ENTRY MANAGEMENT SOFTWARE

By Kunwar Prakhar Singh

http://entryms.herokuapp.com

TOOLS USED:

Flask (A python min-framework)

Python (Databases, routes, sessions, encryption)

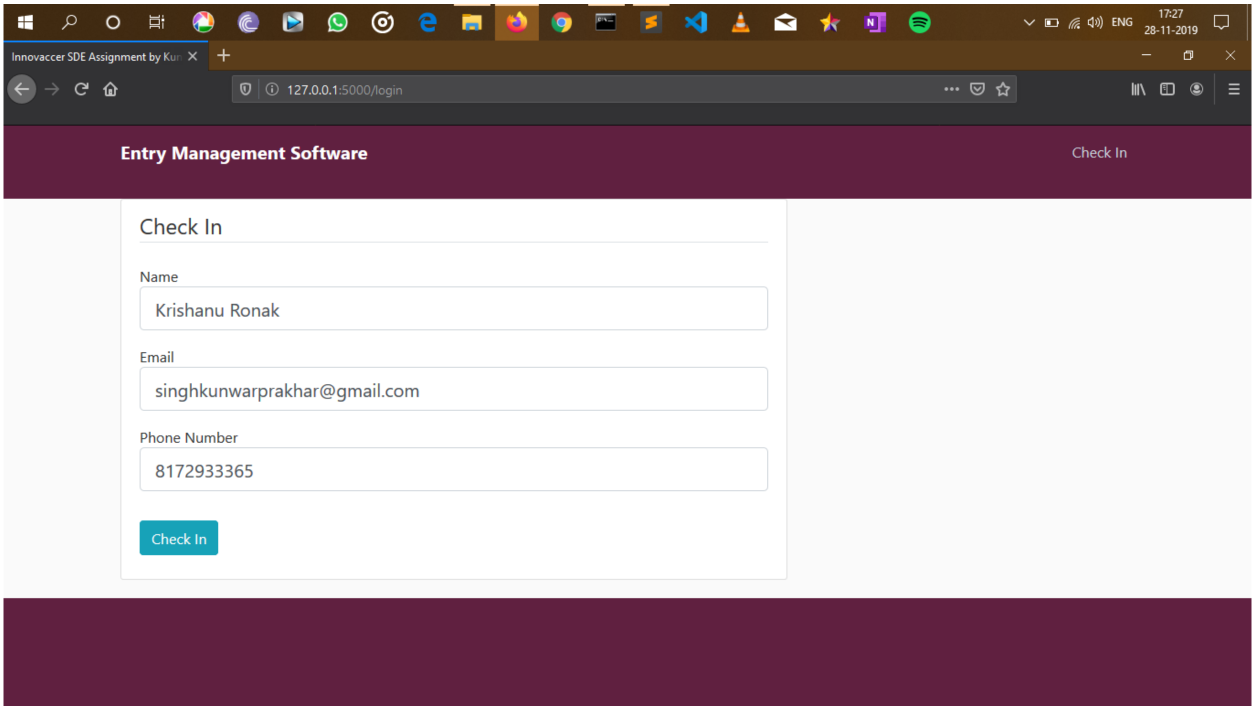
SQLite (Database)

HTML (Layout)

CSS (Styling)

Jinja 2 (To wrap the HTML and CSS around python functions)

