Mailing Services Used

1. SendGrid
   a. Propertyfile : sendgrid.properties
   b. ClassName : SendGridMail.java
   c. Test : TestSendGrid
   d.
2. MailGun
   a. Propertyfile:mailgun.properties.
   b. ClassName : MailGun.java
   c. Test : TestMailGun

JSP

1. Email.Jsp
   a. Accepts user input
2. End.jsp
   a. Displays result
   b. If successful also displays which service used.

Controllers

1. /sendMail -- tied to application
   a. Recives the user input and directs the request towars CallService.sendMail class
   b. Returns the result in Model
2. /sendJsonMail -- Rest POST call
   a. If passed proper JSON object of type EmailDO then directs towards CallService.sendMail class
   b. Returns JSON contained result and type of service
3. /Email
   a. Tied to Email.jsp

FailOver

1. The project says to try failover between two services, we can achieve by following ways
   a. Send "grid" in subject to send mail via SendGrid
      i. If we are currently using MailGun the application changes over its service to SendGrid
   b. Send "gun" in subject to send via MailGun
      i. If we are currently using SendGrid the application changes over its service to MailGun
   c. In case we have more than one services we can implement something close to Observer design Pattern. While maintain a list of Services in an Array

Narendra Bidari : Uber Coding : Email FailOver

ScreenShot.

1. Normal Sending

Mailing Service!

Name: *
Narendra

Email Address: *
narendra.bidari@gmail.com

Subject: *
Hello

Email Message: *
How are you doing?

Current Service is SendGridMail
To Change service / failover add below text in SUBJECT
'gun' for MailGUN 'grid' for SendGrid

Submit

Mailing Service!

Your Submission was Succesful
Sent Via SendGridMail

Back with History

Back

2 . JSON sending

[Unnamed]   Save   Open

http://localhost:8080/sendJsonMail

○ GET ● POST ○ PUT ○ PATCH ○ DELETE ○ HEAD ○ OPTIONS ○ Other

Raw   Form   **Headers**

Raw   Form   Files (0)   **Payload**

Encode payload   Decode payload

{"from":"abc@gmail.com","to":"narendra.bidari@gmail.com","text":"test mail body","subject":"asdfas"}

application/json   ▼ Set "Content-Type" header to overwrite this value.

Clear   Send

Status   200 OK   Loading time: 1290 ms

Request   User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/41.0.2272.101 Safari/537.36
headers   Origin: chrome-extension://hgmloofddffdnphfgcellkdfbfbjeloo
            Content-Type: application/json
            Accept: */*
            Accept-Encoding: gzip, deflate
            Accept-Language: en-US,en;q=0.8
            Cookie: JSESSIONID=2F0AD2DF613FD2E7DA635C21EB330D9E

Response   Server: Apache-Coyote/1.1
headers   X-Application-Context: application:dev
            Content-Type: application/json;charset=UTF-8
            Content-Length: 49
            Date: Mon, 30 Mar 2015 04:15:13 GMT

Raw   JSON   **Response**

Copy to clipboard   Save as file

{
    result: true
    service: "Sent Via SendGridMail"
}

3. JSON Failover from MailGun to SendGrid : change the subject for other switch Over

http://localhost:8080/sendJsonMail

○ GET ● POST ○ PUT ○ PATCH ○ DELETE ○ HEAD ○ OPTIONS ○ Other

Raw **Form** **Headers**

Raw **Form** **Files (0)** **Payload**

Encode payload   Decode payload

{"from":"abc@gmail.com","to":"narendra.bidari@gmail.com","text":"test mail body","subject":"gun : Send via MailGUn only"}

application/json ▼ *Set "Content-Type" header to overwrite this value.*

Clear   Send

Status **200 OK** Loading time: 1657 ms

Request headers
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/41.0.2272.101 Safari/537.36
Origin: chrome-extension://hgmloofddffdnphfgcellkdfbfbjeloo
Content-Type: application/json
Accept: */*
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.8
Cookie: JSESSIONID=2F0AD2DF613FD2E7DA635C21EB330D9E

Response headers
Server: Apache-Coyote/1.1
X-Application-Context: application:dev
Content-Type: application/json;charset=UTF-8
Content-Length: 44
Date: Mon, 30 Mar 2015 04:16:32 GMT

Raw **JSON** **Response**

Copy to clipboard Save as file

```
{
  result: true
  service: "Sent Via MailGun"
}
```