Flipr Hackathon 9.0

Full Stack Web Development Task

Theme: Corporate Mailing

Problem Statement

Intent:

You are expected to build a full stack web application where users can login and send recurring mails to the recipients. You can take reference from the following link below:

Reference Link :- https://mailchimp.com/

Your application is expected to have certain features which are listed down below:
- **Login and signup via**
    - Username - password
    - Gmail Sync (Login with Gmail option)
- **Create/Edit the mail features.** (further explained below)
- **Home page** (has the list of all the mails scheduled for future)
- **History Page** (has the list of mails sent till now)

Note -

1. **The general mail features should be included like**
    - To
    - CC
    - Subject
    - Schedule Selector (further explained below)
    - Mail Body
    - Send Mail Button
2. **The following scheduling features should be implemented.**
    - **Recurring schedule -** Mail should be automatically sent to the recipient after every 20 or 30 second
    - **Weekly schedule -** Mail should be automatically sent to the recipient on any particular day and time of every week
    - **Monthly schedule -** Mail should be automatically sent to the recipient on any particular date and time of every month
    - **Yearly schedule -** Mail should be automatically sent to the recipient on any particular date and time every year
3. **You can include text editing features as well which will attract extra points.This may include:**
    - Making the text bold or italic
    - Changing the colour of the text
    - Changing the font type of the text
4. **You are expected to develop an application specifically using MERN stack.**

Deployment :

1) Upload the code on any version control like github, gitlab, bitbucket
2) Deploy the frontend and backend code on any cloud platform like AWS, Microsoft Azure, Google Cloud, Heroku or any other platform.
3) For databases, kindly use a **free tier sandbox on MongoDB Atlas** only.

Instructions :

1. All candidates are expected to submit the code on or **before 10:00 PM, 27th June 2021**.
2. Upload the code in any version control like Git, Bitbucket, etc (do not mention flipr in the repo name or inside the code. This is to avoid code duplicacy.)
3. Please provide GitHub, GitLab, or bitbucket repo URL for your assignment.
4. Add the instructions in your readme.md file to build and run the app.
5. Share all the files and links in this google form also make sure to make these files publicly available, any file that fails to open due to not being shared via a public link will not be considered as part of submission - Link to Form
6. You can refer to the Internet and Books but whatever you code you must understand because if you are going to be shortlisted for an interview then you must be able to explain to the company officials about your code.
7. For any queries regarding the project, you can mail at devops@flipr.ai