WORKING



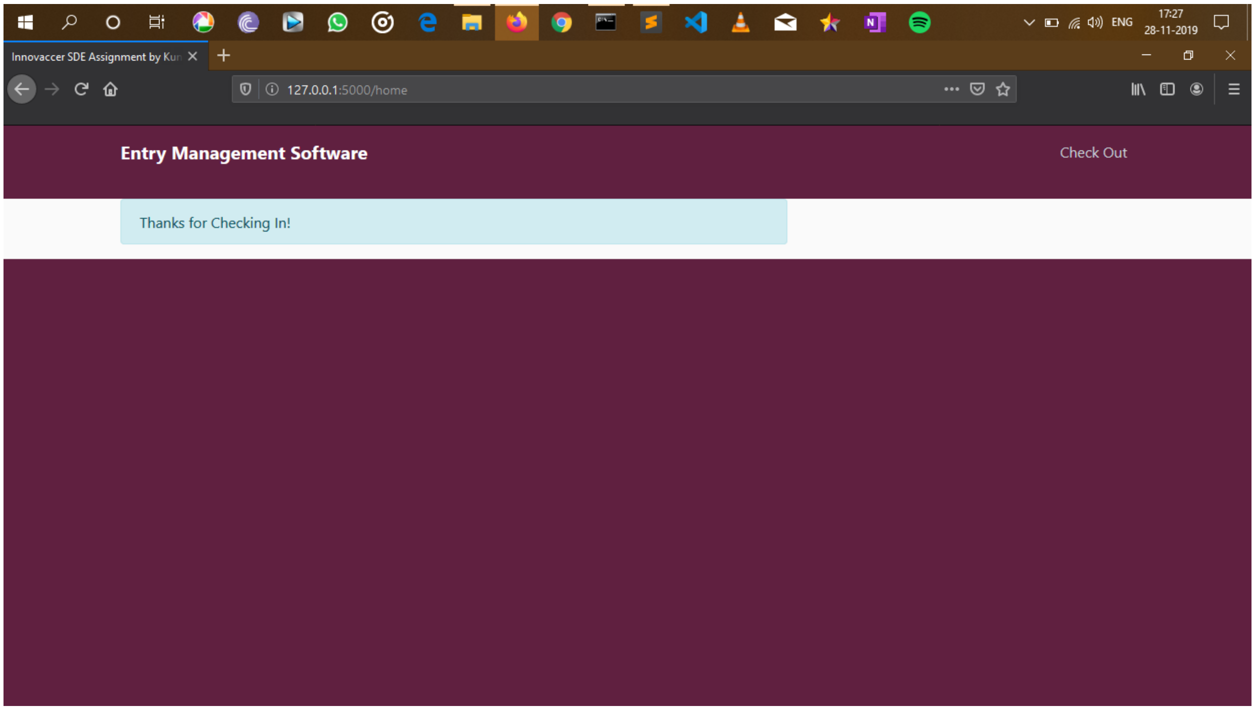
Check In

Name: Krishanu Ronak

Email: singhkunwarprakhar@gmail.com

Phone Number: 8172933365

On Home Page, once the user clicks on ‘Check In’ button on the top right corner, he is directed to this check in page. And as soon as he fills in his details and clicks on the blue ‘Check In’ button, he enters into his activity session and gets directed to the next window.

