Kendriya Vidyalaya,Berhampur

Computer Science Project
(2020-21)

ShipIt

Want best prices for your shipment?
Just ShipIt!

Developed By:
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ACKNOWLEDGEMENT

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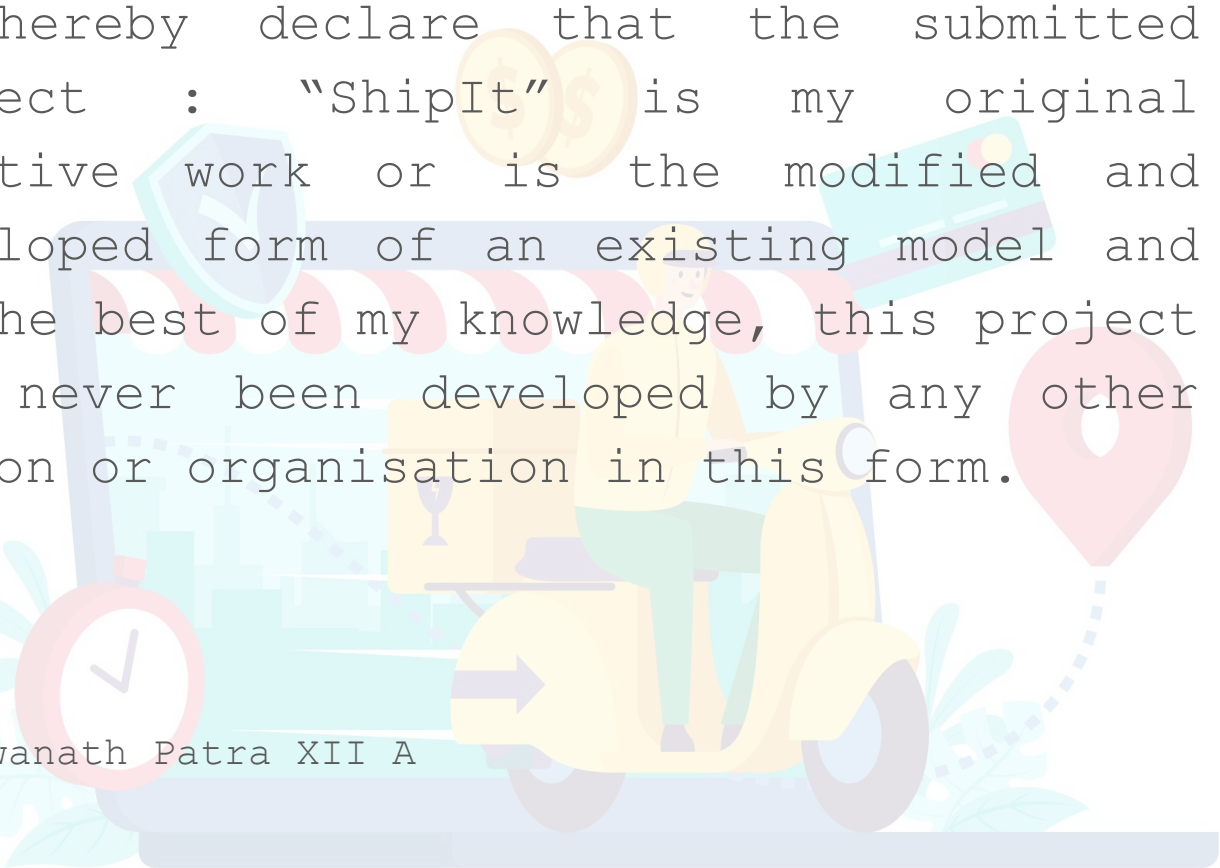
I thank **Smt. Sumanpreet Kaur** for her guidance and help in completion of this project. I also acknowledge the support provided by our principal **Shri Bighneswar Patnaik** and all the other **Students of Class XII - "A"** of the Vidyalaya who helped in the completion of the project in the limited time frame.

CERTIFICATE

I P.Biswanath Patra of Class XII "A", Roll no. _____ , studying Computer Science in Kendriya Vidyalaya, Berhampur do hereby declare that the submitted project : "ShipIt" is my original creative work or is the modified and developed form of an existing model and to the best of my knowledge, this project has never been developed by any other person or organisation in this form.



P.Biswanath Patra XII A
Dev

Smt. Sumanpreet Kaur (PGT CS)
Guide Teacher

Shri. Bighneswar Patnaik Date :
Principal, KV Bam

The IDEA

Recently, many shipping services are available for consumers in the market, with this wide variety, people get confused upon :

- Which Service to choose?
- Which service is Cheapest?
- Which fastest?
- Which service is located nearest to the user ?

Thus, ShipIt as a service tries to find the most suitable shipping service for the Consumer providing him the best value out of the multiple shipping services available to him/her.

This python project is a prototype to such an idea - “ShipIt”.

The Program :

Required Dependencies:

1. os and sys:
   Used for finding the current location of the ShipIt program.
2. random :
   Used to generate random user id and registration id. (Generated Id never repeated.)
3. re :
   Used for regular expression operation to check if email is of valid form or not.
4. json :
   Used to parse and store data in json format used in the project.
5. datetime :
   Used to find date and time during the registration in the program.
6. haversine :
   Used to find distance between two geo locations(latitude and longitude)
7. curses :
   Used to have a better User Interface in the first screen.
8. subprocess :
   Used to call a python program from the main program.

The program is contained in a folder that contains 3 python programs and one data file(json):

- main.py:
  Python file to Start Project
- ShipIt_User_col.py:
  Python file for user side of program.
- ShipIt_Admin_col.py:
  Python file for admin side of project.
- shipdata.json:
  Json file for storing data locally.

Front-end :

The front-end is developed with python with Curses-text-based UI in main.py and normal terminal based UI in ShipIt_User.py and ShipIt_Admin.py.

Database:

Firebase Realtime database is used to store the data online, and a json file is used to store data locally.
json module is used to parse this data and the data retrieval from the internet is done via the request module by interacting with the firebase database using REST api.

The Code

main.py :

```
import curses
import os, subprocess, sys
menu = [ 'Admin', 'Customer', 'Exit']
currentpath =  os.path.dirname(sys.argv[0])
def drawborder(screen):
    y,x = screen.getmaxyx()
    screen.addstr(0,0,"▒")
    screen.addstr(0,x-1,"▒")
    screen.addstr(y-2,0,"▒")
    screen.addstr(y-2,x-1,"▒")
    for i in range(1,x-2):
        screen.addstr(0,i,"▒▒")
        screen.addstr(y-2,i,"▒▒")
    for i in range(1,y-2):
        screen.addstr(i,0,"▒▒")
        screen.addstr(i,x-2,"▒▒")
    screen.refresh()
def print_menu(stdscr, selected_row_idx):
    l = [
        "▒▒▒
```

```
def print_center(stdscr, text):
    stdscr.clear()
    h, w = stdscr.getmaxyx()
    x = w//2 - len(text)//2
    y = h//2
    stdscr.addstr(y, x, text)
    stdscr.refresh()

def start(stdscr) :
    global current_row
    stdscr.bkgd(' ', curses.color_pair(2) | curses.A_BOLD)
    curses.curs_set(0)
    curses.init_pair(1, curses.COLOR_BLACK, curses.COLOR_WHITE)
    curses.init_pair(2, curses.COLOR_WHITE, curses.COLOR_CYAN)
    stdscr = curses.initscr()
    curses.resize_term(20,130)
    current_row = 0
    stdscr.refresh()
    print_menu(stdscr, current_row)
    stdscr.refresh()
    while 1:
        key = stdscr.getch()
        if key == curses.KEY_UP and current_row > 0:
            current_row -= 1
        elif key == curses.KEY_DOWN and current_row < len(menu)-1:
            current_row += 1
        elif key == curses.KEY_ENTER or key in [10, 13]:
            if current_row == len(menu)-1:
                break
            else:
                break
        print_menu(stdscr, current_row)
curses.wrapper(start)
if current_row == 1:
    subprocess.call(["python.exe",  currentpath + "/ShipIt_User_col.py"])
elif current_row == 0:
    subprocess.call(["python.exe",  currentpath + "/ShipIt_Admin_col.py"])
```

