID_API_KEY
450     app.config['MAIL_DEFAULT_SENDER'] = MAIL_DEFAULT_SENDER
451
452
453 #Send report via MAIL
454 @app.route('/mail/<report_type>')
455 def sendReportMail(report_type):
456
457     if session.get("id")== None or session.get("username") == None:
458         return redirect('/')
459
460
461     mailConfig()
462     mail = Mail(app)
463
464     sql = 'SELECT EMAIL FROM REGISTER WHERE USER_ID={}'.format(session['id'])
465     df = pd.read_sql(sql,pd_conn)
466     row = df.values.tolist()
467     msg = Message('Personal Expense Tracker', recipients=[row[0][0]])
468     msg.body = report_type + ' Report'
469
470
471     sql = 'SELECT * FROM EXPENSES WHERE USER_ID={} AND MONTH(DATE(DATE)) = MONTH(CURRENT_DATE) ORDER BY DATE DESC, AMOUNT'.format(session['id'])
472     df = pd.read_sql(sql,pd_conn)
473     df.drop(columns=['EXPENSE_ID','USER_ID'],inplace=True)
474
475     rep = generateReport(report_type)
476     del rep['txexpense']
477     df1 = pd.DataFrame(rep)
478     df1.rename(columns={"t_food": "Food", "t_entertainment": "Entertainment","t_business": "Business","t_rent": "Rent","t_EMI": "EMI","t_other": "Other","total
479
480
481     html = """

```