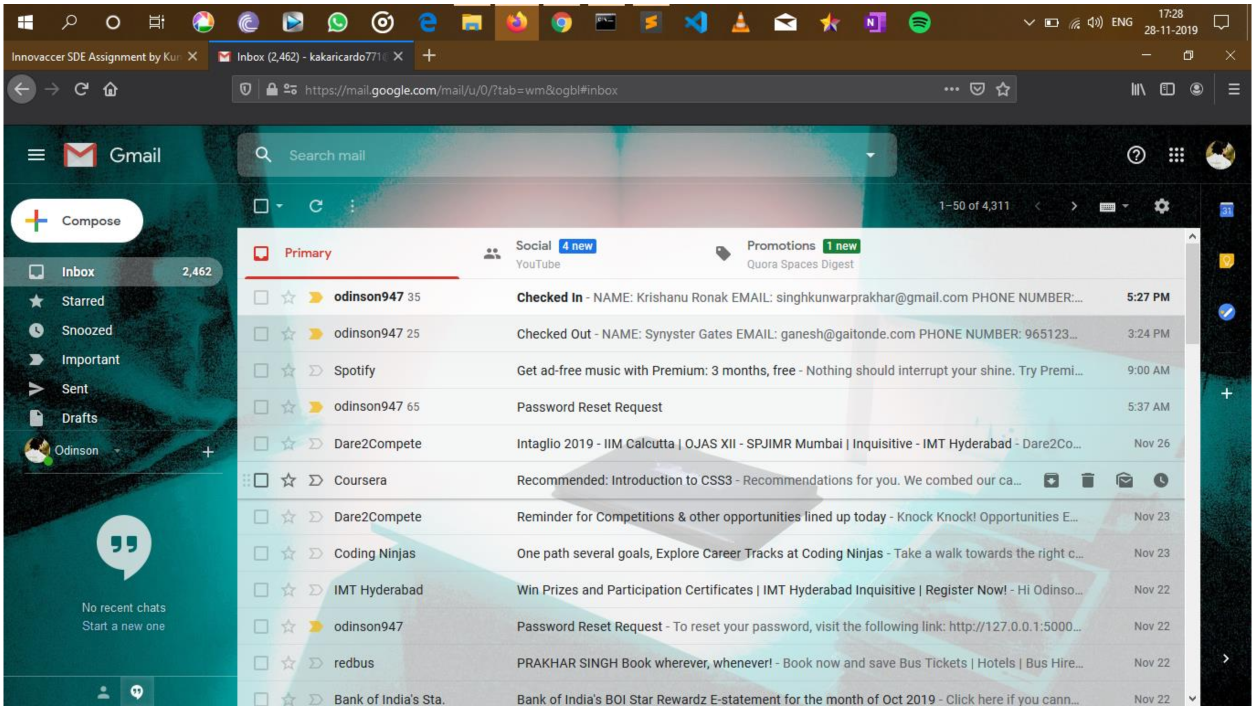


Entry Management Software

Check Out

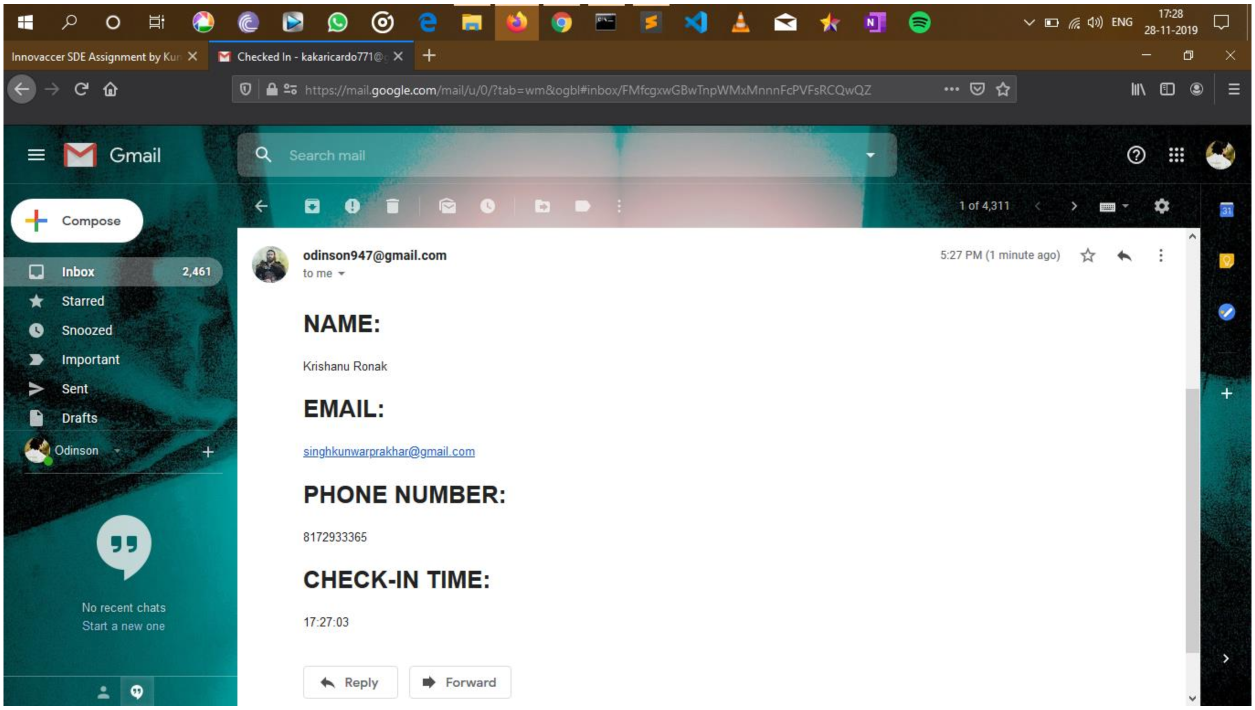
Thanks for Checking In!

A prompt telling the user of his check in success. Simultaneously an email has already been sent to the HOST



odinson947 35	Checked In - NAME: Krishanu Ronak EMAIL: singhkunwarprakhar@gmail.com PHONE NUMBER:...	5:27 PM
odinson947 25	Checked Out - NAME: Synyster Gates EMAIL: ganesh@gaitonde.com PHONE NUMBER: 965123...	3:24 PM
Spotify	Get ad-free music with Premium: 3 months, free - Nothing should interrupt your shine. Try Premi...	9:00 AM
odinson947 65	Password Reset Request	5:37 AM
Dare2Compete	Intaglio 2019 - IIM Calcutta | OJAS XII - SPJIMR Mumbai | Inquisitive - IMT Hyderabad - Dare2Co...	Nov 26
Coursera	Recommended: Introduction to CSS3 - Recommendations for you. We combed our ca...	
Dare2Compete	Reminder for Competitions & other opportunities lined up today - Knock Knock! Opportunities E...	Nov 23
Coding Ninjas	One path several goals, Explore Career Tracks at Coding Ninjas - Take a walk towards the right c...	Nov 23
IMT Hyderabad	Win Prizes and Participation Certificates | IMT Hyderabad Inquisitive | Register Now! - Hi Odinso...	Nov 22
odinson947	Password Reset Request - To reset your password, visit the following link: http://127.0.0.1:5000...	Nov 22
redbus	PRAKHAR SINGH Book wherever, whenever! - Book now and save Bus Tickets | Hotels | Bus Hire...	Nov 22
Bank of India's Sta.	Bank of India's BOI Star Rewardz E-statement for the month of Oct 2019 - Click here if you cann...	Nov 22

containing the visitor’s details.