ShipIt_User_col.py :

```
#Packages
import json, re, os, haversine , random, requests, sys, subprocess
from datetime import datetime
from termcolor import colored, cprint
os.system('cls')
#Pre-defined data
currentpath =  os.path.dirname(sys.argv[0])
data = {}
filepath = currentpath + "/shipdata.json"
datalink = "https://shipit-pantomaths.firebaseio.com/.json"
regex = "^[a-z0-9]+[\._]?[a-z0-9]+[@]\w+[.]\w{2,3}$"
datalink2 = "https://shipit-log-default-rtdb.firebaseio.com/.json"
#About Us Function
def aboutus():
    cprint("")
    cprint("-="*64,"blue","on_white")
    cprint(" "*60 + "ABOUT US" + " "*60,"blue","on_white")
    cprint("-="*64,"blue","on_white")
    cprint("")
    cprint("Thanks For using our Service, here is our About Us section:","blue")
    cprint("")
    cprint("We are ShipIt!, a service that aims to help you choose the best
shipping service for you.","blue")
    cprint("The Developer:","blue")
    cprint("P.Biswanath Patra","blue")
    cprint("XII - A, Kendriya Vidyalaya, BAM","blue")
    cprint("For social data:","blue")
    cprint("@roshanbiswanath","blue")
    cprint("roshanbiswanathpatra@gmail.com","blue")
#-------------------------------------------------------------------------#
#Online Data Functions Start
def datadownload():
    global data
    r = requests.get(datalink).text
    data = json.loads(r)
def dataupload():
    global data
    requests.patch(datalink,data = json.dumps(data))
#Online Data Functions End
#-------------------------------------------------------------------------#
#Offline Data Functions Start
def getdata():
    global data
    f = open(filepath,"r")
    data = json.load(f)
    f.close()

def updatedata():
    global data
    f = open(filepath,"w")
    f.write(json.dumps(data))
    f.close()
#Offline Data Functions End

#-------------------------------------------------------------------------#
```

```
#Mail Structure Check Function
def checkvalid(email):
    if re.search(regex,email):
        return True
    else:
        return False
#-------------------------------------------------------------------------------#
#Mail in Database Check
def checkmailexist(mail):
    mailexist = False
    for i in data["users"]:
        if mail == i["email"]:
            mailexist = True
            break
        else:
            mailexist = False
    return mailexist
#-------------------------------------------------------------------------------#
#Authentication Function
def checklogin(mail,passw):
    for i in data["users"]:
        if i["email"] == mail and i["pwd"] == passw :
            check = True
            break
        else:
            check = False
    return check
#-------------------------------------------------------------------------------#
#Anonymous Startup Function
def startupano():
    while True:
        datadownload()
        updatedata()
        getdata()
        cprint("-"*128,"blue","on_white")
        cprint("|"+" "*54 +"Welcome to ShipIt!" + " "*54+"|","blue","on_white")
        cprint("-"*128,"blue","on_white")
        cprint("")
        cprint("Hello User","blue")
        cprint("Press 1 to check existing tracks","magenta")
        cprint("Press 2 to find suitable delivery service","magenta")
        cprint("Press 3 to go to main menu","yellow")
        while True:
            try:
                ch26 = int(input())
            except:
                cprint("Invalid Input Provided","yellow")
                cprint("Pleae input values between 1,2 and 3","yellow")
                continue
            if ch26 not in [1,2,3]:
                cprint("Invalid Input Provided","yellow")
                cprint("Pleae input values between 1,2 and 3","yellow")
                continue
            break
        if ch26 == 3:
            cprint("Re-directing to main-menu","cyan")
            break
```

```
        elif ch26 == 1:
            while True:
                cprint("Existing Tracks","blue")
                datadownload()
                updatedata()
                getdata()
                cprint("Enter Tracking Id to check Consignment","magenta")
                while True:
                    try:
                        tid = int(input())
                    except:
                        cprint("Invalid Input provided","yellow")
                        cprint("Please input the 8 digit tracking id provided
while registering.","yellow")
                        continue
                    if len(str(tid)) != 8 :
                        cprint("Invalid Input provided","yellow")
                        cprint("Please input the 8 digit tracking id provided
while registering.","yellow")
                        continue
                    break
                if str(tid) not in data["tracks"]:
                    cprint("Given Tracking ID not found in Database.","yellow")
                    cprint("Press 1 to re-enter Tracking ID","magenta")
                    cprint("Else Going to Previous Screen","cyan")
                    ch27 = input()
                    if ch27 == "1":
                        continue
                    else:
                        cprint("Redirecting to previous screen","cyan")
                        break
                else:
                    cprint("Details of Consignment","magenta")
                    pkg = data["tracks"][str(tid)]
                    cprint("Details of shipment with tracking ID
"+str(tid),"magenta")
                    cprint("Package Weight : "+ str(pkg["pkgwt"]))
                    cprint("Dilevery Start Location :
"+str(pkg["startlocation"]),"magenta")
                    cprint("Dilevery End Location : "+str(pkg["endlocation"]))
                    cprint("Current Location of Package :
"+str(pkg["location"]),"magenta")
                    cprint("Price of package : "+str(pkg["price"]))
                    cprint("Courier Used : "+str(pkg["Courier Used"]),"magenta")
                    cprint("Registration Time : "+str(pkg["issuetime"]))
                    if pkg["location"] == pkg["endlocation"] :
                        cprint("Package Delivered to location.","green")
                    elif pkg["location"] == pkg["startlocation"]:
                        cprint("Package hasn't started delivery.","green")
                    cprint("Press 1 to check another tracking id","magenta")
                    cprint("Else going to previous screen","cyan")
                    ch28 = input()
                    if ch28 == "1":
                        continue
                    else:
                        cprint("Redirecting to previous screen","cyan")
                        break
```

```
        else:
            while True:
                cprint("Find the most suitable shipping service for you","green")
                cprint("Provide the details of the package","blue")
                while True:
                    try:
                        mass2 = float(input("Enter the mass of the package in
kgs"))
                    except:
                        cprint("invalid Input provided","yellow")
                        cprint("Re-enter mass","yellow")
                        continue
                    if mass2 <= 0:
                        cprint("invalid Input provided","yellow")
                        cprint("Re-enter mass","yellow")
                        continue
                    break
                cprint("")
                cprint("Press Y for fast delivery","magenta")
                cprint("Press any other key for Normal Delivery","cyan")
                shipchoice = input()
                if shipchoice == 'y' or shipchoice == "Y":
                    x = "fast"
                    cprint("Fast delivery choosen","cyan")
                else:
                    x = "normal"
                    cprint("Normal Delivery Choosen","cyan")
                while True:
                    datadownload()
                    updatedata()
                    getdata()
                    locatdict = data["Locations"]
                    cprint("Choose start location","blue")
                    for i in range(1,len(locatdict["locid"])+1):
                        cprint("Press "+str(i)+" for
"+str(locatdict["Name"][locatdict["locid"][i-1]]),"magenta")
                    while True:
                        try:
                            ch29 = int(input())
                        except:
                            cprint("Invalid Input given, please
re-enter","yellow")
                            continue
                        if ch29 not in range(1,len(locatdict["locid"])+1):
                            cprint("Invalid Input Given, please
re-enter","yellow")
                            continue
                        break
                    startid = locatdict["locid"][ch29 -1]
                    startlocation = locatdict["Name"][startid]
                    cprint("Start Location Choosen : "+startlocation,"magenta")
                    cprint("Choose Delivery Location","blue")
                    for i in range(1,len(locatdict["locid"])+1):
                        if locatdict["locid"][i-1] == startid:
                            continue
                        cprint("Press "+str(i)+" for
"+str(locatdict["Name"][locatdict["locid"][i-1]]),"magenta")
```

```
                    while True:
                        try:
                            ch30 = int(input())
                        except:
                            cprint("Invalid Input given, please
re-enter","yellow")
                            continue
                        if ch30 not in range(1,len(locatdict["locid"])+1) or
locatdict["locid"][ch30-1] == startid:
                            cprint("Invalid Input Given, please
re-enter","yellow")
                            continue
                        break
                    endid = locatdict["locid"][ch30-1]
                    endlocation = locatdict["Name"][endid]
                    cprint("Delivery Location Choosen :
"+str(endlocation)+str(endid),"magenta")
                    cprint("To Confirm Choice Press 1","magenta")
                    cprint("To choose location again Press 2","blue")
                    while True:
                        try:
                            ch31 = int(input())
                        except:
                            cprint("You have entered Invalid Data","yellow")
                            cprint("Choose any option between 1 and 2","yellow")
                            continue
                        if ch31 not in [1,2]:
                            cprint("You have entered Invalid Data","yellow")
                            cprint("Choose any option between 1 and 2 ","yellow")
                            continue
                        break
                    if ch31 == 2:
                        cprint("Re-choosing Location","cyan")
                        continue
                    else:
                        break
                cprint("Delivery from "+startlocation+" to
"+endlocation,"magenta")
                datadownload()
                updatedata()
                getdata()
                locdata = data["Locations"]["locdata"]
                startlocdata = locdata[startid]
                endlocdata = locdata[endid]
                kms = haversine.haversine(startlocdata,endlocdata)
                if mass2 <= 1 and mass2>0:
                    pid = "01"
                elif mass2 <= 5 and mass2>1:
                    pid = "15"
                elif mass2 <= 10 and mass2>5:
                    pid = "510"
                elif mass2>10:
                    pid = "100"
```

```
                if mass2 <= 10:
                    price_couriera =
data["courier_prices"][x][pid]["startpricec1"] +
(data["courier_prices"][x][pid]["pricekmc1"])*(kms/5)
                    price_courierb =
data["courier_prices"][x][pid]["startpricec2"] +
(data["courier_prices"][x][pid]["pricekmc2"])*(kms/5)
                    price_courierc =
data["courier_prices"][x][pid]["startpricec3"] +
(data["courier_prices"][x][pid]["pricekmc3"])*(kms/5)
                    price_courierd =
data["courier_prices"][x][pid]["startpricec4"] +
(data["courier_prices"][x][pid]["pricekmc4"])*(kms/5)
                else:
                    price_couriera =
data["courier_prices"][x][pid]["startpricec1"] +
(data["courier_prices"][x][pid]["pricekmc1"])*(kms/5)*(mass2 - 9)
                    price_courierb =
data["courier_prices"][x][pid]["startpricec2"] +
(data["courier_prices"][x][pid]["pricekmc2"])*(kms/5)*(mass2 - 9)
                    price_courierc =
data["courier_prices"][x][pid]["startpricec3"] +
(data["courier_prices"][x][pid]["pricekmc3"])*(kms/5)*(mass2 - 9)
                    price_courierd =
data["courier_prices"][x][pid]["startpricec4"] +
(data["courier_prices"][x][pid]["pricekmc4"])*(kms/5)*(mass2 - 9)
                cprint("")
                cprint("The prices provided by Courier Services for","blue")
                cprint(" Package of weight :"+ str(mass2),"magenta")
                cprint("From "+startlocation+" To "+endlocation,"magenta")
                cprint("Covering distance "+str(kms),"magenta")
                cprint("Courier Services","blue")
                cprint("Courier Service A :"+str(price_couriera),"magenta")
                cprint("Courier Service B :"+str(price_courierb),"magenta")
                cprint("Courier Service C :"+str(price_courierc),"magenta")
                cprint("Courier Service D :"+str(price_courierd),"magenta")
                cprint("Now you can choose the most suitable shipping service for
you.","green")
                cprint("")
                print("For courier service A press 1","For courier service B press
2", sep ='\n')
                print("For courier service C press 3","For courier service D press
4", sep ='\n')
                k = input()
```

```
                while k == "" or (k != "1" and k != "A" and k != "a" and k != "2"
and k != "B" and k != "b" and k != "3" and k != "C" and k != "c" and k != "4" and
k != "D" and k != "d"):
                    cprint("Please enter a valid choice between a,b,c,d or
1,2,3,4","yellow")
                    k = input()
                cprint("")
                if k == "1" or k == "A" or k == "a":
                    cid = "c1"
                    price2 = price_couriera
                elif k == "2" or k == "b" or k == "B":
                    cid = "c2"
                    price2 = price_courierb
                elif k == "3" or k == "c" or k == "C":
                    cid = "c3"
                    price2 = price_courierc
                elif k == "4" or k == "d" or k == "D":
                    cid = "c4"
                    price2 = price_courierd
                cprint("Link to Courier"+str(data["couriers"][cid]),"magenta")
                urltext = data["courierurl"][cid]
                cprint(urltext)
                cprint("Press 1 to save this track","green")
                cprint("Else, going to Previous Screen","cyan")
                ch32 = input()
                if ch32 == "1":
                    pid2 = random.randint(10000000,99999999)
                    while pid2 in data["tracks"]:
                        pid2 = random.randint(10000000,99999999)
                    cprint("courier Id : "+str(pid2),"magenta")
                    cprint("Note down this Courier Id for future
reference.","yellow")
                    datadownload()
                    updatedata()
                    getdata()
                    trackdict2 = {}
                    trackdict2["issuetime"] = str(datetime.now())
                    trackdict2["pkgwt"] = str(mass2)
                    trackdict2["startlocation"] = str(startid)
                    trackdict2["endlocation"] = str(endid)
                    trackdict2["location"] = str(startid)
                    trackdict2["Courier Used"] = str(cid)
                    trackdict2["price"] = str(price2)
                    data["tracks"][str(pid2)] = trackdict2
                    updatedata()
                    dataupload()
                    datadownload()
                    updatedata()
                    getdata()
                    cprint("To check suitable prices for another package press
1","green")
                    cprint("else going to User Startup Screen","cyan")
                    ch33 = input()
                    if ch33 == "1":
                        continue
                    else:
                        break
                else:
                    break
```

```
#-------------------------------------------------------------------------------#
#Authenticated Startup Function
def startup(mail):
    while True:
        datadownload()
        updatedata()
        getdata()
        cprint("+"+"-"*126+"+","blue","on_white")
        cprint("|"+" "*54 +"Welcome to ShipIt!" + " "*54+"|","blue","on_white")
        cprint("+"+"-"*126+"+","blue","on_white")
        for i in data["users"]:
            if i["email"] == mail:
                userdict = i
                break
        cprint("Hello " +userdict["name"],"blue")
        cprint("Email Id : "+userdict["email"],"blue")
        cprint("To Check existing tracks press 1","magenta")
        cprint("To add new delivery press 2","magenta")
        cprint("To edit user details such as Name, E-mail id, password press
3","magenta")
        cprint("To log-out press 4","red")
        while True:
            try:
                ch11 = int(input())
            except:
                cprint("You have entered Invalid Data","yellow")
                cprint("Choose any option between 1,2,3 and 4","yellow")
                continue
            if ch11 not in [1,2,3,4]:
                cprint("You have entered Invalid Data","yellow")
                cprint("Choose any option between 1,2 and 3","yellow")
                continue
            break
        if ch11 == 4:
            break
        elif ch11 == 1:
            while True:
                cprint("Existing Tracks","blue")
                tracks = userdict["tracks"]
                if len(tracks) == 1:
                    cprint("There are no existing tracks, Going to user
screen","yellow")
                    break
                else:
                    cprint("Choose tracking id to check details :","blue")
                    for i in range(1,len(tracks)):
                        cprint(
                        "Press "+str(i)+" for "+str(tracks[i])+" ( from "
+data["Locations"]["Name"][data["tracks"][tracks[i]]["startlocation"]]+" to "+
data["Locations"]["Name"][data["tracks"][tracks[i]]["endlocation"]]+' ) ',
"magenta")
```

```
                    while True:
                        try:
                            ch12 = int(input())
                        except:
                            cprint("Invalid Input Provided please
re-enter.","yellow")
                            cprint("Enter value between 1
to"+str(len(tracks)),"yellow")
                            continue
                        if ch12 not in range(1,len(tracks)+1):
                            cprint("Invalid Input Provided please re-enter.")
                            cprint("Enter value between 1
to"+str(len(tracks)),"yellow")
                            continue
                        break
                    trackid = ch12
                    print("Details of shipment with tracking ID",tracks[trackid])
                    print("Package Weight
:",data["tracks"][tracks[trackid]]["pkgwt"])
                    print("Dilevery Start Location
:",data["Locations"]["Name"][data["tracks"][tracks[trackid]]["startlocation"]])
                    print("Dilevery End Location
:",data["Locations"]["Name"][data["tracks"][tracks[trackid]]["endlocation"]])
                    print("Current Location of Package
:",data["Locations"]["Name"][data["tracks"][tracks[trackid]]["location"]])
                    print("Price of package :
",data["tracks"][tracks[trackid]]["price"])
                    print("Courier Used :
",data["couriers"][data["tracks"][tracks[trackid]]["Courier Used"]])
                    print("Registration Time :
",data["tracks"][tracks[trackid]]["issuetime"])
                    if data["tracks"][tracks[trackid]]["location"] ==
data["tracks"][tracks[trackid]]["endlocation"] :
                        cprint("Package Delivered to location.","green")
                    elif data["tracks"][tracks[trackid]]["location"] ==
data["tracks"][tracks[trackid]]["startlocation"]:
                        cprint("Package hasn't started delivery.","green")
                    cprint("To check another track press 1","magenta")
                    cprint("Else, Going Back to User Screen","cyan")
                    ch13 = input()
                    if ch13 == "1":

                        continue
                    else:

                        break
        elif ch11 == 2:
            while True:
                cprint("Let us find the most suitable shipping service for
you!","magenta")
                cprint("Provide the details of the package","blue")
                while True:
                    try:
                        mass = float(input("Enter the mass of the package to be
delivered in kgs."))
```

```
                    except:
                        cprint("You have entered an invalid data. Please
re-enter.","yellow")
                        cprint("")
                        continue
                    if mass <= 0:
                        cprint("You have entered an invalid data. Please
re-enter.","yellow")
                        cprint("")
                        continue
                    break
                cprint("")
                cprint("Press Y for fast delivery","magenta")
                cprint("Else Press any other key","magenta")
                ship_choice = input()
                if ship_choice == 'y' or ship_choice == "Y":
                    x = "fast"
                    cprint("Fast Delivery choosen","green")
                else:
                    x = "normal"
                    cprint('Normal Delivery chosen',"green")
                while True:
                    datadownload()
                    updatedata()
                    getdata()
                    locatdict = data["Locations"]
                    cprint("Choose start location","blue")
                    for i in range(1,len(locatdict["locid"])+1):

print("Press",i,"for",locatdict["Name"][locatdict["locid"][i-1]])
                    while True:
                        try:
                            ch14 = int(input())
                        except:
                            cprint("Invalid Input given, please
re-enter","yellow")
                            continue
                        if ch14 not in range(1,len(locatdict["locid"])+1):
                            cprint("Invalid Input Given, please
re-enter","yellow")
                            continue
                        break
                    startid = locatdict["locid"][ch14-1]
                    startlocation = locatdict["Name"][startid]
                    cprint("Start Location Choosen : "+startlocation+"
"+str(startid),"green")
                    cprint("Choose Delivery Location","blue")
                    for i in range(1,len(locatdict["locid"])+1):
                        if locatdict["locid"][i-1] == startid:
                            continue

print("Press",i,"for",locatdict["Name"][locatdict["locid"][i-1]])
```

```
                    while True:
                        try:
                            ch15 = int(input())
                        except:
                            cprint("Invalid Input given, please
re-enter","yellow")
                            continue
                        if ch15 not in range(1,len(locatdict["locid"])+1) or
locatdict["locid"][ch15-1] == startid:
                            cprint("Invalid Input Given, please
re-enter","yellow")
                            continue
                        break
                    endid = locatdict["locid"][ch15-1]
                    endlocation = locatdict["Name"][endid]
                    cprint("Delivery Location Choosen : "+endlocation+"
"+str(endid),"green")
                    cprint("To Confirm Choice Press 1","green")
                    cprint("To choose location again Press 2","magenta")
                    while True:
                        try:
                            ch16 = int(input())
                        except:
                            cprint("You have entered Invalid Data","yellow")
                            cprint("Choose any option between 1 and 2","yellow")
                            continue
                        if ch16 not in [1,2]:
                            cprint("You have entered Invalid Data","yellow")
                            cprint("Choose any option between 1,2 and 3","yellow")
                            continue
                        break
                    if ch16 == 2:
                        cprint("Re-choosing Location","cyan")
                        continue
                    else:
                        break
                cprint("Delivery from "+startlocation+" to "+endlocation,"green")
                datadownload()
                updatedata()
                getdata()
                locdata = data["Locations"]["locdata"]
                startlocdata = locdata[startid]
                endlocdata = locdata[endid]
                kms = haversine.haversine(startlocdata,endlocdata)
                if mass <= 1 and mass>0:
                    pid = "01"
                elif mass <= 5 and mass>1:
                    pid = "15"
                elif mass <= 10 and mass>5:
                    pid = "510"
                elif mass>10:
                    pid = "100"
```

```
                if mass <= 10:
                    price_couriera =
data["courier_prices"][x][pid]["startpricec1"] +
(data["courier_prices"][x][pid]["pricekmc1"])*(kms/5)
                    price_courierb =
data["courier_prices"][x][pid]["startpricec2"] +
(data["courier_prices"][x][pid]["pricekmc2"])*(kms/5)
                    price_courierc =
data["courier_prices"][x][pid]["startpricec3"] +
(data["courier_prices"][x][pid]["pricekmc3"])*(kms/5)
                    price_courierd =
data["courier_prices"][x][pid]["startpricec4"] +
(data["courier_prices"][x][pid]["pricekmc4"])*(kms/5)
                else:
                    price_couriera =
data["courier_prices"][x][pid]["startpricec1"] +
(data["courier_prices"][x][pid]["pricekmc1"])*(kms/5)*(mass - 9)
                    price_courierb =
data["courier_prices"][x][pid]["startpricec2"] +
(data["courier_prices"][x][pid]["pricekmc2"])*(kms/5)*(mass - 9)
                    price_courierc =
data["courier_prices"][x][pid]["startpricec3"] +
(data["courier_prices"][x][pid]["pricekmc3"])*(kms/5)*(mass - 9)
                    price_courierd =
data["courier_prices"][x][pid]["startpricec4"] +
(data["courier_prices"][x][pid]["pricekmc4"])*(kms/5)*(mass - 9)
                cprint("")
                cprint("The prices provided by Courier Services for","blue")
                cprint(" Package of weight :"+str( mass),"magenta")
                cprint("From " + startlocation+" To "+endlocation,"magenta")
                cprint("Covering distance"+str(kms),"magenta")
                cprint("Courier Services","blue")
                print("Courier Service A :",price_couriera)
                print("Courier Service B :",price_courierb)
                print("Courier Service C :",price_courierc)
                print("Courier Service D :",price_courierd)
                cprint("Now you can choose the most suitable shipping service for
you.","green")
                cprint("")
                print("For courier service A press 1","For courier service B press
2", sep ='\n')
                print("For courier service C press 3","For courier service D press
4", sep ='\n')
                k = input()
                while k == "" or (k != "1" and k != "A" and k != "a" and k != "2"
and k != "B" and k != "b" and k != "3" and k != "C" and k != "c" and k != "4" and
k != "D" and k != "d"):
                    cprint("Please enter a valid choice between a,b,c,d or
1,2,3,4","yellow")
                    k = input()
                cprint("")
                if k == "1" or k == "A" or k == "a":
                    cid = "c1"
                    price = price_couriera
                elif k == "2" or k == "b" or k == "B":
                    cid = "c2"
```

```
                price = price_courierb
            elif k == "3" or k == "c" or k == "C":
                cid = "c3"
                price = price_courierc
            elif k == "4" or k == "d" or k == "D":
                cid = "c4"
                price = price_courierd
            cprint("Link to Courier"+data["couriers"][cid],"green")
            urltext = data["courierurl"][cid]
            cprint(urltext)
            cprint("To save this track to your account press 1","green")
            cprint("else going to User Screen","cyan")
            ch17 = input()
            if ch17 == "1":
                pid = random.randint(10000000,99999999)
                while pid in data["tracks"]:
                    pid = random.randint(10000000,99999999)
                cprint("courier Id : "+str(pid))
                datadownload()
                updatedata()
                getdata()
                trackdict = {}
                trackdict["issuetime"] = str(datetime.now())
                trackdict["pkgwt"] = str(mass)
                trackdict["startlocation"] = str(startid)
                trackdict["endlocation"] = str(endid)
                trackdict["location"] = str(startid)
                trackdict["Courier Used"] = str(cid)
                trackdict["price"] = str(price)
                for i in data["users"]:
                    if i["email"] == userdict["email"]:
                        i["tracks"].append(str(pid))
                data["tracks"][str(pid)] = trackdict
                updatedata()
                dataupload()
                datadownload()
                updatedata()
                getdata()
                cprint("To check suitable prices for another package press
1","green")
                cprint("else going to User Startup Screen","cyan")
                ch18 = input()
                if ch18 == "1":

                    continue
                else:

                    break
            else:
                cprint("Re-directing to User Screen","cyan")

                break
        else:
            while True:
                datadownload()
                updatedata()
                getdata()
```

```
                for i in data["users"]:
                    if i["email"] == mail:
                        userdict = i
                        break
                cprint("Editing User Details","yellow")
                cprint("Press 1 to edit UserName","magenta")
                cprint("Press 2 to edit Mail Id","magenta")
                cprint("Press 3 to edit Password","magenta")
                cprint("Press 4 to go to User Screen","yellow")
                while True:
                    try:
                        ch19 = int(input())
                    except:
                        cprint("Invalid Input Provided","yellow")
                        cprint("Enter a value between 1 to 4","yellow")
                        continue
                    if ch19 not in [1,2,3,4]:
                        cprint("Invalid Input Provided","yellow")
                        cprint("Enter a value between 1 to 4","yellow")
                        continue
                    break
                if ch19 == 4:
                    cprint("Redirecting to User Screen","cyan")
                    break
                elif ch19 == 1:
                    while True:
                        datadownload()
                        updatedata()
                        getdata()
                        for i in data["users"]:
                            if i["email"] == mail:
                                userdict = i
                                break
                        cprint("Editing Username","blue")
                        cprint("Current Username : "+ userdict["name"],"magenta")
                        newname = input("Enter new Username : ")
                        cprint("You entered "+newname+" as your new
Username.","magenta")
                        cprint("To confirm Press 1","yellow")
                        cprint("To re-enter press 2","magenta")
                        cprint("To go back press 3","yellow")
                        while True:
                            try:
                                ch20 = int(input())
                            except:
                                cprint("Invalid Input provided","yellow")
                                cprint("Please enter any value between 1,2 and
3","yellow")
                                continue
                            if ch20 not in [1,2,3]:
                                cprint("Invalid Input provided","yellow")
                                cprint("Please enter any value between 1,2 and
3","yellow")
                                continue
                            break
                        if ch20 == 3:
                            break
```

```
                    elif ch20 == 2:
                         continue
                    else:
                        userdict["name"] = newname
                        for i in range (0,len(data["users"])):
                            if data["users"][i]["uid"] == userdict["uid"]:
                                data["users"][i] = userdict
                                break
                        updatedata()
                        dataupload()
                        datadownload()
                        getdata()
                        cprint("Username changed to "+newname,"green")
                        cprint("To change username again press 1","magenta")
                        cprint("Else going back","cyan")
                        ch21 = input()
                        if ch21 == "1":
                            continue
                        else:
                            cprint("Going to Edit User Section...","cyan")
                            break
                elif ch19 == 2:
                    while True:
                        datadownload()
                        updatedata()
                        getdata()
                        for i in data["users"]:
                            if i["email"] == mail:
                                userdict = i
                                break
                        cprint("Editing Email Address","blue")
                        cprint("Current email : "+ userdict["email"],"magenta")
                        newmail = input("Enter new email address : ")
                        cprint("You entered "+newmail+" as your new email
address.","magenta")
                        cprint("To confirm Press 1","yellow")
                        cprint("To re-enter press 2","magenta")
                        cprint("To go back press 3","yellow")
                        while True:
                            try:
                                ch22 = int(input())
                            except:
                                cprint("Invalid Input provided","yellow")
                                cprint("Please enter any value between 1,2 and
3","yellow")
                                continue
                            if ch22 not in [1,2,3]:
                                cprint("Invalid Input provided","yellow")
                                cprint("Please enter any value between 1,2 and
3","yellow")
                                continue
                            break
                        if ch22 == 3:
                            break
                        elif ch22 == 2:
                            continue
```

```
                    else:
                        userdict["email"] = newmail
                        for i in range (0,len(data["users"])):
                            if data["users"][i]["uid"] == userdict["uid"]:
                                data["users"][i] = userdict
                                break
                        updatedata()
                        dataupload()
                        datadownload()
                        getdata()
                        cprint("Email-address changed to "+newmail,"green")
                        cprint("To change email again press 1","magenta")
                        cprint("Else going back","cyan")
                        ch23 = input()
                        if ch23 == "1":
                            continue
                        else:
                            cprint("Going to Edit User Section...","cyan")
                            break
                else:
                    while True:
                        datadownload()
                        updatedata()
                        getdata()
                        for i in data["users"]:
                            if i["email"] == mail:
                                userdict = i
                                break
                        cprint("Editing Password","blue")
                        cprint("Current Password : "+ userdict["pwd"],"magenta")
                        newpwd = input("Enter new password : ")
                        cprint("You entered "+ newpwd+" as your new
password.","magenta")
                        cprint("To confirm Press 1","yellow")
                        cprint("To re-enter press 2","magenta")
                        cprint("To go back press 3","yellow")
                        while True:
                            try:
                                ch24 = int(input())
                            except:
                                cprint("Invalid Input provided","yellow")
                                cprint("Please enter any value between 1,2 and
3","yellow")
                                continue
                            if ch24 not in [1,2,3]:
                                cprint("Invalid Input provided","yellow")
                                cprint("Please enter any value between 1,2 and
3","yellow")
                                continue
                            break
                        if ch24 == 3:

                            break
                        elif ch24 == 2:
                            continue
```

```
                    else:
                        userdict["pwd"] = newpwd
                        for i in range (0,len(data["users"])):
                            if data["users"][i]["uid"] == userdict["uid"]:
                                data["users"][i] = userdict
                                break
                        updatedata()
                        dataupload()
                        datadownload()
                        getdata()
                        cprint("Password changed to "+newpwd,"green")
                        cprint("To change password again press 1","magenta")
                        cprint("Else going back","cyan")
                        ch25 = input()
                        if ch25 == "1":
                            continue
                        else:
                            cprint("Going to Edit User Section...","cyan")
                            break
#-------------------------------------------------------------------------------#
#Login Function
def login():
    global mail
    getdata()
    while True:
        mail = None
        passwd = None
        maildone2,pwdone2,flag2 = False,False,False
        cprint("-"*128,"blue","on_white")
        cprint("|"+" "*57 + "Login Screen" + " "*57+"|" ,"blue","on_white")
        cprint("-"*128,"blue","on_white")
        while maildone2 == False and flag2 == False:
            cprint("Enter E-mail ID to login into ShipIt","blue")
            mail = input("Mail ID : ")
            cprint("You entered "+mail+" as your email ID","blue")
            cprint("To continue Press 1","magenta")
            cprint("To re-enter press 2","magenta")
            cprint("To go-back to main-screen press 3","yellow")
            while True:
                try:
                    ch7 = int(input())
                except:
                    cprint("You have entered Invalid Data","yellow")
                    cprint("Choose any option between 1,2 and 3","yellow")
                    continue
                if ch7 not in [1,2,3]:
                    cprint("You have entered Invalid Data","yellow")
                    cprint("Choose any option between 1,2 and 3","yellow")
                break
            if ch7 == 3:
                flag2 = True
                break
            elif ch7 == 2:
                continue
```

```
        elif not checkmailexist(mail):
            cprint("Provided E-mail doesn't exist in database.","yellow")
            cprint("To re-enter email press 1","magenta")
            cprint("To register press 2","magenta")
            while True:
                try:
                    ch8 = int(input())
                except:
                    cprint("You have entered Invalid Data","yellow")
                    cprint("Choose any option between 1 and 2","yellow")
                    continue
                if ch8 not in [1,2]:
                    cprint("You have entered Invalid Data","yellow")
                    cprint("Choose any option between 1 and 2","yellow")
                    continue
                break
            if ch8 == 1:
                continue
            else:
                signup()
                flag2 = True
                break
        else:
            maildone2 = True
            break
    while pwdone2 == False and flag2 == False and maildone2 == True:
        cprint("Enter Password to login into ShipIt","blue")
        passwd = input("Password : ")
        cprint("You entered "+passwd+" as your Password","blue")
        cprint("To continue Press 1","magenta")
        cprint("To re-enter press 2","magenta")
        cprint("To go-back to main-screen press 3","yellow")
        while True:
            try:
                ch9 = int(input())
            except:
                cprint("You have entered Invalid Data","yellow")
                cprint("Choose any option between 1,2 and 3","yellow")
                continue
            if ch9 not in [1,2,3]:
                cprint("You have entered Invalid Data","yellow")
                cprint("Choose any option between 1,2 and 3","yellow")
                continue
            break
        if ch9 == 3:
            flag2 = True
            break
        elif ch9 == 2:
            continue
        else:
            pwdone2 = True
            break
    if flag2 == True:
        break
```

```
        elif checklogin(mail,passwd) and flag2 == False and maildone2 == True and
pwdone2 == True:
            cprint("Login Successfull","green")
            startup(mail)
            break
        else:
            cprint("Username and Password don't match","red")
            cprint("To Re-enter mail-id and passwd press 1","magenta")
            cprint("To go to main- menu press 2","yellow")
            while True:
                try:
                    ch10 = int(input())
                except :
                    cprint("You have entered Invalid Data","yellow")
                    cprint("Choose any option between 1 and 2","yellow")
                    continue
                if ch10 not in [1,2]:
                    cprint("You have entered Invalid Data","yellow")
                    cprint("Choose any option between 1,2 and 3","yellow")
                    continue
                break
            if ch10 == 1:
                continue
            else:
                break
#-------------------------------------------------------------------------------#
#SignUp Function
def signup():
    flag1 = False
    maildone,pwdone,namedone = False,False,False
    cprint("-"*128,"blue","on_white")
    cprint(" "*57 + "Sign-Up Screen" + " "*57,"blue","on_white" )
    cprint("-"*128,"blue","on_white")
    while maildone == False and flag1 == False:
        cprint("Enter E-mail ID to register into ShipIt","blue")
        regmail = input("Mail ID : ")
        cprint("You entered "+regmail+" as your email ID","blue")
        cprint("To continue Press 1","magenta")
        cprint("To re-enter press 2","magenta")
        cprint("To go-back to main-screen press 3","yellow")
        while True:
            try:
                ch3 = int(input())
            except:
                cprint("You have entered Invalid Data","yellow")
                cprint("Choose any option between 1,2 and 3","yellow")
                continue
            if ch3 not in [1,2,3]:
                cprint("You have entered Invalid Data","yellow")
                cprint("Choose any option between 1,2 and 3","yellow")
                continue
            break
        if ch3 == 3:
            flag1 = True
            break
        elif ch3 == 2:
            continue
```

```
    elif checkmailexist(regmail):
        cprint("Entered e-mail address already exists","green")
        cprint("To Login Press 1","magenta")
        cprint("To re-enter mail id Press 2","magenta")
        while True:
            try:
                ch4 = int(input())
            except:
                cprint("You have entered Invalid Data","yellow")
                cprint("Choose any option between 1 and 2","yellow")
                continue
            if ch4 not in [1,2]:
                cprint("You have entered Invalid Data","yellow")
                cprint("Choose any option between 1 and 2","yellow")
                continue
            break
        if ch4 == 1:
            cprint("Going to Login Screen...","cyan")
            login()
            break
        else:
            continue
    elif checkvalid(regmail):
        maildone = True
        break
    else:
        cprint("Entered e-mail Id is invalid.","red")
        continue
while pwdone == False and flag1 == False and maildone == True:
    cprint("Enter Password","blue")
    pwd = input("Password : ")
    cprint("You entered "+pwd+" as your password","blue")
    cprint("To continue Press 1","magenta")
    cprint("To re-enter press 2","magenta")
    cprint("To go-back to main-screen press 3","yellow")
    while True:
        try:
            ch5 = int(input())
        except:
            cprint("You have entered Invalid Data","yellow")
            cprint("Choose any option between 1,2 and 3","yellow")
            continue
        if ch5 not in [1,2,3]:
            cprint("You have entered Invalid Data","yellow")
            cprint("Choose any option between 1,2 and 3","yellow")
            continue
        break
    if ch5 == 3:
        flag1 = True
        break
    elif ch5 == 2:
        continue
    else:
        pwdone = True
        break
```

```
    while namedone == False and flag1 == False and maildone == True and pwdone ==
True:
        cprint("Enter Username","blue")
        name = input("Name : ")
        cprint("You entered "+name+" as your name","blue")
        cprint("To continue Press 1","magenta")
        cprint("To re-enter press 2","magenta")
        cprint("To go-back to main-screen press 3","yellow")
        while True:
            try:
                ch6 = int(input())
            except:
                cprint("You have entered Invalid Data","yellow")
                cprint("Choose any option between 1,2 and 3","yellow")
                continue
            if ch6 not in [1,2,3]:
                cprint("You have entered Invalid Data","yellow")
                cprint("Choose any option between 1,2 and 3","yellow")
                continue
            break
        if ch6 == 3:
            flag1 = True
            break
        elif ch6 == 2:
            continue
        else:
            namedone = True
            break
    if namedone == True and pwdone == True and maildone == True and flag1 ==
False:
        cprint("Please Wait.....","cyan")
        datadownload()
        updatedata()
        getdata()
        l = []
        for i in data["users"]:
            l.append(i["uid"])
        uid = random.randint(10000,99999)
        while uid in l:
            uid = random.randint(10000,99999)
        del l
        data["users"].append( {"name":name, "email":regmail, "pwd":pwd,
"tracks":["00000000"] , "uid":uid})
        updatedata()
        dataupload()
        getdata()
        cprint("Registration Complete with","green")
        cprint("Name :"+name,"cyan")
        cprint("E-mail : "+ regmail,"cyan")
        cprint("Password : "+pwd,"cyan")
        cprint("Please Note the ID and passwd","yellow")

#-------------------------------------------------------------------------#
```

```
#Main Loop
while True:
    logincomplete = False
    datadownload()
    try:
        getdata()
        datadownload()
    except:
        updatedata()
    updatedata()
    cprint(" "*128,"white","on_cyan")
    cprint(" "*128,"white","on_cyan")
    cprint(" "*128,"white","on_cyan")
    cprint(" "*75 ,"white","on_cyan",end="")
    cprint("▒▓▓▓
```

```
while True:
        try:
            ch1 = int(input())
        except:
            cprint("You have entered invalid data","yellow")
            continue
        if ch1 not in [1,2,3,4]:
            cprint("Enter suitable value from 1,2 or 3","yellow")
            continue
        break
    if ch1 == 1:
        login()
    elif ch1 == 2:
        startupano()
    elif ch1 == 123:
        break
    elif ch1 == 3:
        signup()
    elif ch1 == 4:
        break
    cprint("To end session enter N else continue","red")
    ch2 = input()
    if ch2 in ["N","n"]:
        cprint("Program Terminated","red")
        break
    cprint("Please Wait.....","cyan")


#-------------------------------------------------------------------------------#

#About US
aboutus()

#-------------------------------------------------------------------------------#

#Exit Loop
while True:
    cprint("To exit press q","red")
    q = input()
    if q == "q" or q == "Q":
        break

#-------------------------------------------------------------------------------#

subprocess.call(["python.exe",  currentpath + "/main.py"])

#-------------------------------------------------------------------------------#
```

