Hello there. My name is Vidya Sagar. I live in a city named Visakhapatnam which is in India.

As for my final project of cs50,

I have created a web app using flask and html and a database, which can be run locally on user’s machine, and allows its users to create an email template and then use it to generate a drafted outlook email.

This is helpful for people who are to send same email multiple times periodically with small change in details. Instead of typing the same email every time, they can just use a template they created, change a few details and send the email.

Here, let me walkthrough my app.

When you double click this executable file, it will start a local server. Use this address to open the web app in your browser.

Home page is designed to list out all the email templates that user creates. Users can select one of them based on his/her need and move on to create a draft email.

Initially as there are no templates created, user is presented with a button to go to template creation page. Alternatively, user can anytime create a template using create template link in menu.

For example, let’s create an email template that says hello to a particular person from a particular company, which can generate an email draft like this.

When we are in template creation page, the first information that user is asked for is variable names. These are the names or values which users have to change or insert in email body but they change every time an email is drafted.

In our example here, user has to change the name of the person and company name every time the email is drafted. So these two are the variables here. SO we write there two as variables separated by comma.name, company\_name. Here spaces are taken care in code. So don’t worry about leaving space after comma.

In the next box, we need to write the subject of the email. In our example, the subject is greetings to a person name. If the user needs to use a variable here, which tends to change every time you draft, you need to enclose it in single quotations. So here we write, Greetings to 'name'. Here name is a variable so it is enclosed in between single quotations.

In the next box, we enter the body of email. Here also, variable names are enclosed in between single quotations. As for our example, it will be, Hello 'name' from 'company\_name'

Welcome to our group

blah blah blah

.........

The next text box will let you enter the email signature. Here also the rules for enclosing variable names, if any, in single quotations. For our example, it will be. Regards,

Xxxxxx

In the next box, user should enter the email address of the person to whom mail shall be sent. This is particularly use full if the user have to send the same email to the same person every day. For our example, user always sends email to [always@email.com](mailto:always@email.com).

In the next box, email address to which carbon copies (cc) of email has to be sent always. Email addresses are to be separated by semi columns

For our example let’s say user have to send cc to 3 person with ids. [cc1@email.com;cc2@email.com;cc3@email.com](mailto:cc1@email.com;cc2@email.com;cc3@email.com)

And you can leave it blank any of these boxes except for the body of the email

Kindly note that if you enter an id in invalid format, it will be automatically discarded.

And now we press create to create the template.

Now you are redirected to homepage and you can see that your template appears here.

To use this template, select the radio button to the left and press send email button

Here you will be presented with a table showing all the values. You can enter the variable values here and change other things if needed.

For our example, we enter name as John Doe and company as digital\_alphabets\_inc.

Now press preview button to preview your email.

As you can see here, that the variable names are replaced by your values. Just press create mail and an outlook window with your drafted email open.

That’s it . That is how you can easily send the same boring mail that you type everyday with minimal effort.

Thank you for your time