Innovaccer SDE Assignment by Kur
Checked In - kakaricardo771@
https://mail.google.com/mail/u/0/?tab=wm&ogbl#inbox/FMfcgxwGBwTnpWMxMnnnFcPVFsRCQwQZ
17:28
28-11-2019
ENG
Gmail
Search mail
Compose
Inbox 2,461
Starred
Snoozed
Important
Sent
Drafts
Odinson
No recent chats
Start a new one
1 of 4,311
Reply
Forward

odinson947@gmail.com
to me
5:27 PM (1 minute ago)

NAME:

Krishanu Ronak

EMAIL:

singhkunwarprakhar@gmail.com

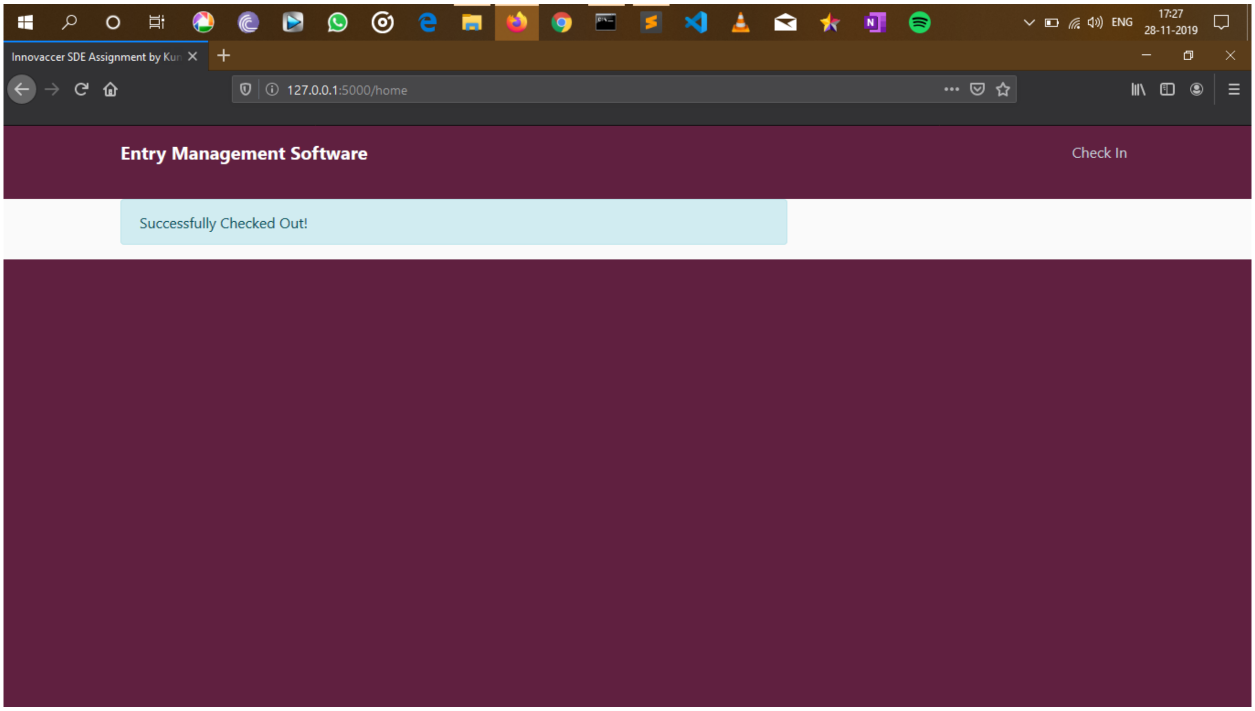
PHONE NUMBER:

8172933365

CHECK-IN TIME:

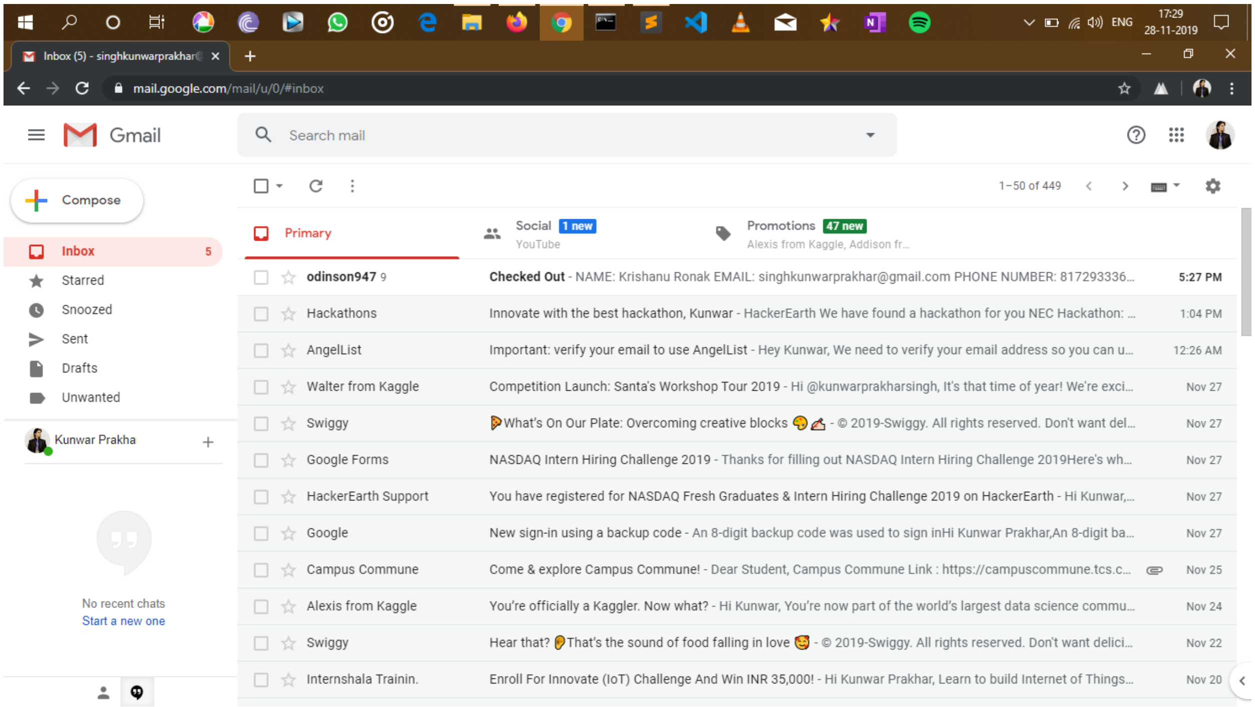
17:27:03

Once the user’s visit is over and he wants to check out, he can click on the ‘check out’ button and get checked out.



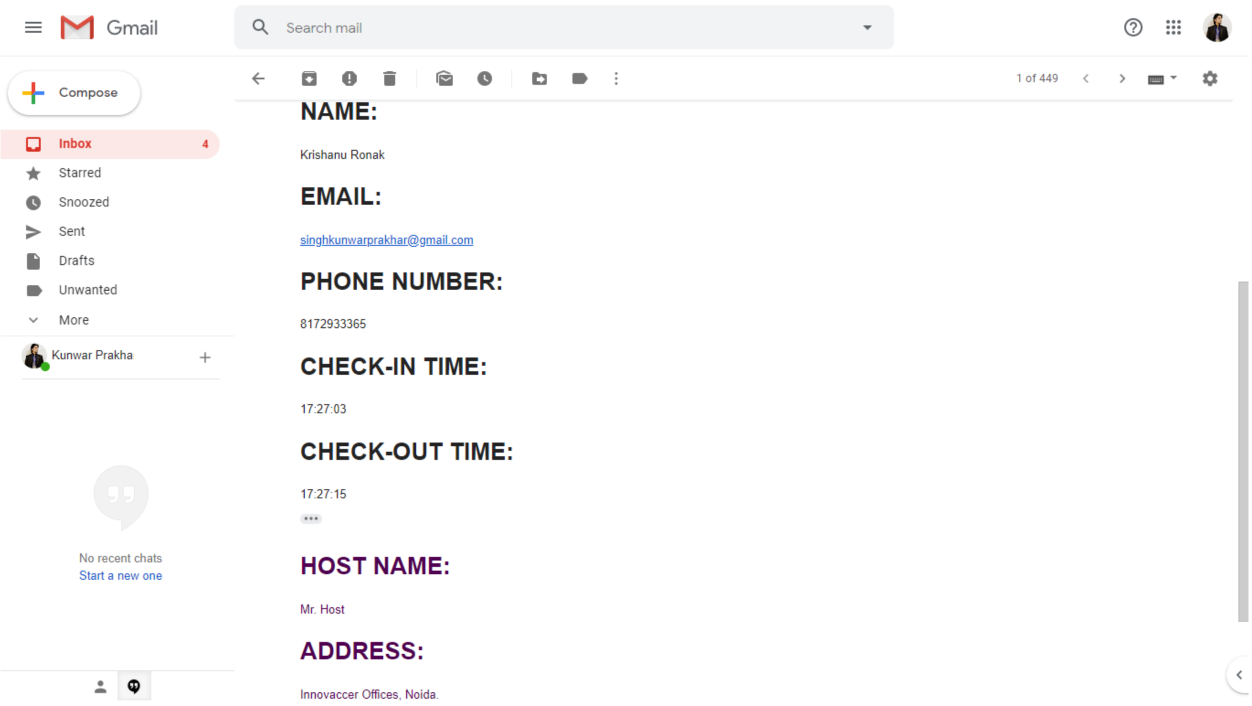
Successfully Checked Out!