ShipIt_Admin_col.py :

```
#Packages
import json, re, os, haversine , random, requests, sys, subprocess
from passlib.hash import sha256_crypt
from datetime import datetime
from termcolor import colored,cprint
#Pre-defined data
currentpath =  os.path.dirname(sys.argv[0])
filepath = currentpath + "/shipdata.json"
datalink = "https://shipit-pantomaths.firebaseio.com/.json"
datalink2 = "https://shipit-log-default-rtdb.firebaseio.com/.json"
os.system('cls')
def aboutus():
    cprint("")
    cprint("-="*64,"blue","on_white")
    cprint(" "*60 + "ABOUT US" + " "*60,"blue","on_white")
    cprint("-="*64,"blue","on_white")
    cprint("")
    cprint("Thanks For using our Service, here is our About Us section:","blue")
    cprint("")
    cprint("We are ShipIt!, a service that aims to help you choose the best
shipping service for you.","blue")
    cprint("The Developer:","blue")
    cprint("P.Biswanath Patra","blue")
    cprint("XII - A, Kendriya Vidyalaya, BAM","blue")
    cprint("For social data:","blue")
    cprint("@roshanbiswanath","blue")
    cprint("roshanbiswanathpatra@gmail.com","blue")
def checkmailexist(mail):
    mailexist = False
    for i in data["admins"]:
        if mail == i["email"]:
            mailexist = True
            break
        else:
            mailexist = False
    return mailexist
def checklogin(mail,passw):
    for i in data["admins"]:
        if i["email"] == mail and sha256_crypt.verify(passw, i["pwd"]) :
            check = True
            break
        else:
            check = False
    return check
#Online Data Functions Start
def datadownload():
    global data
    r = requests.get(datalink).text
    data = json.loads(r)

def dataupload():
    global data
    requests.patch(datalink,data = json.dumps(data))
#Online Data Functions End
#--------------------------------------------------------------------------------#
```

```
#Offline Data Functions Start
def getdata():
    global data
    f = open(filepath,"r")
    data = json.load(f)
    f.close()
def updatedata():
    global data
    f = open(filepath,"w")
    f.write(json.dumps(data))
    f.close()
#Offline Data Functions End
def login():
    global mail
    getdata()
    while True:
        mail = None
        passwd = None
        maildone2,pwdone2,flag2 = False,False,False
        cprint("-"*128,"blue","on_white")
        cprint("|"+" "*57 + "Login Screen" + " "*57+"|" ,"blue","on_white")
        cprint("-"*128,"blue","on_white")
        while maildone2 == False and flag2 == False:
            cprint("Enter E-mail ID to login into ShipIt","blue")
            mail = input("Mail ID : ")
            cprint("You entered "+mail+" as your email ID","blue")
            cprint("To continue Press 1","magenta")
            cprint("To re-enter press 2","magenta")
            cprint("To go-back to main-screen press 3","yellow")
            while True:
                try:
                    ch2 = int(input())
                except:
                    cprint("You have entered Invalid Data","yellow")
                    cprint("Choose any option between 1,2 and 3","yellow")
                    continue
                if ch2 not in [1,2,3]:
                    cprint("You have entered Invalid Data","yellow")
                    cprint("Choose any option between 1,2 and 3","yellow")
                break
            if ch2 == 3:
                flag2 = True
                break
            elif ch2 == 2:
                continue
            elif not checkmailexist(mail):
                cprint("Provided E-mail doesn't exist in database.","yellow")
                continue
            else:
                maildone2 = True
                break
        while pwdone2 == False and flag2 == False and maildone2 == True:
            cprint("Enter Password to login into ShipIt","blue")
            passwd = input("Password : ")
            cprint("You entered "+passwd+" as your Password","blue")
            cprint("To continue Press 1","magenta")
            cprint("To re-enter press 2","magenta")
            cprint("To go-back to main-screen press 3","yellow")
```

```
            while True:
                try:
                    ch3 = int(input())
                except:
                    cprint("You have entered Invalid Data","yellow")
                    cprint("Choose any option between 1,2 and 3","yellow")
                    continue
                if ch3 not in [1,2,3]:
                    cprint("You have entered Invalid Data","yellow")
                    cprint("Choose any option between 1,2 and 3","yellow")
                    continue
                break
            if ch3 == 3:
                flag2 = True
                break
            elif ch3 == 2:
                continue
            else:
                pwdone2 = True
                break
        if flag2 == True:
            break
        elif checklogin(mail,passwd) and flag2 == False and maildone2 == True and
pwdone2 == True:
            cprint("Login Successfull","green")
            startup(mail)
            break
        else:
            cprint("Username and Password don't match","red")
            cprint("To Re-enter mail-id and passwd press 1","magenta")
            cprint("To go to main- menu press 2","yellow")
            while True:
                try:
                    ch4 = int(input())
                except :
                    cprint("You have entered Invalid Data","yellow")
                    cprint("Choose any option between 1 and 2","yellow")
                    continue
                if ch4 not in [1,2]:
                    cprint("You have entered Invalid Data","yellow")
                    cprint("Choose any option between 1,2 and 3","yellow")
                    continue
                break
            if ch4 == 1:
                continue
            else:
                break

def startup(mail):
    while True:
        datadownload()
        dataupload()
        getdata()
        cprint("+"+"-"*126+"+","blue","on_white")
        cprint("|"+" "*54 +"Welcome to ShipIt!" + " "*54+"|","blue","on_white")
        cprint("+"+"-"*126+"+","blue","on_white")
```

```
        for i in data["admins"]:
            if i["email"] == mail:
                userdict = i
                break
        cprint("Hello " +userdict["name"],"blue")
        cprint("Email Id : "+userdict["email"],"blue")
        cprint("Courier Service : "+data["couriers"][userdict["courier"]],"blue")
        cprint("To change prices press 1","magenta")
        cprint("To Log-Out press 2","red")
        while True:
            try:
                ch5 = int(input())
            except:
                cprint("Invalid Input Given. Please Re-enter","yellow")
                cprint("Enter a value between 1,2, or 3","yellow")
                continue
            if ch5 not in [1,2]:
                cprint("Invalid Input Given. Please Re-enter","yellow")
                cprint("Enter a value between 1,2, or 3","yellow")
                continue
            break
        if ch5 == 2:
            break
        else:
            while True:
                for i in data["admins"]:
                    if i["email"] == mail:
                        userdict = i
                        break
                datadownload()
                dataupload()
                getdata()
                cprint("Editing Prices","blue")
                cprint("Current Prices ","blue")
                cprint("+--- Fast -------+-------------------------------------+"
,"blue")
                cprint("|     Weight     |     Start Price    |  Price per km  |",
"blue")
                cprint("+----------------+-------------------------------------+",
"blue")
                for i in data["courier_prices"]["fast"]:
                    if i == "01":
                        k = "    0 - 1 kg    "
                    elif i == "15":
                        k = "    1 - 5 kg    "
                    elif i == "510":
                        k = "   5 - 10 kg    "
                    elif i == "100":
                        k = "      10+ kg    "
                    d = data["courier_prices"]["fast"][i]
                    a = "pricekm"+userdict["courier"]
                    b = "startprice"+userdict["courier"]
                    x = ["₹"+str(d[b]),"₹"+str(d[a])]
                    cprint("|"+k+"|    "+x[0]+" "*(16-len(x[0]))+"|    "+x[1]+"
"*(13-len(x[1]))+"|","magenta")
                cprint("+----------------+-------------------+---------------|",
"blue")
                cprint("")
```

```
                cprint("+-- Normal ------+-----------------------------------+",
"blue")
                cprint("|     Weight     |     Start Price    |  Price per km
|","blue")
                cprint("+---------------+-----------------------------------+",
"blue")
                for i in data["courier_prices"]["normal"]:
                    if i == "01":
                        k = "    0 - 1 kg    "
                    elif i == "15":
                        k = "    1 - 5 kg    "
                    elif i == "510":
                        k = "   5 - 10 kg    "
                    elif i == "100":
                        k = "      10+ kg    "
                    d = data["courier_prices"]["normal"][i]
                    a = "pricekm"+userdict["courier"]
                    b = "startprice"+userdict["courier"]
                    x = ["₹"+str(d[b]),"₹"+str(d[a])]
                    cprint("|"+k+"|    "+x[0]+" "*(16-len(x[0]))+"|   "+x[1]+"
"*(13-len(x[1]))+"|","magenta")
                cprint("+---------------+-------------------+---------------|",
"blue")
                cprint("")
                cprint("To edit Fast Service prices press 1","magenta")
                cprint("To edit Normal Service prices press 2","magenta")
                cprint("To go back to main screen press 3","yellow")
                while True:
                    try:
                        ch6 = int(input())
                    except:
                        cprint("Invalid Input provided, please re-enter","yellow")
                        cprint("Enter a value between 1,2 or 3","yellow")
                        continue
                    if ch6 not in [1,2,3]:
                        cprint("Invalid Input provided, please re-enter","yellow")
                        cprint("Enter a value between 1,2 or 3","yellow")
                        continue
                    break
                if ch6 ==3 :
                    break
                elif ch6 == 2:
                    ser = "normal"
                else:
                    ser = "fast"
                cprint("")
                cprint("Choose the weight category to edit","blue")
                cprint("For 0-1  kg press 1","magenta")
                cprint("For 1-5  kg press 2","magenta")
                cprint("For 5-10 kg press 3","magenta")
                cprint("for 10+  kg press 4","magenta")
                cprint("To go back to main screen press 5","yellow")
                while True:
                    try:
                        ch7 = int(input())
                    except:
                        cprint("Invalid Input provided, please re-enter","yellow")
                        cprint("Enter a value between 1 to 5","yellow")
                        continue
```

