Hello Candidate,

Thank you for applying for the Backend Developer position at GlobalShala. Based on your profile you have been shortlisted for the coding round.

Please read the following instructions carefully.

Guidelines:
You have 7 days to complete the task. No late submissions will be accepted.
Once it is done, upload your work as an attachment and send it to hr@globalshala.com .

Instructions:

Scenario: You have to create an API to send Email using SendGrid/MailChimp service provider(create your own account).

Constraints:

- Build the project using TypeScript with NodeJS and Express.
- It should be written in a single file only(as a service)

Features:

- It should be able to send emails to multiple receivers.
- HTML beautifications like image, pagaraph, bold statements must be allowed as part of the email body.
- API should be able to handle BCC, CC, To, attachments(pdf,image) as optionals.
- API should be able to handle duplicate emails by sending email only once to a single user.

- Refer the sample input/payload/body below:

```
{

userData:[{ email:"EMAIL",name:"NAME", status:"Pass", type:"bcc"}
{ email:"EMAIL2",name:"NAME2", status:"Fail", type:"to"}],

emailMessage:"Hi  {name}, <b>Your result is {status}.</b>",

attachments: [{filename: 'Logo.png',

                path: __dirname +'/folder/Logo.png' }]
}
```

- In the above example "name" and "status" can be anything like "class", "gender" etc, in both userData as well as emailMessage.

- The response of the API should be in the below format:

```
{
        status:200,

        message:"Suitable Message",

        data:{

                success:[List of Successful emails],

                failure:[List of Failed emails],

        }

}
```

Result: Once the code is built and tested successfully, you need to host it on Heroku.

Send the following details once the task is completed via email:
◦   Zip the code and attach it in the email(you need to rename .ts to .txt in case if its blocked).

◦   List the end point/API with sample payload and response(PASTE the output DON'T attach screenshot).

◦   DON'T shutdown the Heroku service until results are out.

Please reach out to us via email at hr@globalshala.com in case you have any doubts. Best of Luck!