Pressing the check out button will trigger an email to the visitor himself….



odinson947 9	**Checked Out** - NAME: Krishanu Ronak EMAIL: singhkunwarprakhar@gmail.com PHONE NUMBER: 817293336...	5:27 PM
Hackathons	Innovate with the best hackathon, Kunwar - HackerEarth We have found a hackathon for you NEC Hackathon: ...	1:04 PM
AngelList	Important: verify your email to use AngelList - Hey Kunwar, We need to verify your email address so you can u...	12:26 AM
Walter from Kaggle	Competition Launch: Santa's Workshop Tour 2019 - Hi @kunwarprakharsingh, It's that time of year! We're exci...	Nov 27
Swiggy	🍕What's On Our Plate: Overcoming creative blocks 😵🍝 - © 2019-Swiggy. All rights reserved. Don't want del...	Nov 27
Google Forms	NASDAQ Intern Hiring Challenge 2019 - Thanks for filling out NASDAQ Intern Hiring Challenge 2019Here's wh...	Nov 27
HackerEarth Support	You have registered for NASDAQ Fresh Graduates & Intern Hiring Challenge 2019 on HackerEarth - Hi Kunwar,...	Nov 27
Google	New sign-in using a backup code - An 8-digit backup code was used to sign inHi Kunwar Prakhar,An 8-digit ba...	Nov 27
Campus Commune	Come & explore Campus Commune! - Dear Student, Campus Commune Link : https://campuscommune.tcs.c...	Nov 25
Alexis from Kaggle	You're officially a Kaggler. Now what? - Hi Kunwar, You're now part of the world's largest data science commu...	Nov 24
Swiggy	Hear that? 👂That's the sound of food falling in love 😍 - © 2019-Swiggy. All rights reserved. Don't want delici...	Nov 22
Internshala Trainin.	Enroll For Innovate (IoT) Challenge And Win INR 35,000! - Hi Kunwar Prakhar, Learn to build Internet of Things...	Nov 20

Containing his session details



NAME:

Krishanu Ronak

EMAIL:

singhkunwarprakhar@gmail.com

PHONE NUMBER:

8172933365

CHECK-IN TIME:

17:27:03

CHECK-OUT TIME:

17:27:15

HOST NAME:

Mr. Host

ADDRESS:

Innovaccer Offices, Noida.

IMPORTANT

I made this application, as an assignment for the Innovaccer SummerGeeks Internship program, within 24 hours from scratch as I received the email about this programme on 27th November with deadline on 28th November. It was an overnight hackathon for me.

Had I received the knowledge about this on 18th November when the registration began, this application could have been much better manyfold with other features like SMS notification and simultaneous user sessions. I did my best within the time that I had.

How to run:

Visit http://entryms.herokuapp.com

OR

Download it from my github repository.

Open EntryMS.

Open the command prompt or terminal in EntryMS directory.

Run ‘python run.py’

Copy the localhost address ‘http://127.0.0.1:5000/’

And open it in your browser

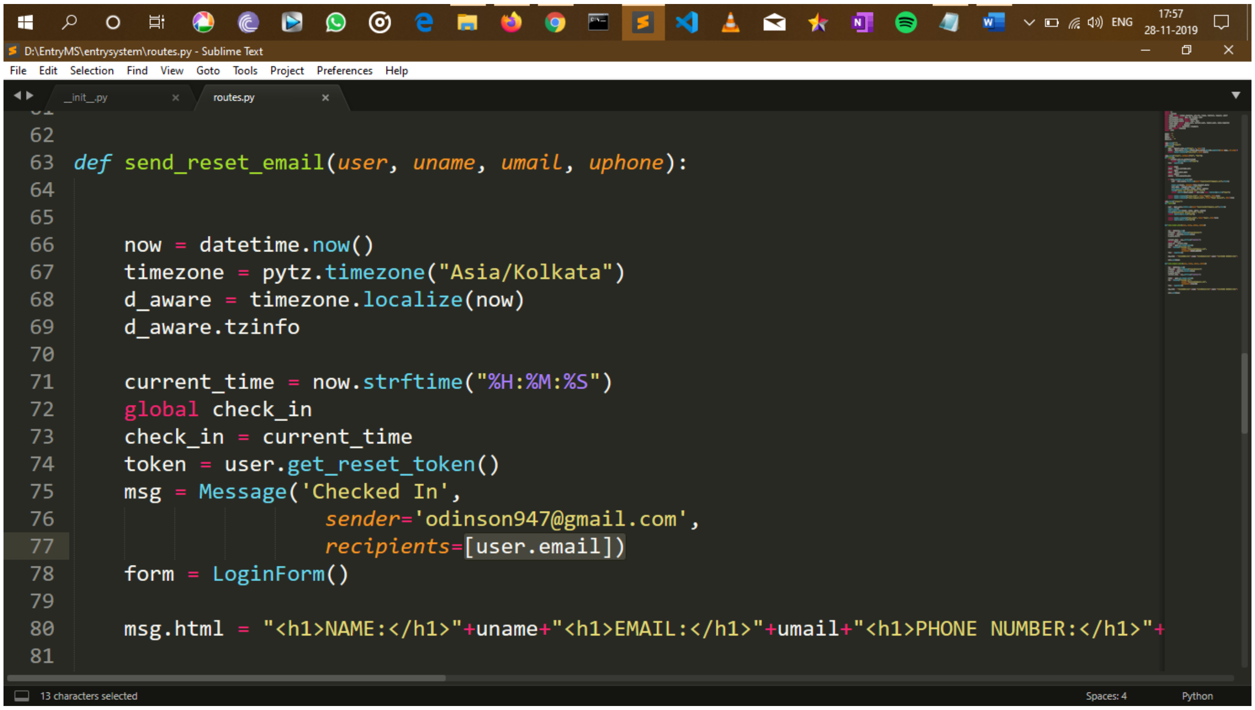
Requirements:

Python Installed

Environment Variable for python command set(to run from the Command Prompt)

To set the HOST Email address.