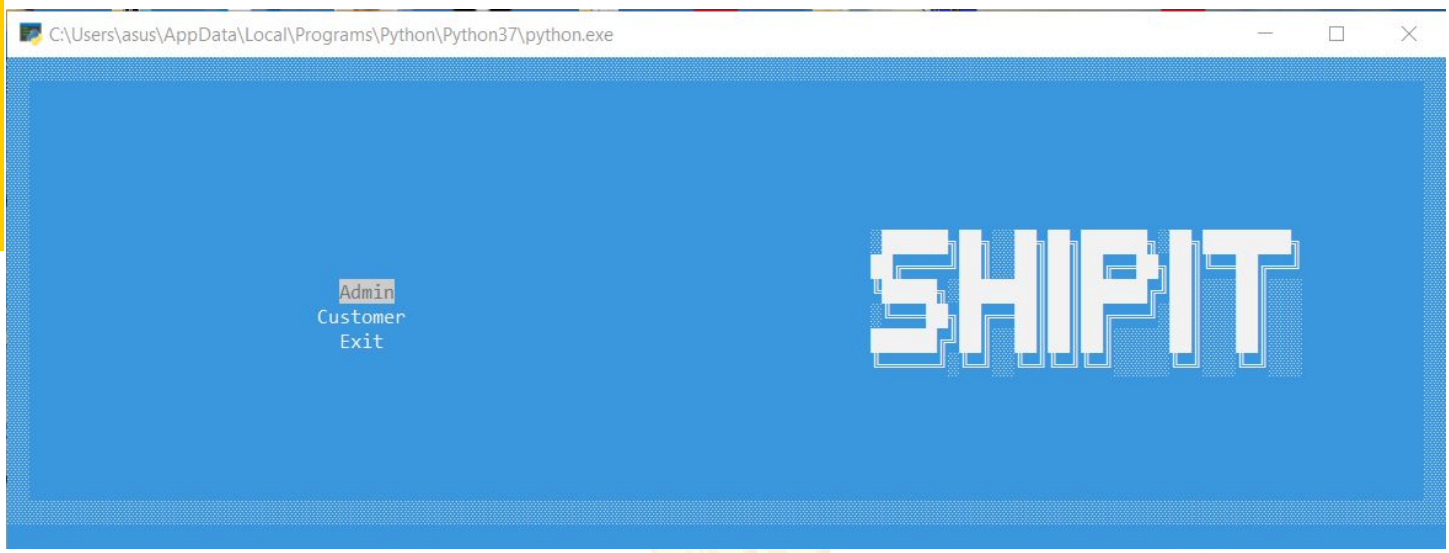
```
                    if ch7 not in [1,2,3,4,5]:
                        cprint("Invalid Input provided, please re-enter","yellow")
                        cprint("Enter a value between 1 to 5","yellow")
                        continue
                    break
                if ch7 == 5 :
                    break
                elif ch7 == 1:
                    mas = ["01","0-1  kg"]
                elif ch7 == 2:
                    mas = ["15","1-5  kg"]
                elif ch7 == 3:
                    mas = ["510","5-10 kg"]
                else :
                    mas = ["100","10+  kg"]
                cprint("")
                cprint("To edit Startprice press 1","magenta")
                cprint("To edit per km price press 2","magenta")
                cprint("To go back to main screen press 3","yellow")
                while True:
                    try:
                        ch8 = int(input())
                    except:
                        cprint("Invalid Input provided, please re-enter","yellow")
                        cprint("Enter a value between 1,2 or 3","yellow")
                        continue
                    if ch8 not in [1,2,3]:
                        cprint("Invalid Input provided, please re-enter","yellow")
                        cprint("Enter a value between 1,2 or 3","yellow")
                        continue
                    break
                if ch8 ==3 :
                    break
                elif ch8 == 2:
                    pri = ["pricekm","Price per km"]
                else:
                    pri = ["startprice","Start Price"]
                cprint("")
                cur = data["courier_prices"][ser][mas[0]][pri[0]+
userdict["courier"]]
                cprint("Current price for "+str(pri[1]),"blue")
                cprint("In mass category : "+str(mas[1]),"blue")
                cprint("for "+str(ser)+" is "+str(cur),"magenta")
                cprint("To change this press 1","magenta")
                cprint("Else going to main screen","yellow")
                ch9 = input()
                if ch9 == "1":
                    while True:
                        cprint("Enter new price")
                        newpri = float(input())
                        cprint("Press 1 to continue","magenta")
                        cprint("Press 2 to re-enter","magenta")
                        cprint("Press 3 to go back","yellow")
                        while True:
                            try:
                                ch10 = int(input())
```

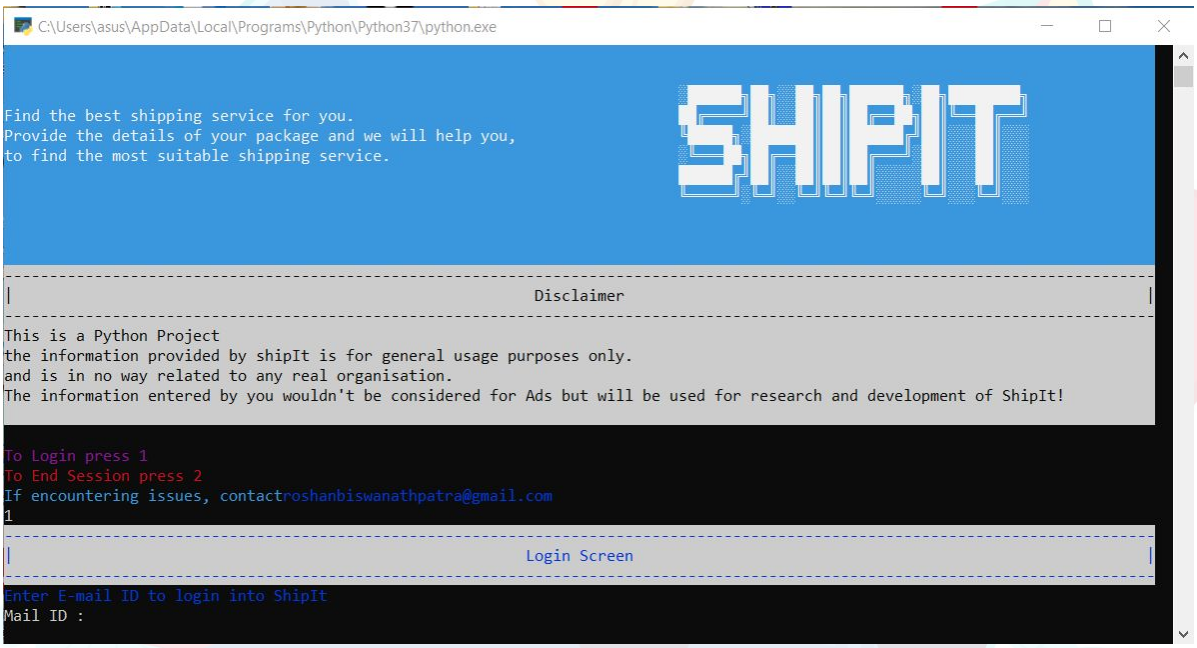
```
                            except:
                                cprint("invalid input provided","yellow")
                                cprint("Re-enter a value from 1 to 3","yellow")
                                continue
                            if ch10 not in [1,2,3]:
                                cprint("invalid input provided","yellow")
                                cprint("Re-enter a value from 1 to 3","yellow")
                                continue
                            break
                        if ch10 == 3:
                            break
                        elif ch10 == 2:
                            continue
                        else:
                            cprint("Changing price for "+str(pri[1]),"magenta")
                            cprint("In mass category : "+str(mas[1]),"magenta")
                            cprint("for "+str(ser)+" from ₹"+str(cur)+" to ₹ " +
str(newpri) ,"magenta")
                            cprint("To confirm press 1","yellow")
                            cprint("To re-enter press 2","magenta")
                            cprint("To go back press 3","yellow")
                            while True:
                                try:
                                    ch11 = int(input())
                                except:
                                    cprint("invalid input provided","yellow")
                                    cprint("Re-enter a value from 1 to 3"
,"yellow")
                                    continue
                                if ch11 not in [1,2,3]:
                                    cprint("invalid input provided","yellow")
                                    cprint("Re-enter a value from 1 to 3",
"yellow")
                                    continue
                                break
                            if ch11 == 3:
                                break
                            elif ch11 == 2:
                                continue
                            else:
                                data["courier_prices"][ser][mas[0]][pri[0]+
userdict["courier"]] = newpri
                                updatedata()
                                dataupload()
                                datadownload()
                                getdata()
                                prinow = data["courier_prices"][ser][mas[0]][
pri[0] + userdict["courier"]]
                                cprint("Price changed","blue")
                                cprint("Current price for "+str(pri[1]),"magenta")
                                cprint("In mass category : "+str(mas[1]
),"magenta")
                                cprint("for "+str(ser)+" is "+str(prinow),
"magenta")
                                break
                    cprint("To edit prices again press 1","magenta")
                    cprint("else going to main screen","cyan")
                    ch12 = input()
```

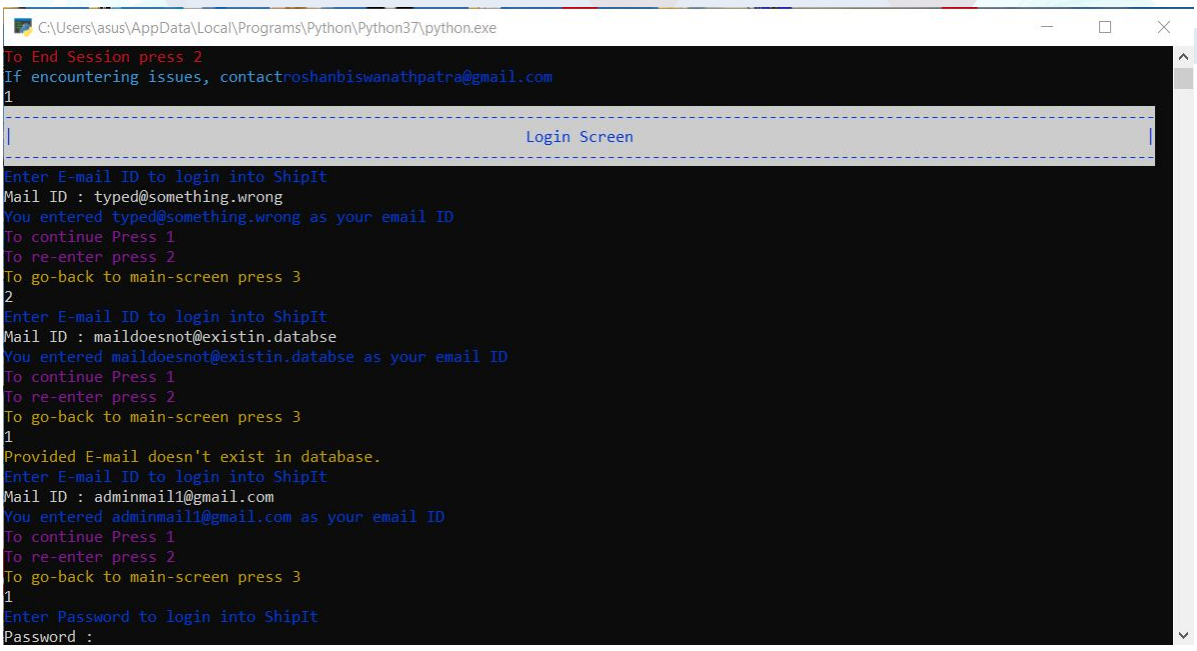
```
                    if ch12 == "1":
                        continue
                    else:
                        break
                else:
                    cprint("Going to main screen","cyan")
                    break

while True:
    logincomplete = False
    datadownload()
    try:
        getdata()
        datadownload()
    except:
        updatedata()
    updatedata()
    cprint(" "*128,"white","on_cyan")
    cprint(" "*128,"white","on_cyan")
    cprint(" "*128,"white","on_cyan")
    cprint(" "*75 ,"white","on_cyan",end="")
    cprint("
"*14,"white","on_cyan",attrs=['bold'])
    cprint("Find the best shipping service for you."+" "*(36)
,"white","on_cyan",attrs=['bold'],end="")
    cprint( "
"*14,"white","on_cyan",attrs=['bold'])
    cprint("Provide the details of your package and we will help you," + " "*18
,"white","on_cyan",attrs=['bold'],end="")
    cprint( "
"*14,"white","on_cyan",attrs=['bold'])
    cprint( "to find the most suitable shipping service."+ "
"*32,"white","on_cyan",attrs=['bold'],end="")
    cprint("
"*14,"white","on_cyan",attrs=['bold'])
    cprint(" "*75 +"
"*14,"white","on_cyan",attrs=['bold'])
    cprint(" "*75 +"
"*14,"white","on_cyan",attrs=['bold'])
    cprint(" "*128,"white","on_cyan")
    cprint(" "*128,"white","on_cyan")
    cprint(" "*128,"white","on_cyan")
    cprint("-"*128,"grey","on_white")
    cprint("|"+' '*58 + "Disclaimer" +' '*58 + "|","grey","on_white")
    cprint("-"*128,"grey","on_white")
    cprint("This is a Python Project"+" "*104,"grey","on_white")
    cprint("the information provided by shipIt is for general usage purposes
only."+" "*58,"grey","on_white")
    cprint("and is in no way related to any real organisation."+"
"*78,"grey","on_white")
    cprint("The information entered by you wouldn't be considered for Ads but will
be used for research and development of ShipIt!"+" "*10,"grey","on_white")
    cprint(" "*128,"grey","on_white")
    cprint("")
    cprint("To Login press 1","magenta")
    cprint("To End Session press 2","red")
    cprint("If encountering issues, contact","cyan",end="")
    cprint("roshanbiswanathpatra@gmail.com","blue")
```

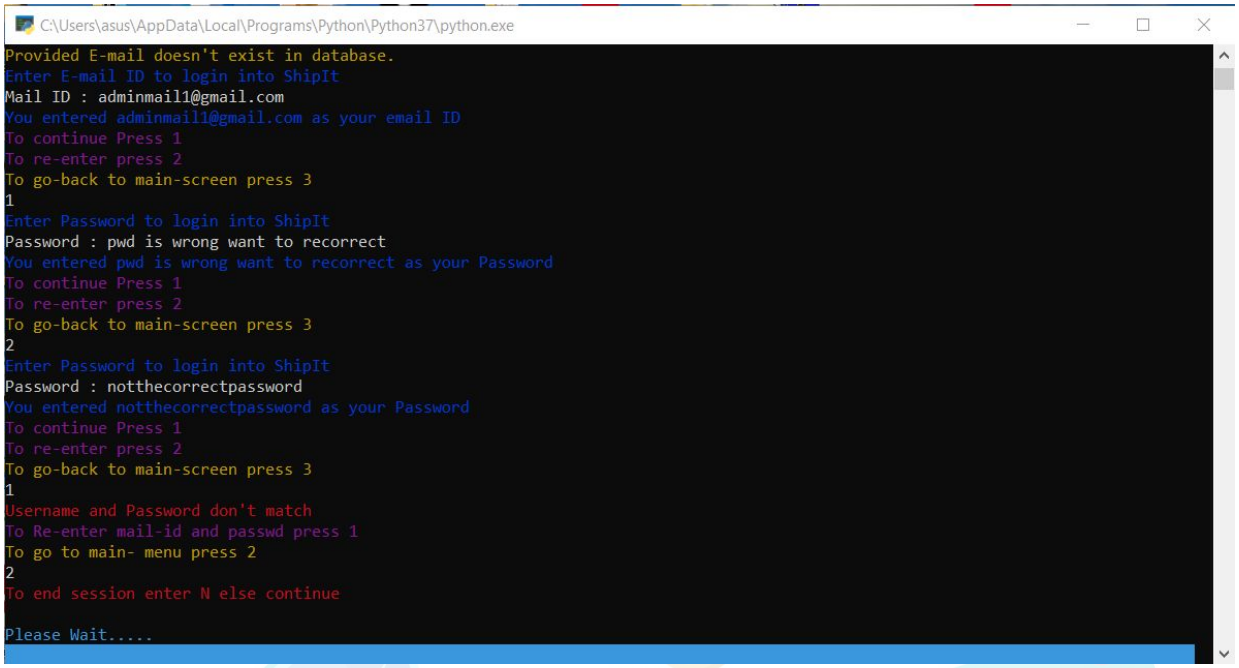
```
    while True:
        try:
            ch1 = int(input())
        except:
            cprint("You have entered invalid data","yellow")
            continue
        if ch1 not in [1,2]:
            cprint("Enter suitable value from 1 or 2","yellow")
            continue
        break
    if ch1 == 1:

        login()
    elif ch1 == 2:

        break
    cprint("To end session enter N else continue","red")
    ch2 = input()
    if ch2 in ["N","n"]:
        cprint("Program Terminated","red")

        break
    cprint("Please Wait.....","cyan")


aboutus()

#Exit Loop
while True:
    cprint("To exit press q","red")
    q = input()
    if q == "q" or q == "Q":
        break

#-------------------------------------------------------------------------------#

subprocess.call(["python.exe",  currentpath + "/main.py"])

#-------------------------------------------------------------------------------#
```