Go to entrysystem\routes.py.Scroll to ‘send_reset_email()’ function on line 63


D:\EntryMS\entrysystem\routes.py - Sublime Text
File Edit Selection Find View Goto Tools Project Preferences Help
__init__.py
routes.py
ENG
17:57
28-11-2019
13 characters selected
Spaces: 4
Python

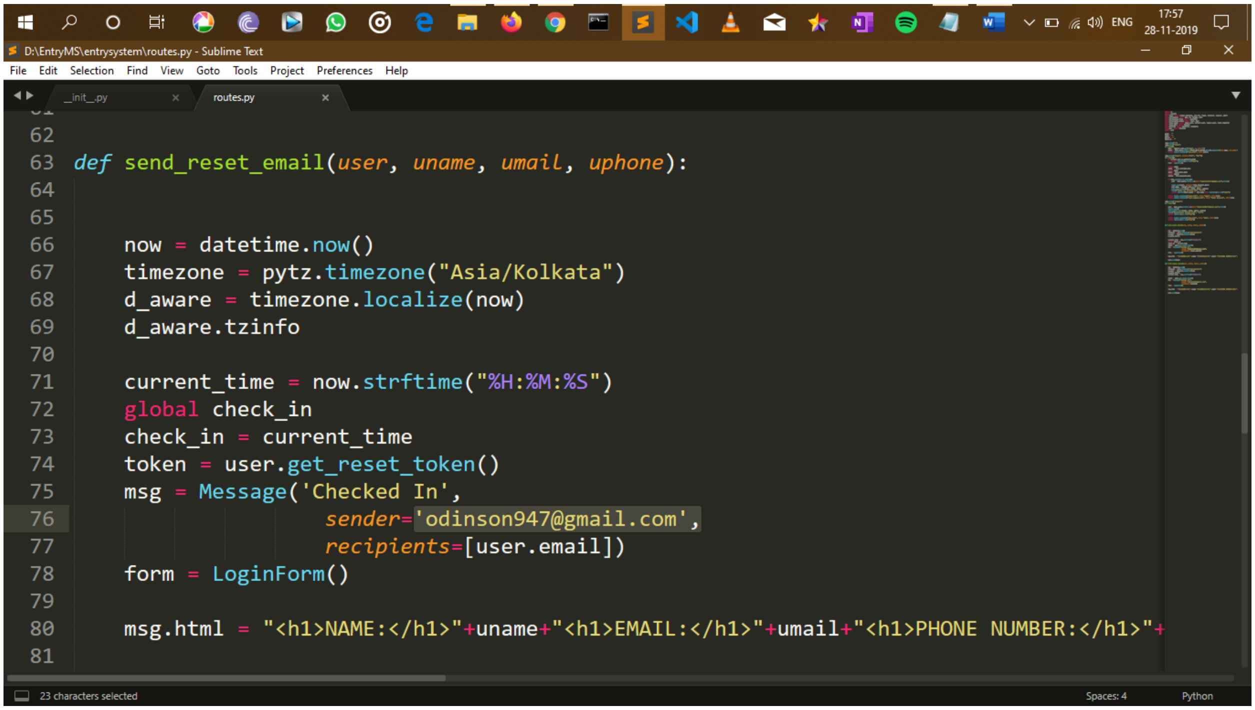
```
62
63 def send_reset_email(user, uname, umail, uphone):
64
65
66     now = datetime.now()
67     timezone = pytz.timezone("Asia/Kolkata")
68     d_aware = timezone.localize(now)
69     d_aware.tzinfo
70
71     current_time = now.strftime("%H:%M:%S")
72     global check_in
73     check_in = current_time
74     token = user.get_reset_token()
75     msg = Message('Checked In',
76                 sender='odinson947@gmail.com',
77                 recipients=[user.email])
78     form = LoginForm()
79
80     msg.html = "<h1>NAME:</h1>"+uname+"<h1>EMAIL:</h1>"+umail+"<h1>PHONE NUMBER:</h1>"+
81
```

And reset the recipients argument

recipients = ‘sample@mail.com’