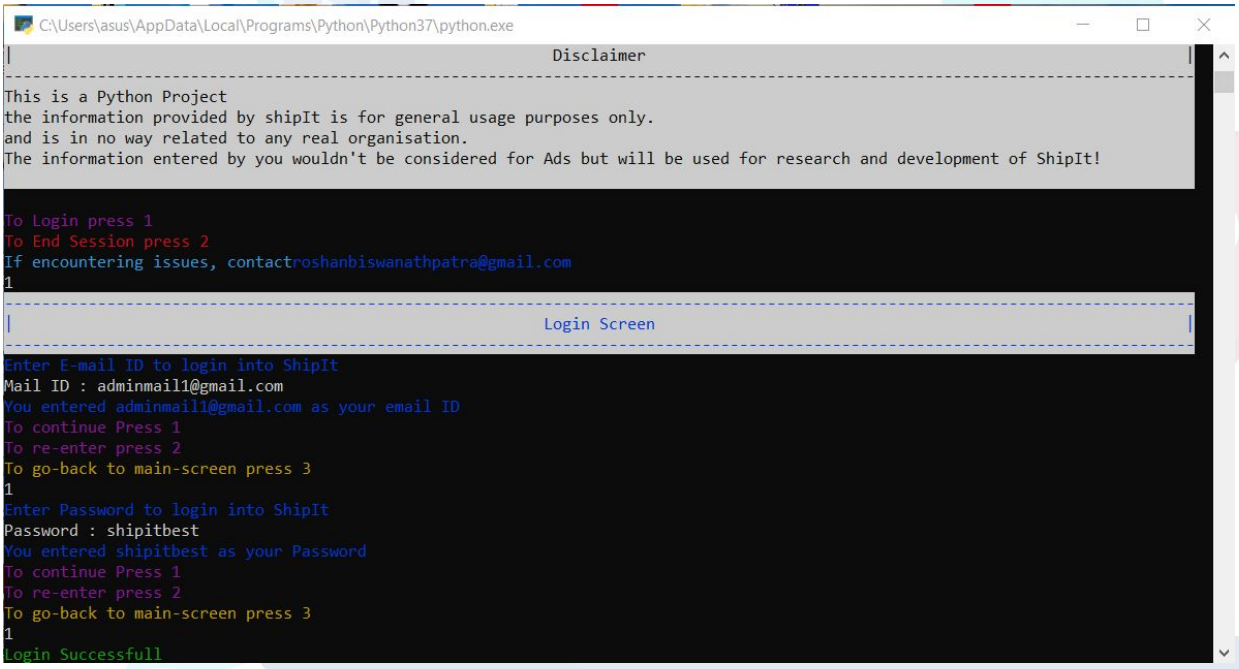
The Output

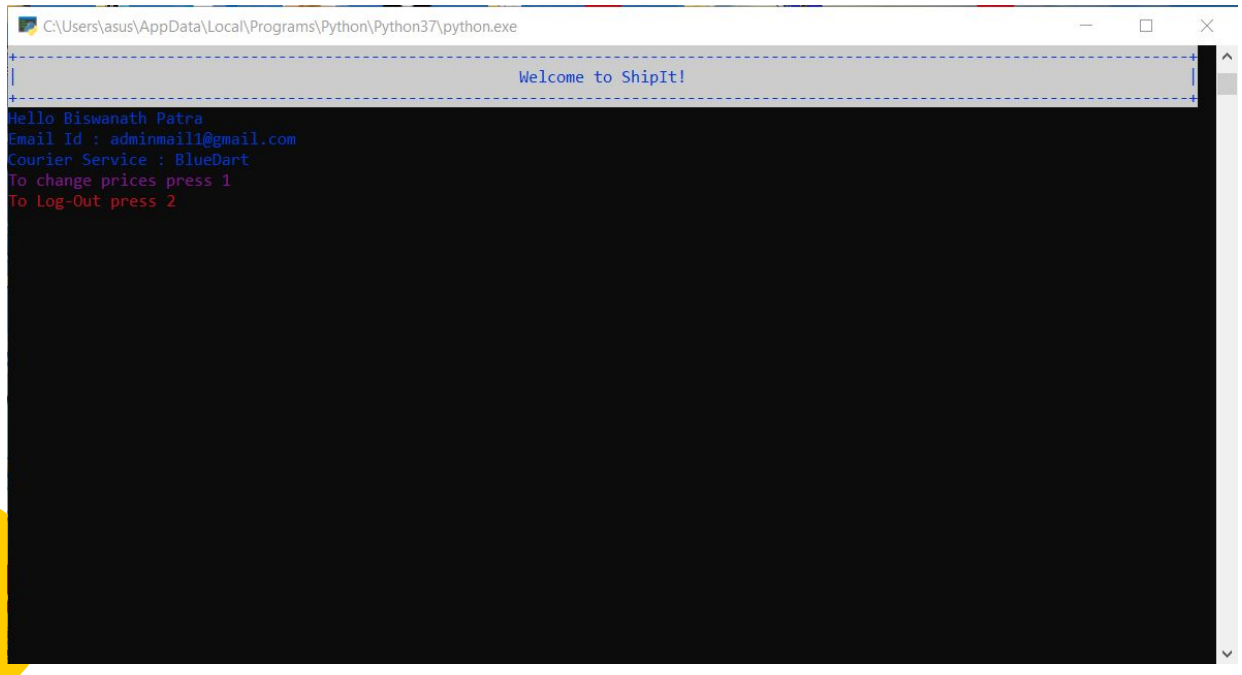

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Admin
Customer
Exit
SHIPIT

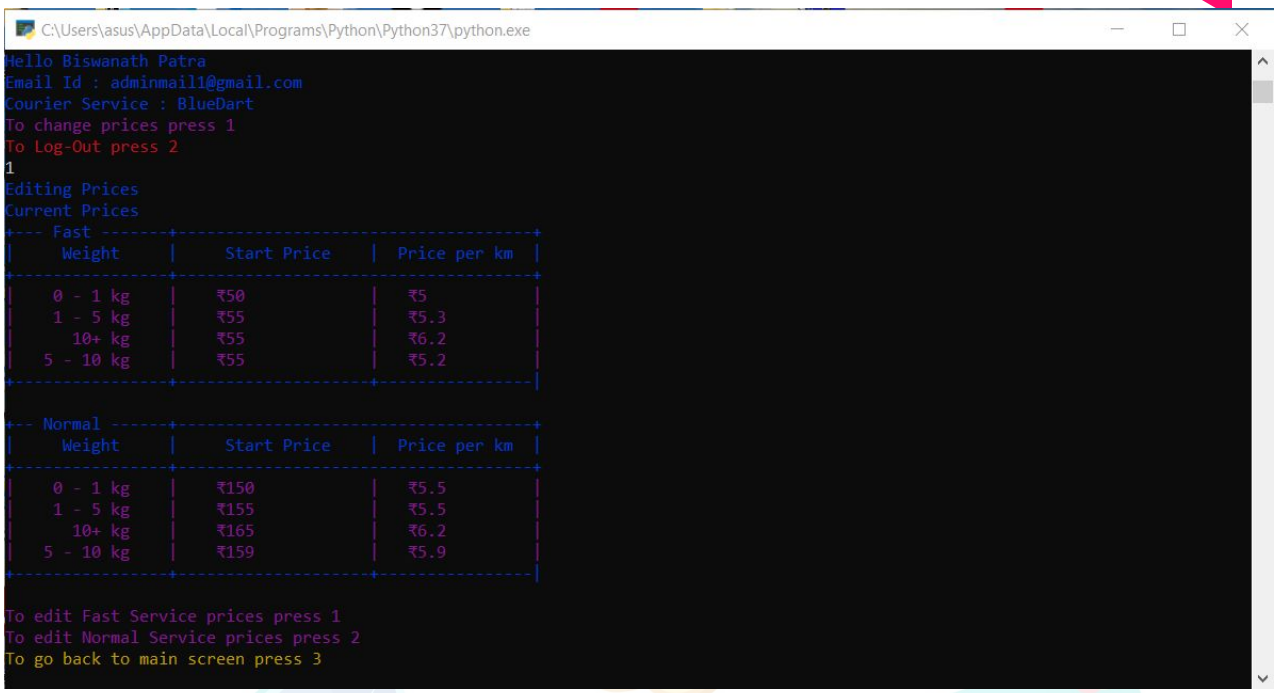

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Find the best shipping service for you.
Provide the details of your package and we will help you,
to find the most suitable shipping service.
SHIPIT
Disclaimer
This is a Python Project
the information provided by shipIt is for general usage purposes only.
and is in no way related to any real organisation.
The information entered by you wouldn't be considered for Ads but will be used for research and development of ShipIt!
To Login press 1
To End Session press 2
If encountering issues, contactroshanbiswanathpatra@gmail.com
1
Login Screen
Enter E-mail ID to login into ShipIt
Mail ID :


C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
To End Session press 2
If encountering issues, contactroshanbiswanathpatra@gmail.com
1
Login Screen
Enter E-mail ID to login into ShipIt
Mail ID : typed@something.wrong
You entered typed@something.wrong as your email ID
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
2
Enter E-mail ID to login into ShipIt
Mail ID : maildoesnot@existin.databse
You entered maildoesnot@existin.databse as your email ID
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Provided E-mail doesn't exist in database.
Enter E-mail ID to login into ShipIt
Mail ID : adminmail1@gmail.com
You entered adminmail1@gmail.com as your email ID
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Enter Password to login into ShipIt
Password :

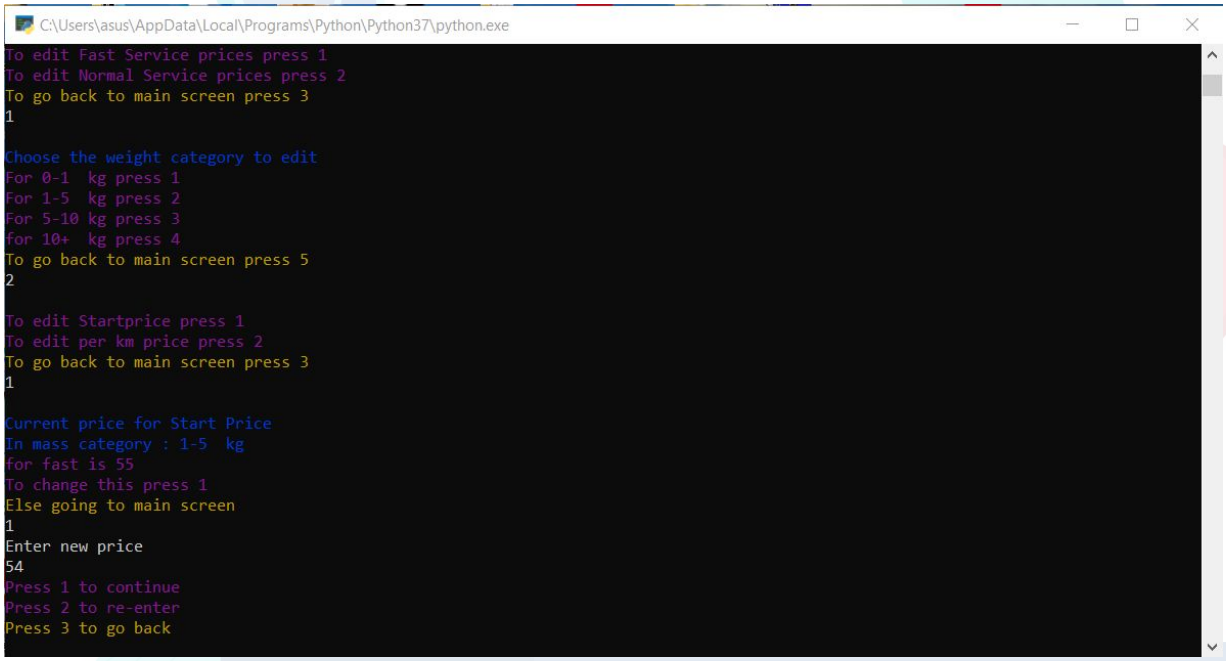

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Provided E-mail doesn't exist in database.
Enter E-mail ID to login into ShipIt
Mail ID : adminmail1@gmail.com
You entered adminmail1@gmail.com as your email ID
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Enter Password to login into ShipIt
Password : pwd is wrong want to recorrect
You entered pwd is wrong want to recorrect as your Password
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
2
Enter Password to login into ShipIt
Password : notthecorrectpassword
You entered notthecorrectpassword as your Password
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Username and Password don't match
To Re-enter mail-id and passwd press 1
To go to main- menu press 2
2
To end session enter N else continue
Please Wait.....


C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Disclaimer
This is a Python Project
the information provided by shipIt is for general usage purposes only.
and is in no way related to any real organisation.
The information entered by you wouldn't be considered for Ads but will be used for research and development of ShipIt!
To Login press 1
To End Session press 2
If encountering issues, contactroshanbiswanathpatra@gmail.com
1
Login Screen
Enter E-mail ID to login into ShipIt
Mail ID : adminmail1@gmail.com
You entered adminmail1@gmail.com as your email ID
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Enter Password to login into ShipIt
Password : shipitbest
You entered shipitbest as your Password
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Login Successfull

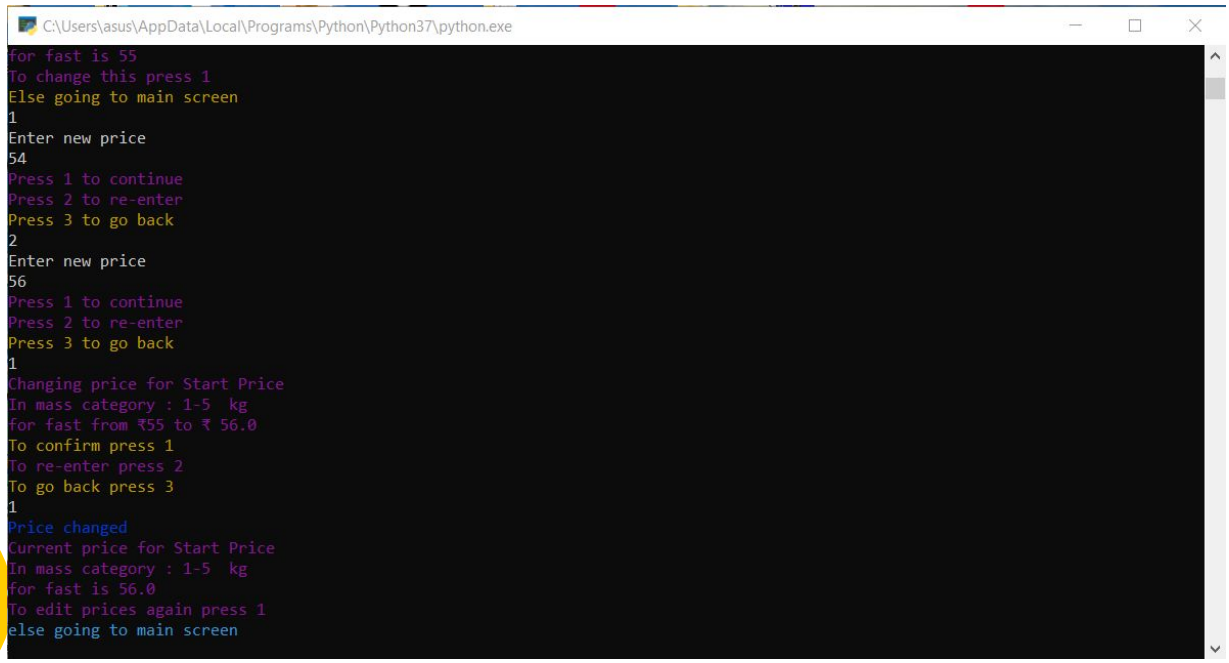

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Welcome to ShipIt!
Hello Biswanath Patra
Email Id : adminmail1@gmail.com
Courier Service : BlueDart
To change prices press 1
To Log-Out press 2



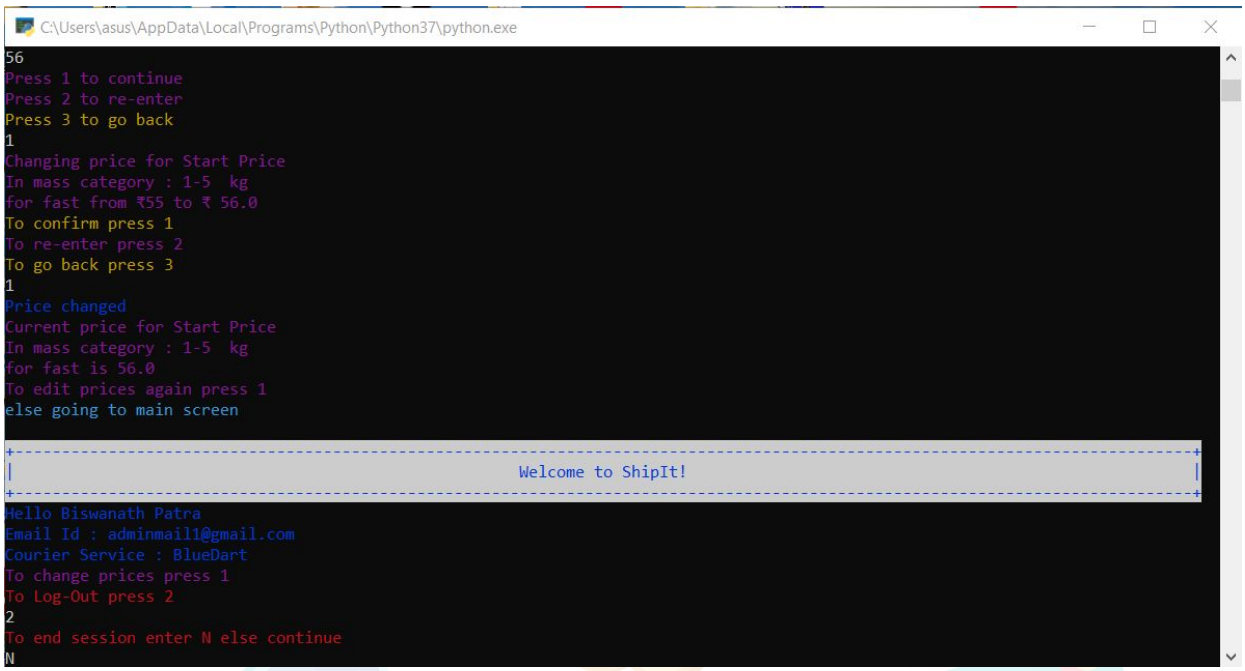
```
C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Hello Biswanath Patra
Email Id : adminmail1@gmail.com
Courier Service : BlueDart
To change prices press 1
To Log-Out press 2
1
Editing Prices
Current Prices
+--- Fast -------+-------------------------------------+
|     Weight     |     Start Price     |  Price per km  |
+----------------+---------------------+----------------+
|    0 - 1 kg    |    ₹50              |   ₹5           |
|    1 - 5 kg    |    ₹55              |   ₹5.3         |
|      10+ kg    |    ₹55              |   ₹6.2         |
|   5 - 10 kg    |    ₹55              |   ₹5.2         |
+----------------+---------------------+----------------+

+--- Normal ------+-------------------------------------+
|     Weight     |     Start Price     |  Price per km  |
+----------------+---------------------+----------------+
|    0 - 1 kg    |    ₹150             |   ₹5.5         |
|    1 - 5 kg    |    ₹155             |   ₹5.5         |
|      10+ kg    |    ₹165             |   ₹6.2         |
|   5 - 10 kg    |    ₹159             |   ₹5.9         |
+----------------+---------------------+----------------+

To edit Fast Service prices press 1
To edit Normal Service prices press 2
To go back to main screen press 3
```

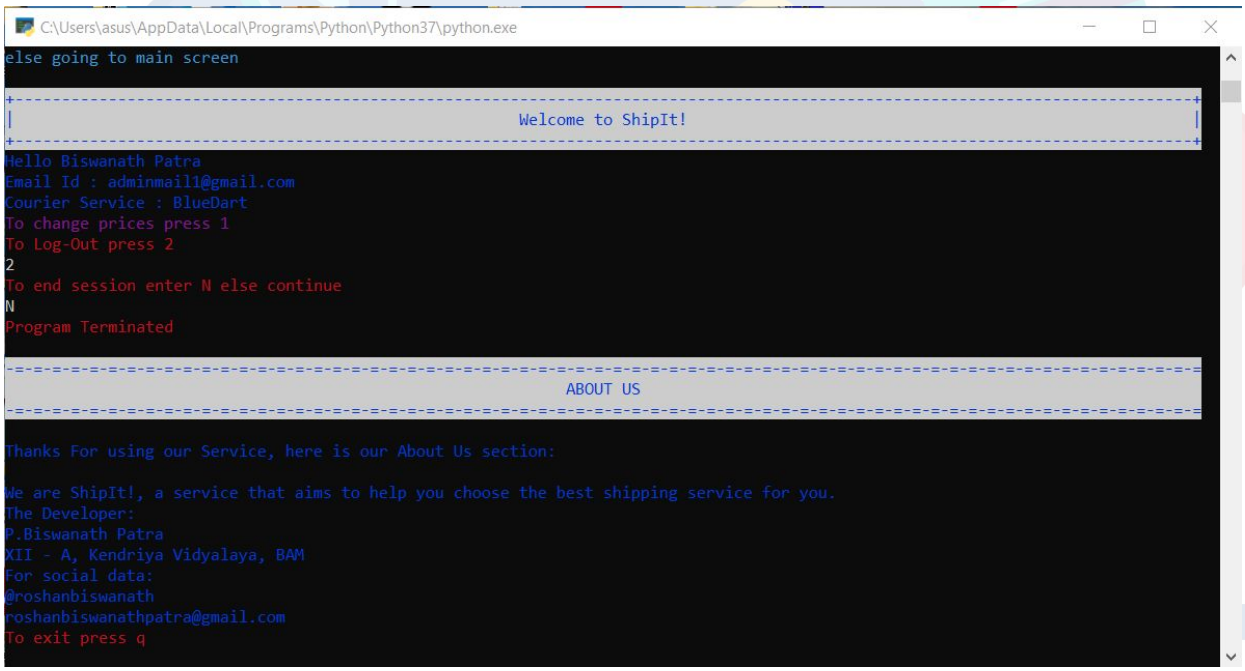


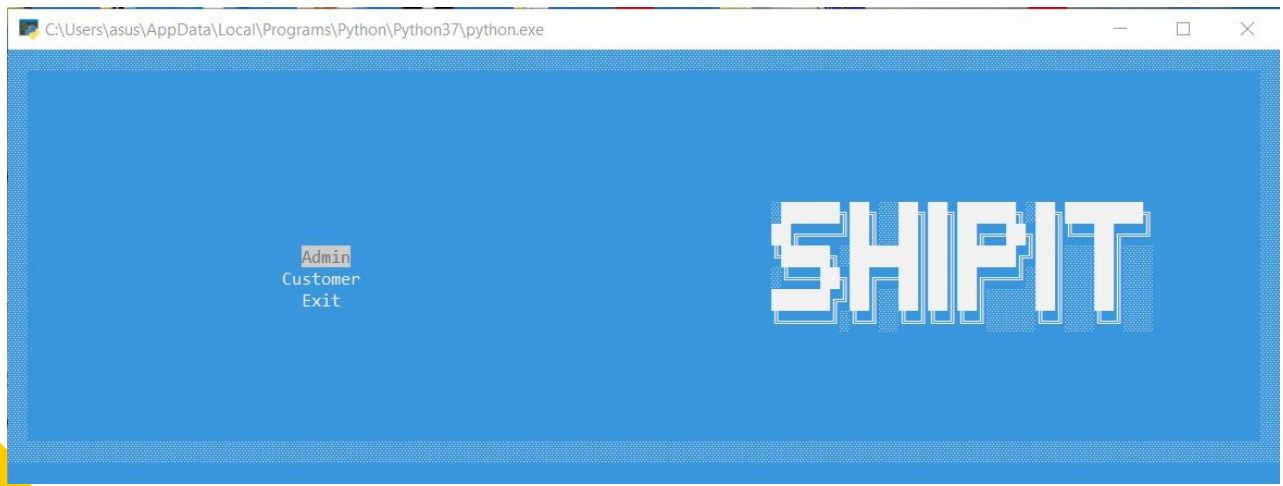
```
C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
To edit Fast Service prices press 1
To edit Normal Service prices press 2
To go back to main screen press 3
1

Choose the weight category to edit
For 0-1  kg press 1
For 1-5  kg press 2
For 5-10 kg press 3
for 10+  kg press 4
To go back to main screen press 5
2

To edit Startprice press 1
To edit per km price press 2
To go back to main screen press 3
1

Current price for Start Price
In mass category : 1-5  kg
for fast is 55
To change this press 1
Else going to main screen
1
Enter new price
54
Press 1 to continue
Press 2 to re-enter
Press 3 to go back
```

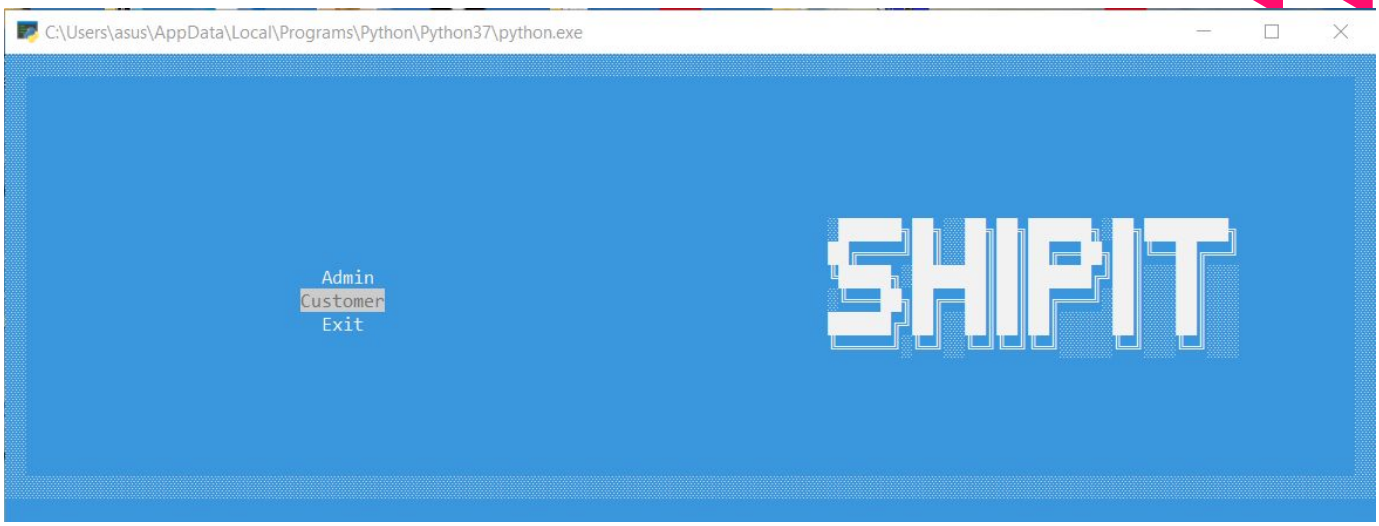


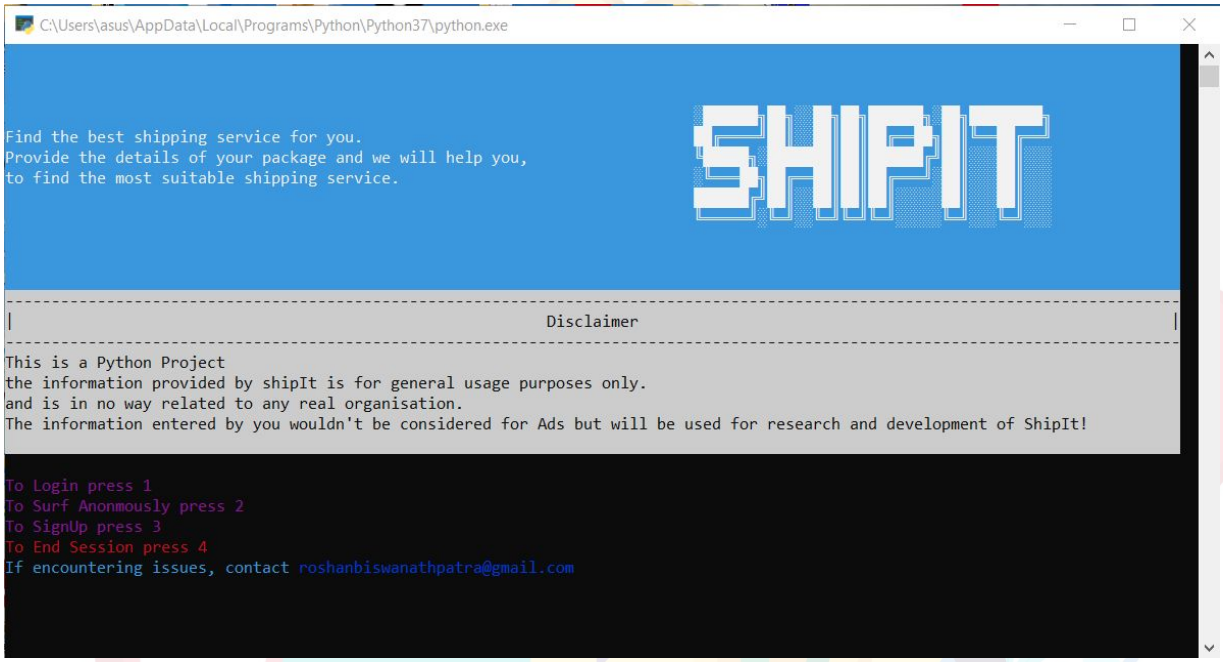
```
C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
for fast is 55
To change this press 1
Else going to main screen
1
Enter new price
54
Press 1 to continue
Press 2 to re-enter
Press 3 to go back
2
Enter new price
56
Press 1 to continue
Press 2 to re-enter
Press 3 to go back
1
Changing price for Start Price
In mass category : 1-5  kg
for fast from ₹55 to ₹ 56.0
To confirm press 1
To re-enter press 2
To go back press 3
1
Price changed
Current price for Start Price
In mass category : 1-5  kg
for fast is 56.0
To edit prices again press 1
else going to main screen
```

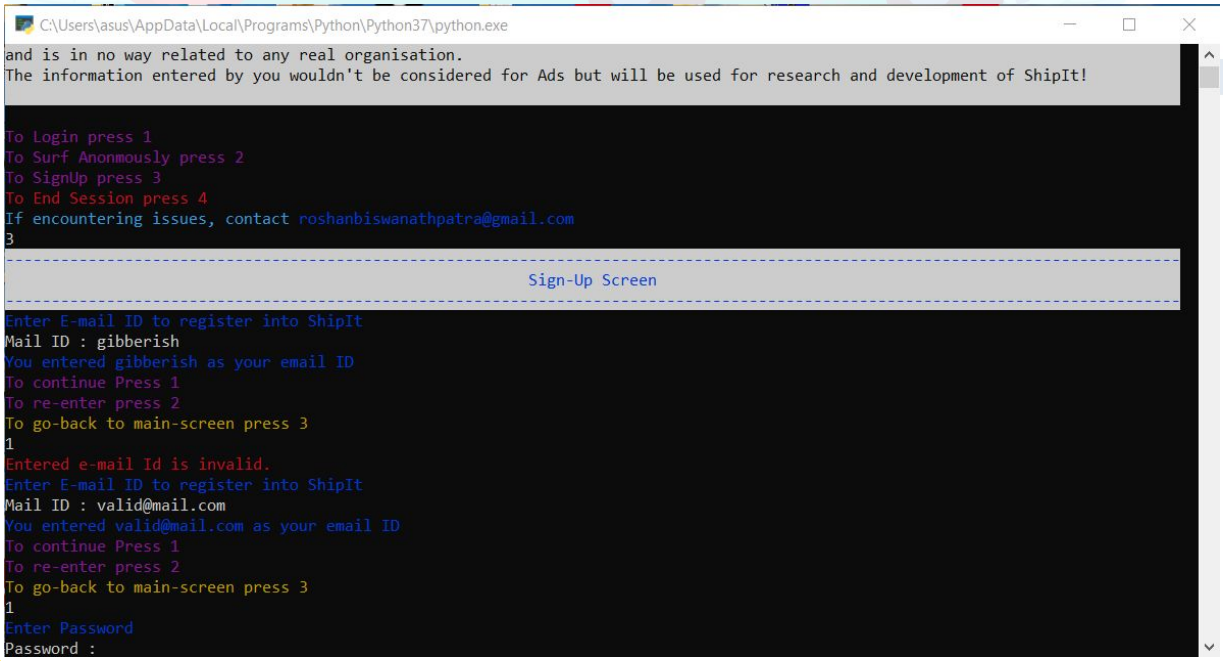

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
56
Press 1 to continue
Press 2 to re-enter
Press 3 to go back
1
Changing price for Start Price
In mass category : 1-5 kg
for fast from ₹55 to ₹ 56.0
To confirm press 1
To re-enter press 2
To go back press 3
1
Price changed
Current price for Start Price
In mass category : 1-5 kg
for fast is 56.0
To edit prices again press 1
else going to main screen
Welcome to ShipIt!
Hello Biswanath Patra
Email Id : adminmail1@gmail.com
Courier Service : BlueDart
To change prices press 1
To Log-Out press 2
2
To end session enter N else continue
N

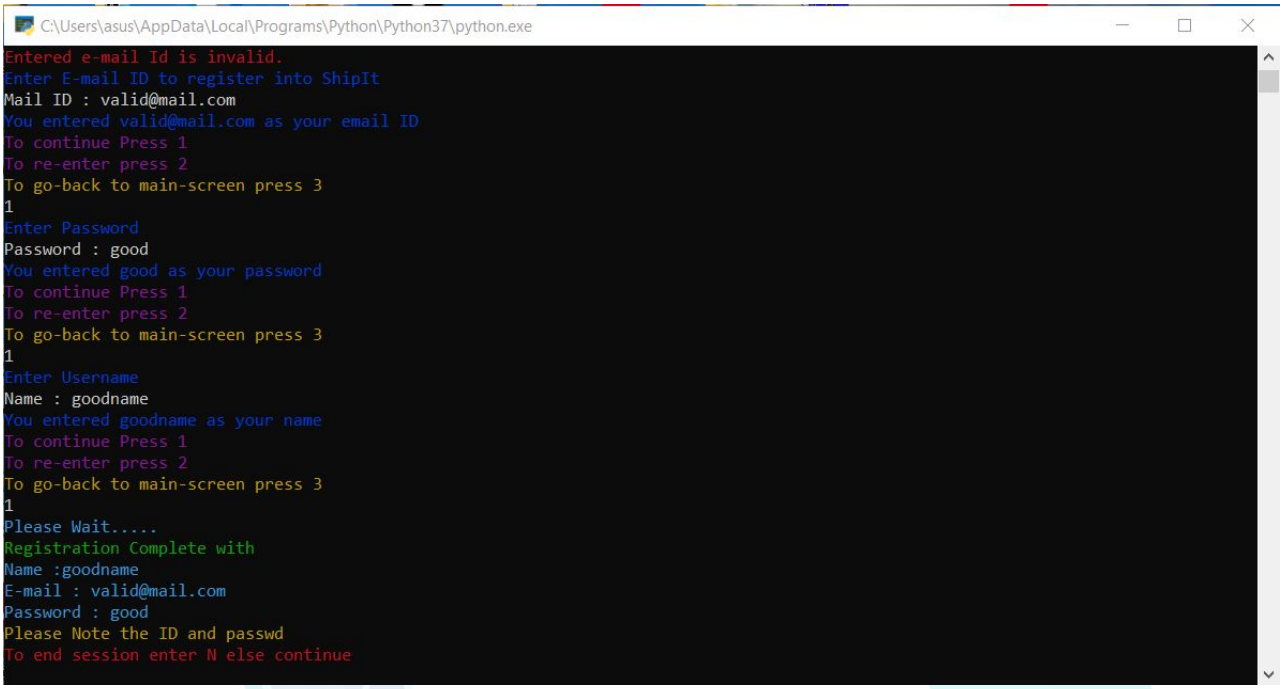

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
else going to main screen
Welcome to ShipIt!
Hello Biswanath Patra
Email Id : adminmail1@gmail.com
Courier Service : BlueDart
To change prices press 1
To Log-Out press 2
2
To end session enter N else continue
N
Program Terminated
ABOUT US
Thanks For using our Service, here is our About Us section:
We are ShipIt!, a service that aims to help you choose the best shipping service for you.
The Developer:
P.Biswanath Patra
XII - A, Kendriya Vidyalaya, BAM
For social data:
@roshanbiswanath
roshanbiswanathpatra@gmail.com
To exit press q