TO SET THE account from which mails are sent

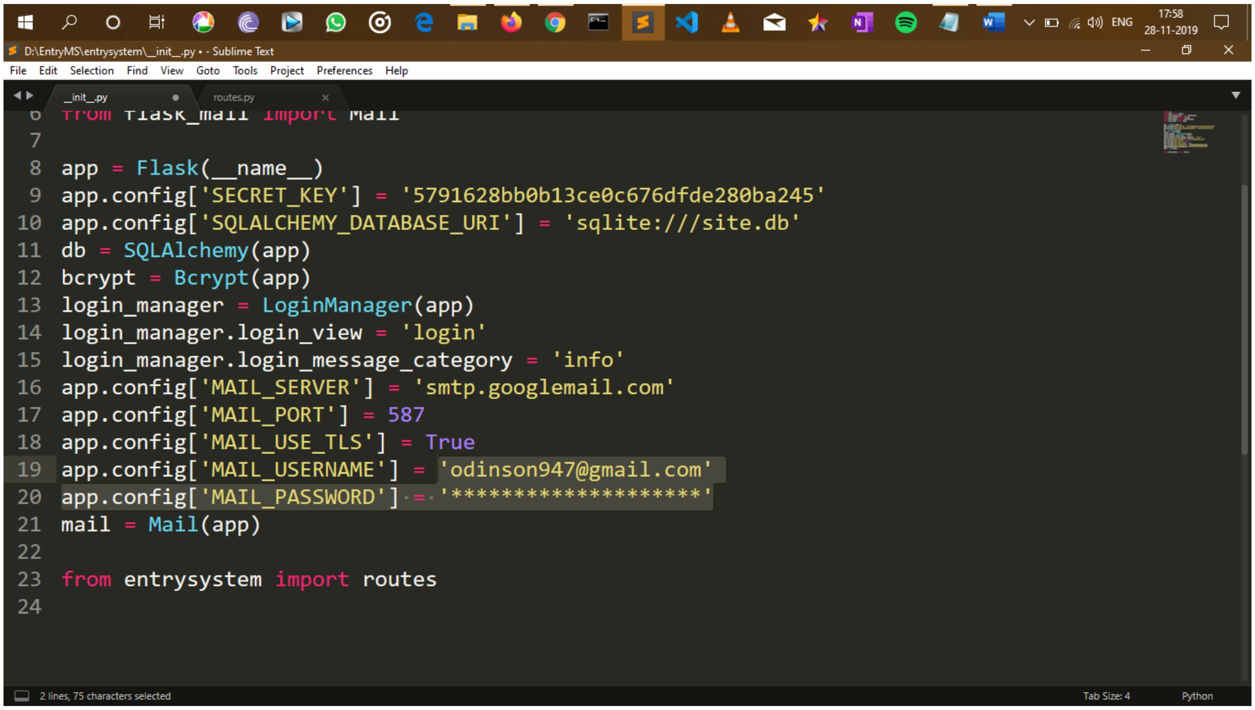
Go to entrysystem\__init__.py


17:57
28-11-2019
ENG
D:\EntryMS\entrysystem\routes.py - Sublime Text
File Edit Selection Find View Goto Tools Project Preferences Help
__init__.py
routes.py
23 characters selected
Spaces: 4
Python

```
def send_reset_email(user, uname, umail, uphone):


    now = datetime.now()
    timezone = pytz.timezone("Asia/Kolkata")
    d_aware = timezone.localize(now)
    d_aware.tzinfo

    current_time = now.strftime("%H:%M:%S")
    global check_in
    check_in = current_time
    token = user.get_reset_token()
    msg = Message('Checked In',
                    sender='odinson947@gmail.com',
                    recipients=[user.email])
    form = LoginForm()

    msg.html = "<h1>NAME:</h1>"+uname+"<h1>EMAIL:</h1>"+umail+"<h1>PHONE NUMBER:</h1>"+
```

And reset sender to ‘sample@mail.com’

Then go back to routes.py


D:\EntryMS\entrysystem\__init__.py • - Sublime Text
File Edit Selection Find View Goto Tools Project Preferences Help
__init__.py
routes.py
17:58
28-11-2019
ENG
2 lines, 75 characters selected
Tab Size: 4
Python

```
from flask_mail import Mail

app = Flask(__name__)
app.config['SECRET_KEY'] = '5791628bb0b13ce0c676dfde280ba245'
app.config['SQLALCHEMY_DATABASE_URI'] = 'sqlite:///site.db'
db = SQLAlchemy(app)
bcrypt = Bcrypt(app)
login_manager = LoginManager(app)
login_manager.login_view = 'login'
login_manager.login_message_category = 'info'
app.config['MAIL_SERVER'] = 'smtp.googlemail.com'
app.config['MAIL_PORT'] = 587
app.config['MAIL_USE_TLS'] = True
app.config['MAIL_USERNAME'] = 'odinson947@gmail.com'
app.config['MAIL_PASSWORD'] = '********************'
mail = Mail(app)

from entrysystem import routes
```

And in ‘MAIL_USERNAME’ set the same mail address that you just put in routes.py

And in ‘MAIL_PASSWORD’ set the password of that mail.

Also go to https://myaccount.google.com/u/2/lesssecureapps

And change “Allow less secure apps:” to ON

Or else google will not let you send email from the above email.