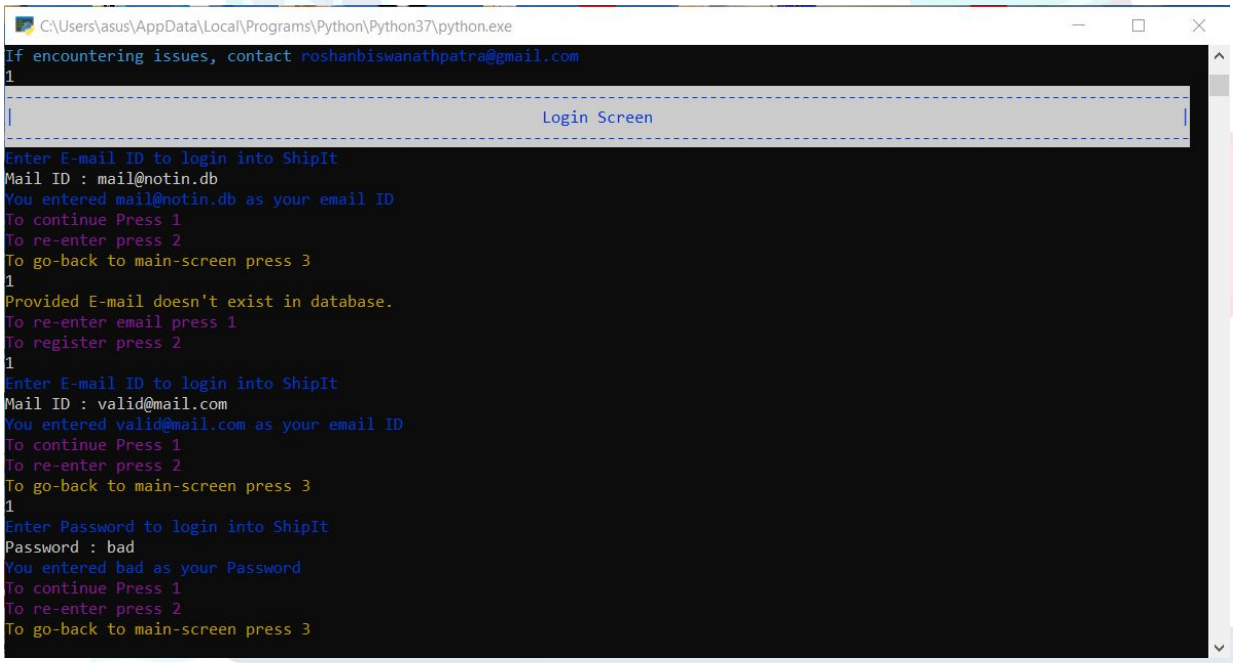

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Admin
Customer
Exit
SHIPIT

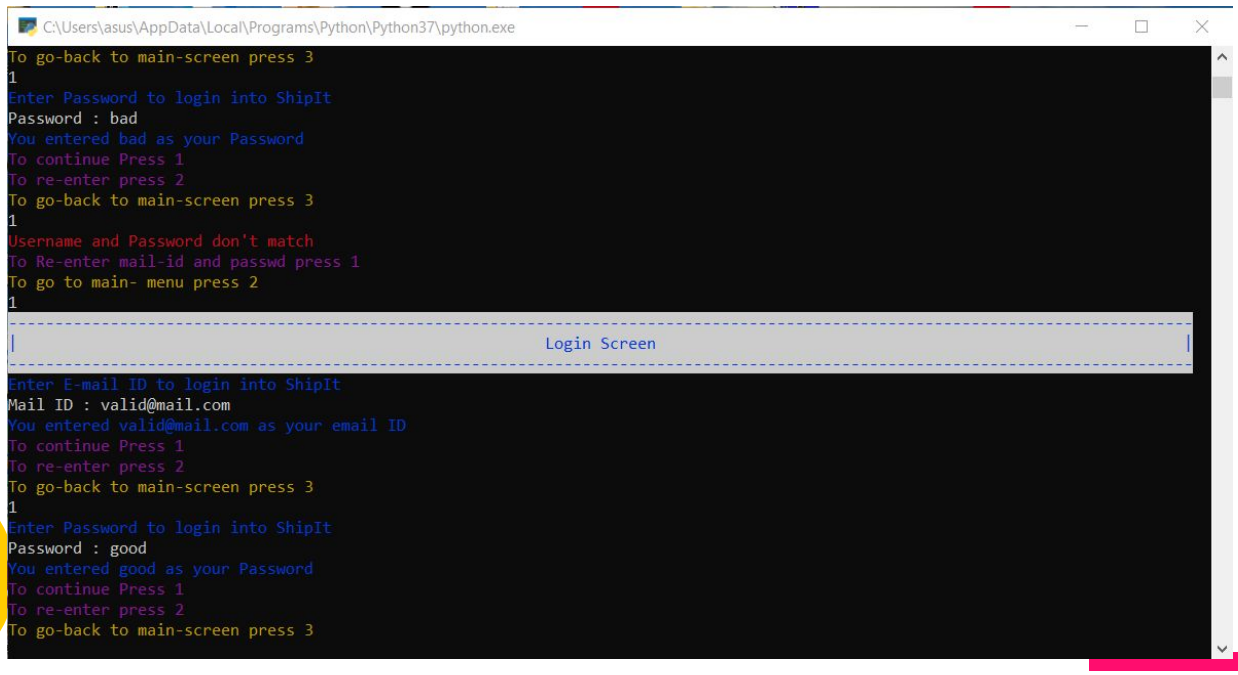

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Admin
Customer
Exit
SHIPIT

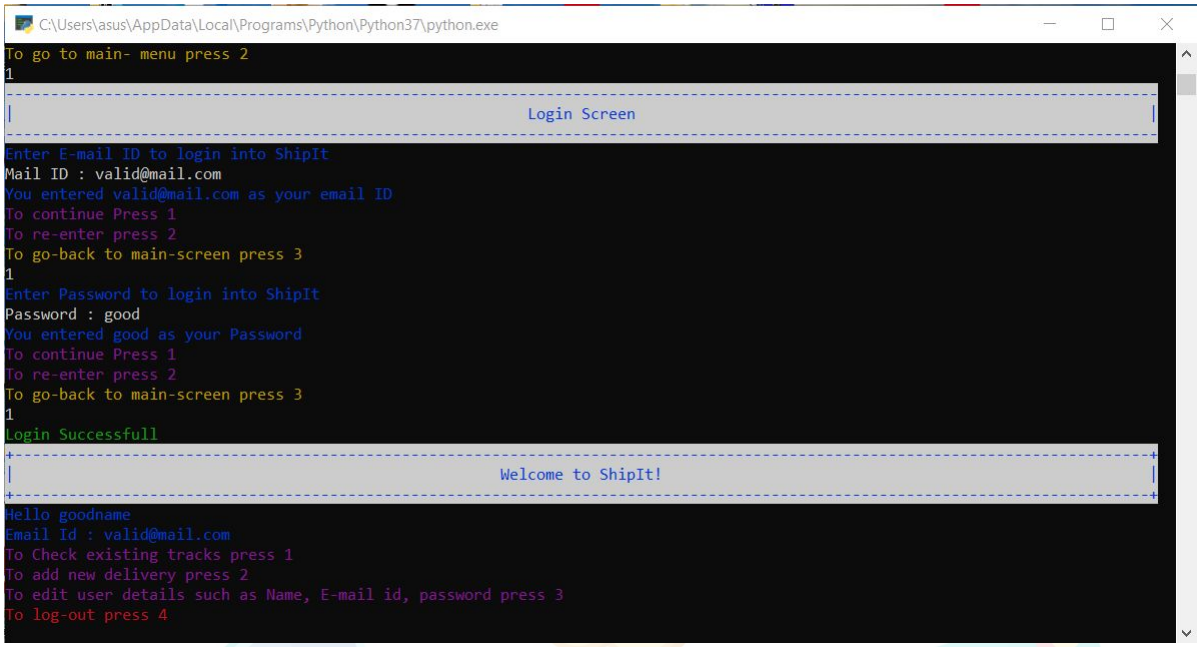

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Find the best shipping service for you.
Provide the details of your package and we will help you,
to find the most suitable shipping service.
SHIPIT
Disclaimer
This is a Python Project
the information provided by shipIt is for general usage purposes only.
and is in no way related to any real organisation.
The information entered by you wouldn't be considered for Ads but will be used for research and development of ShipIt!
To Login press 1
To Surf Anonmously press 2
To SignUp press 3
To End Session press 4
If encountering issues, contact roshanbiswanathpatra@gmail.com

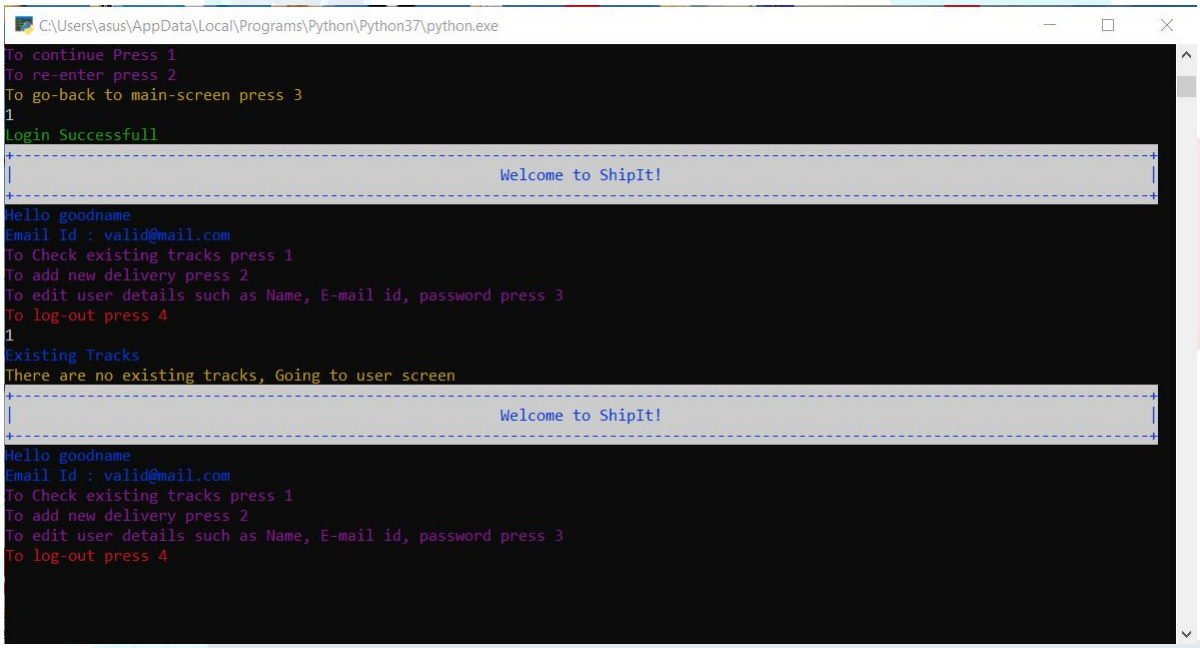

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
and is in no way related to any real organisation.
The information entered by you wouldn't be considered for Ads but will be used for research and development of ShipIt!
To Login press 1
To Surf Anonmously press 2
To SignUp press 3
To End Session press 4
If encountering issues, contact roshanbiswanathpatra@gmail.com
3
Sign-Up Screen
Enter E-mail ID to register into ShipIt
Mail ID : gibberish
You entered gibberish as your email ID
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Entered e-mail Id is invalid.
Enter E-mail ID to register into ShipIt
Mail ID : valid@mail.com
You entered valid@mail.com as your email ID
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Enter Password
Password :

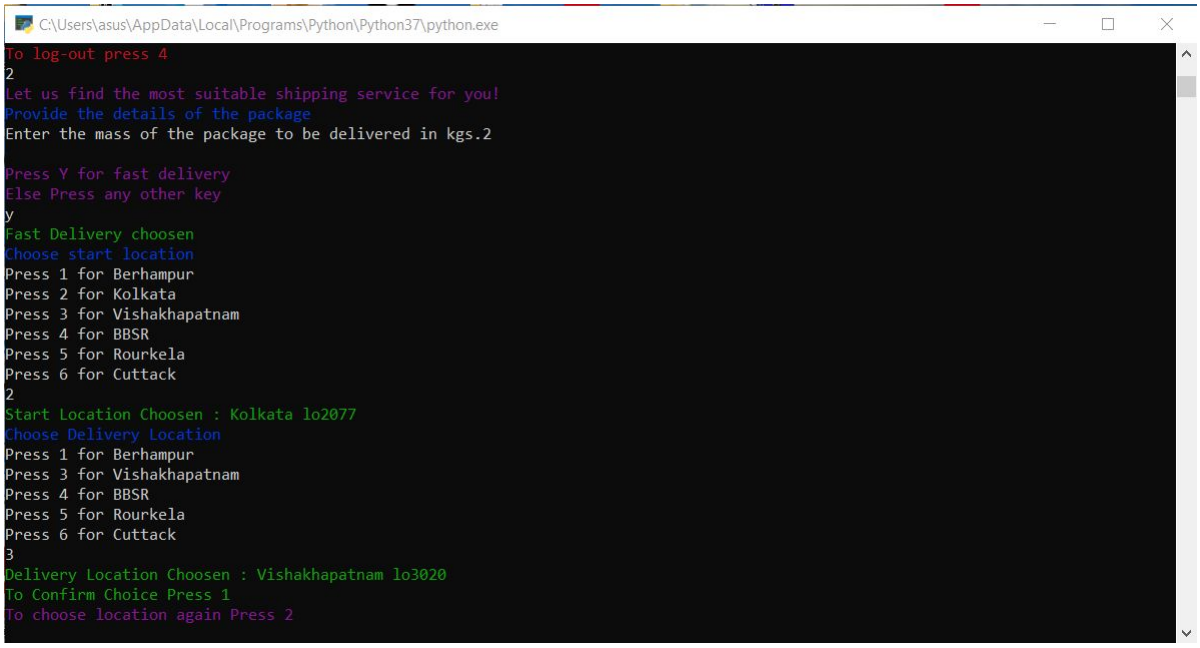

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Entered e-mail Id is invalid.
Enter E-mail ID to register into ShipIt
Mail ID : valid@mail.com
You entered valid@mail.com as your email ID
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Enter Password
Password : good
You entered good as your password
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Enter Username
Name : goodname
You entered goodname as your name
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Please Wait.....
Registration Complete with
Name :goodname
E-mail : valid@mail.com
Password : good
Please Note the ID and passwd
To end session enter N else continue

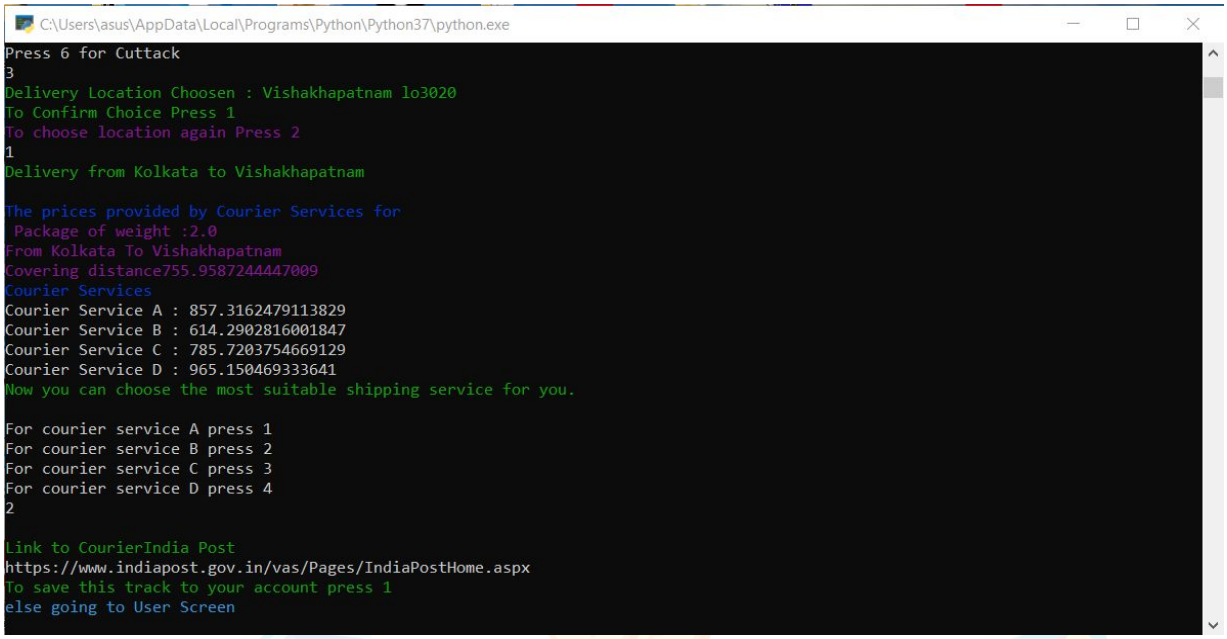

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
If encountering issues, contact roshanbiswanathpatra@gmail.com
1
Login Screen
Enter E-mail ID to login into ShipIt
Mail ID : mail@notin.db
You entered mail@notin.db as your email ID
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Provided E-mail doesn't exist in database.
To re-enter email press 1
To register press 2
1
Enter E-mail ID to login into ShipIt
Mail ID : valid@mail.com
You entered valid@mail.com as your email ID
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Enter Password to login into ShipIt
Password : bad
You entered bad as your Password
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3

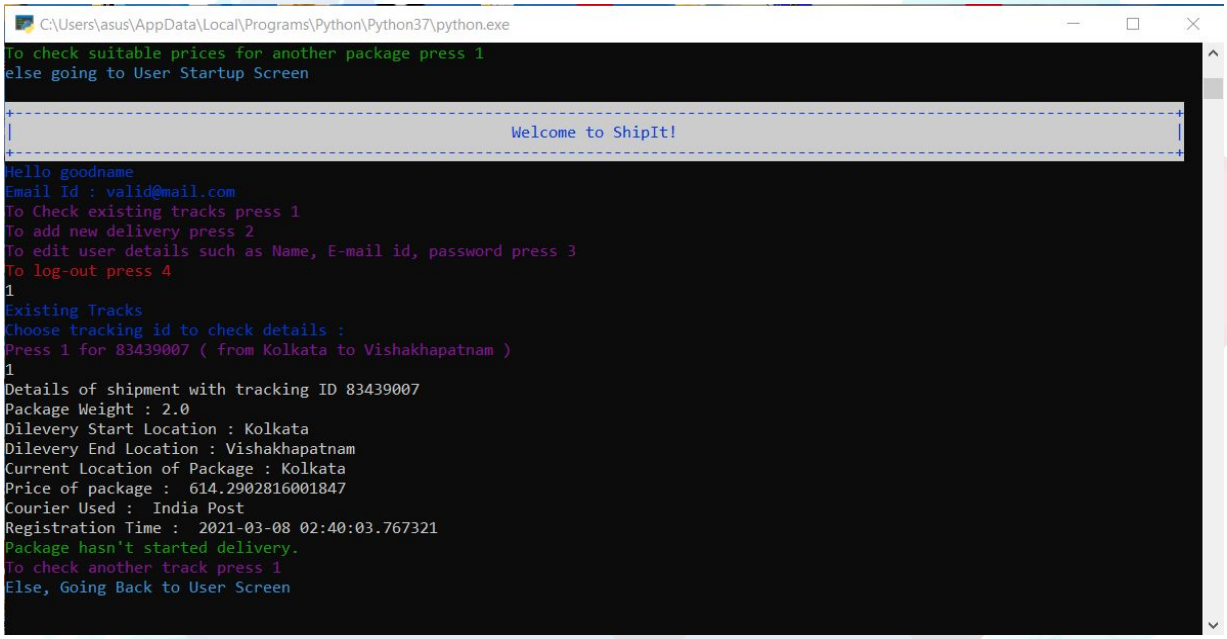

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
To go-back to main-screen press 3
1
Enter Password to login into ShipIt
Password : bad
You entered bad as your Password
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Username and Password don't match
To Re-enter mail-id and passwd press 1
To go to main- menu press 2
1
Login Screen
Enter E-mail ID to login into ShipIt
Mail ID : valid@mail.com
You entered valid@mail.com as your email ID
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Enter Password to login into ShipIt
Password : good
You entered good as your Password
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3

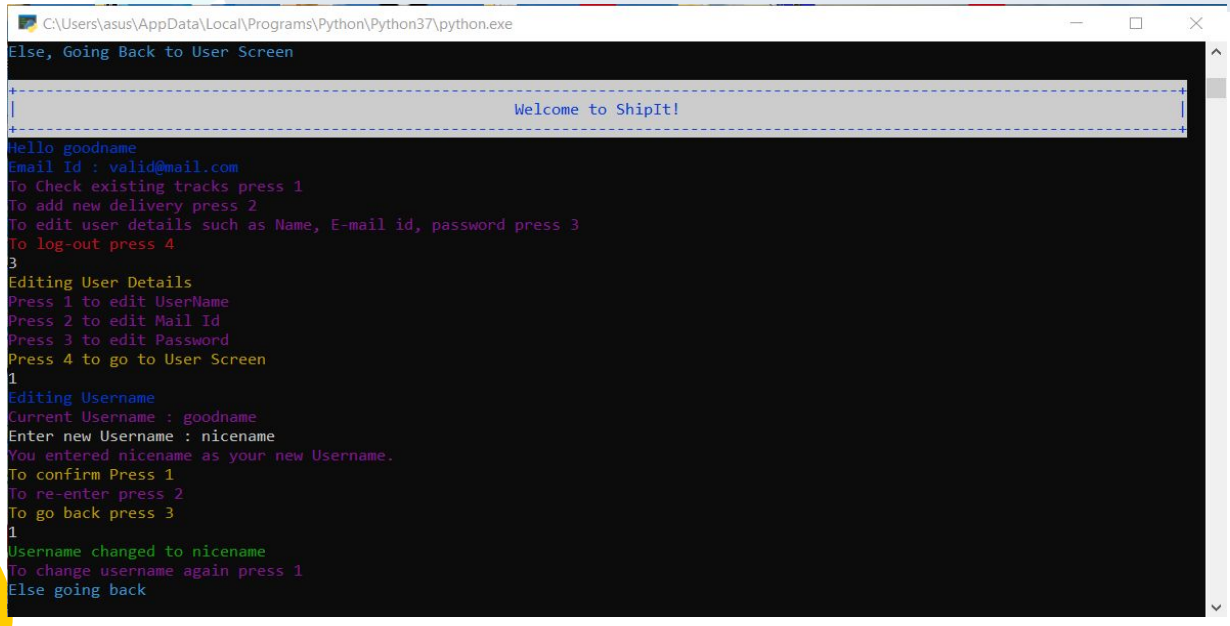

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
To go to main- menu press 2
1
Login Screen
Enter E-mail ID to login into ShipIt
Mail ID : valid@mail.com
You entered valid@mail.com as your email ID
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Enter Password to login into ShipIt
Password : good
You entered good as your Password
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Login Successfull
Welcome to ShipIt!
Hello goodname
Email Id : valid@mail.com
To Check existing tracks press 1
To add new delivery press 2
To edit user details such as Name, E-mail id, password press 3
To log-out press 4

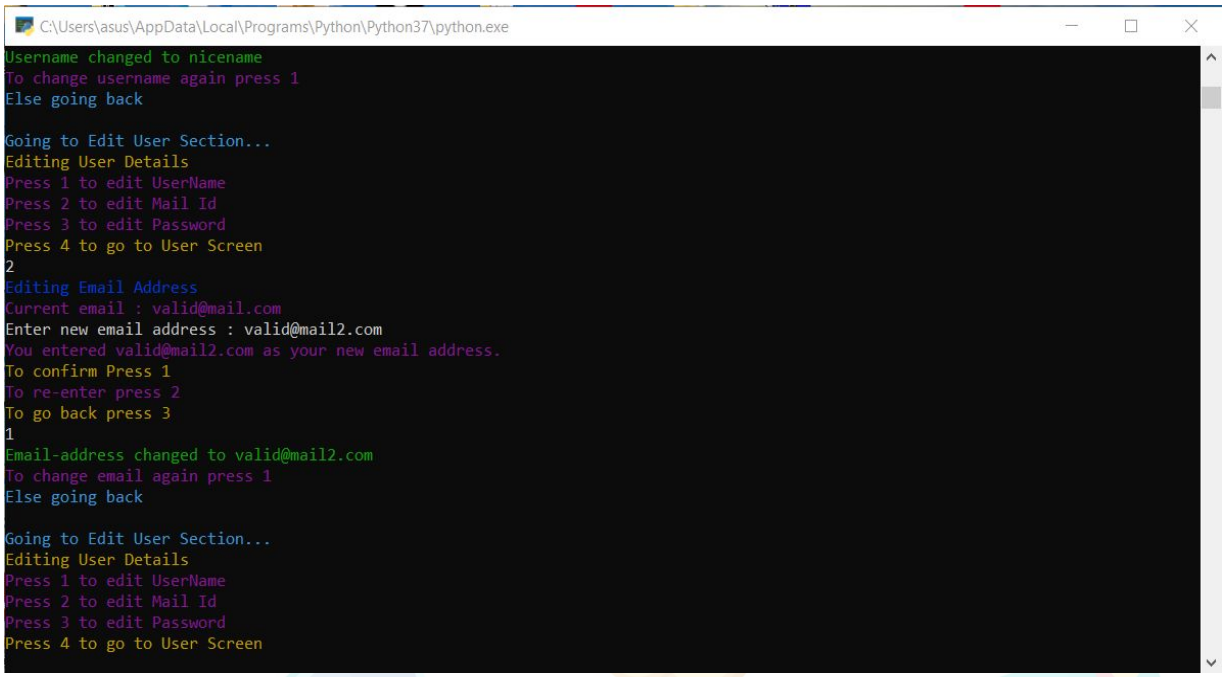

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
To continue Press 1
To re-enter press 2
To go-back to main-screen press 3
1
Login Successfull
Welcome to ShipIt!
Hello goodname
Email Id : valid@mail.com
To Check existing tracks press 1
To add new delivery press 2
To edit user details such as Name, E-mail id, password press 3
To log-out press 4
1
Existing Tracks
There are no existing tracks, Going to user screen
Welcome to ShipIt!
Hello goodname
Email Id : valid@mail.com
To Check existing tracks press 1
To add new delivery press 2
To edit user details such as Name, E-mail id, password press 3
To log-out press 4

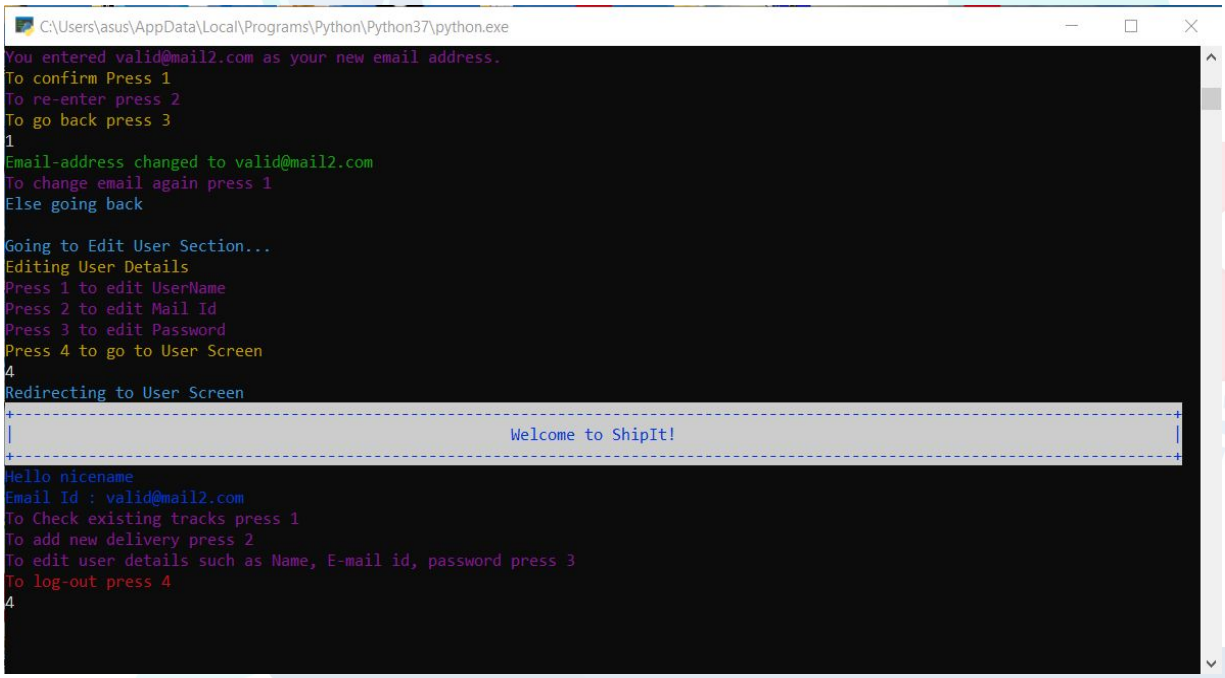

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
To log-out press 4
2
Let us find the most suitable shipping service for you!
Provide the details of the package
Enter the mass of the package to be delivered in kgs.2
Press Y for fast delivery
Else Press any other key
y
Fast Delivery choosen
Choose start location
Press 1 for Berhampur
Press 2 for Kolkata
Press 3 for Vishakhapatnam
Press 4 for BBSR
Press 5 for Rourkela
Press 6 for Cuttack
2
Start Location Choosen : Kolkata lo2077
Choose Delivery Location
Press 1 for Berhampur
Press 3 for Vishakhapatnam
Press 4 for BBSR
Press 5 for Rourkela
Press 6 for Cuttack
3
Delivery Location Choosen : Vishakhapatnam lo3020
To Confirm Choice Press 1
To choose location again Press 2

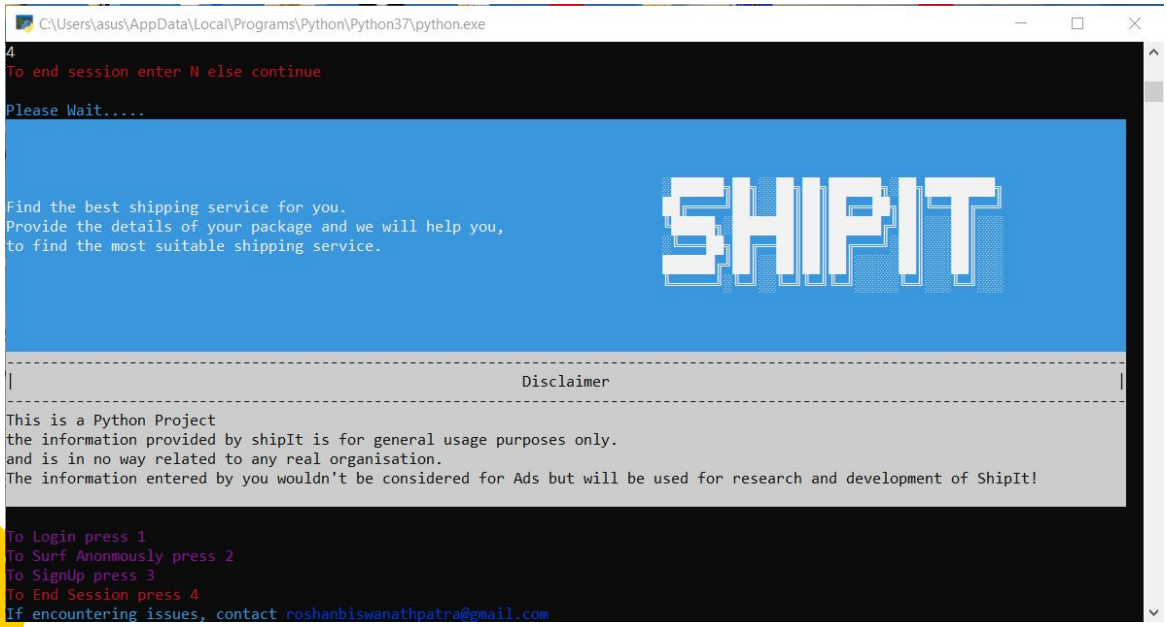

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Press 6 for Cuttack
3
Delivery Location Choosen : Vishakhapatnam lo3020
To Confirm Choice Press 1
To choose location again Press 2
1
Delivery from Kolkata to Vishakhapatnam
The prices provided by Courier Services for
Package of weight :2.0
From Kolkata To Vishakhapatnam
Covering distance755.9587244447009
Courier Services
Courier Service A : 857.3162479113829
Courier Service B : 614.2902816001847
Courier Service C : 785.7203754669129
Courier Service D : 965.150469333641
Now you can choose the most suitable shipping service for you.
For courier service A press 1
For courier service B press 2
For courier service C press 3
For courier service D press 4
2
Link to CourierIndia Post
https://www.indiapost.gov.in/vas/Pages/IndiaPostHome.aspx
To save this track to your account press 1
else going to User Screen

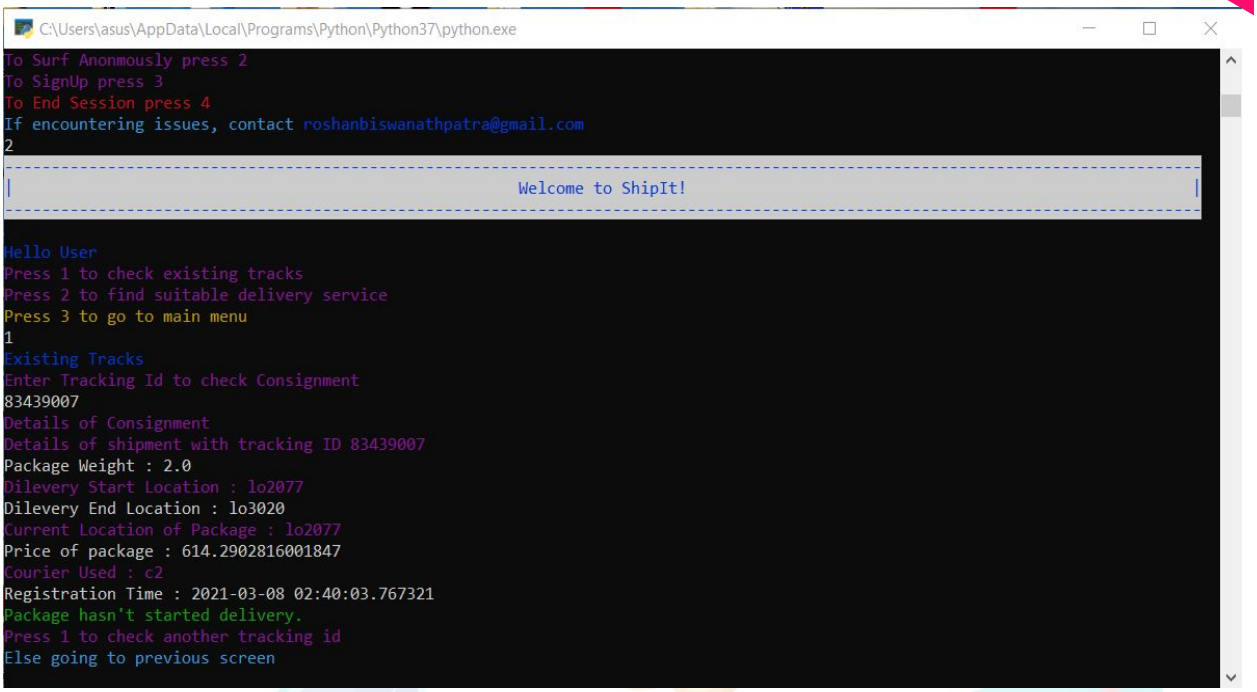

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
To check suitable prices for another package press 1
else going to User Startup Screen
Welcome to ShipIt!
Hello goodname
Email Id : valid@mail.com
To Check existing tracks press 1
To add new delivery press 2
To edit user details such as Name, E-mail id, password press 3
To log-out press 4
1
Existing Tracks
Choose tracking id to check details :
Press 1 for 83439007 (from Kolkata to Vishakhapatnam)
1
Details of shipment with tracking ID 83439007
Package Weight : 2.0
Dilevery Start Location : Kolkata
Dilevery End Location : Vishakhapatnam
Current Location of Package : Kolkata
Price of package : 614.2902816001847
Courier Used : India Post
Registration Time : 2021-03-08 02:40:03.767321
Package hasn't started delivery.
To check another track press 1
Else, Going Back to User Screen

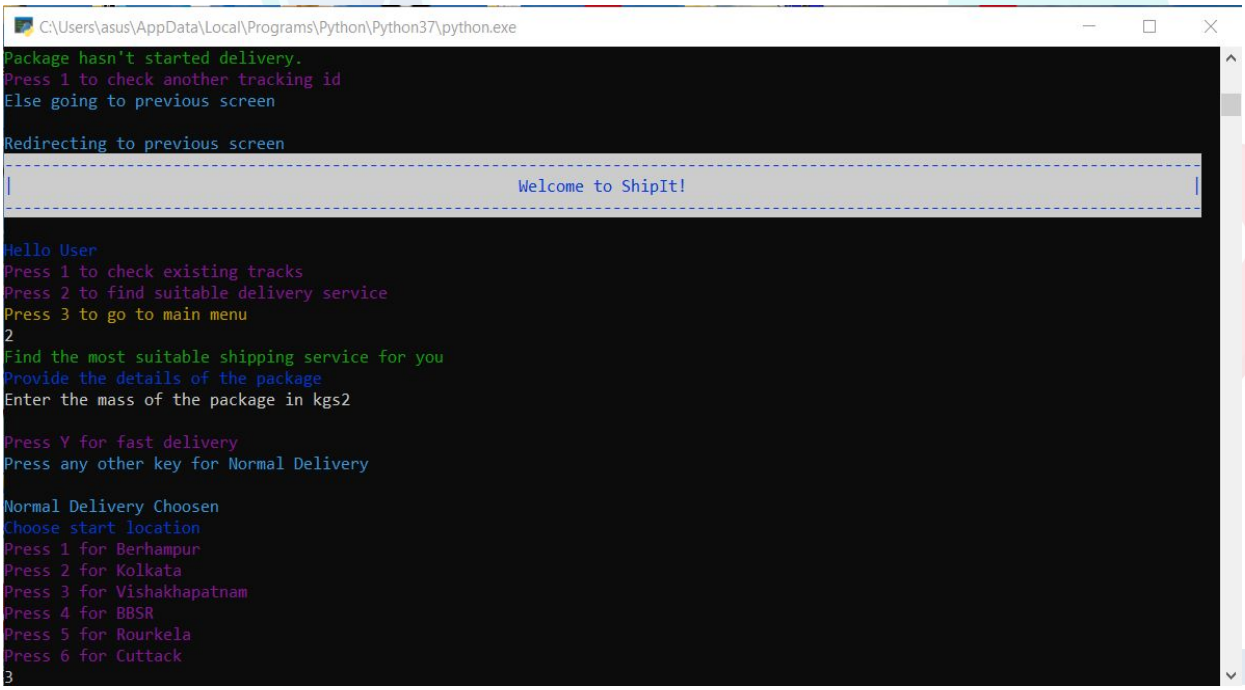

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Else, Going Back to User Screen
Welcome to ShipIt!
Hello goodname
Email Id : valid@mail.com
To Check existing tracks press 1
To add new delivery press 2
To edit user details such as Name, E-mail id, password press 3
To log-out press 4
3
Editing User Details
Press 1 to edit UserName
Press 2 to edit Mail Id
Press 3 to edit Password
Press 4 to go to User Screen
1
Editing Username
Current Username : goodname
Enter new Username : nicename
You entered nicename as your new Username.
To confirm Press 1
To re-enter press 2
To go back press 3
1
Username changed to nicename
To change username again press 1
Else going back

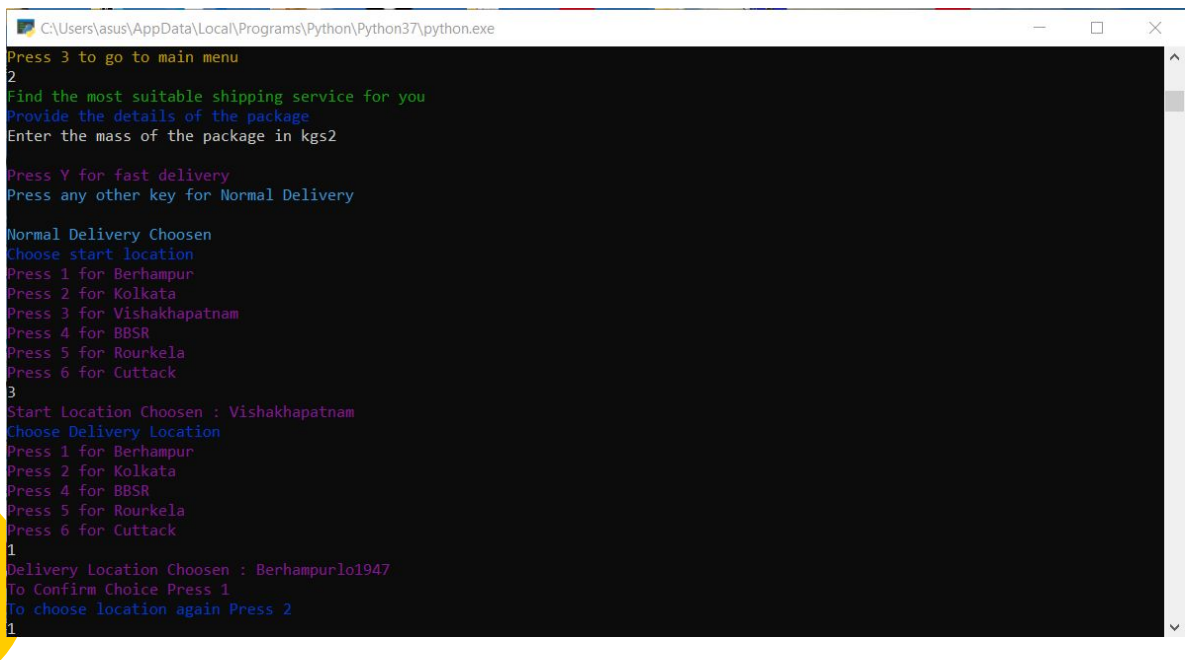

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Username changed to nicename
To change username again press 1
Else going back
Going to Edit User Section...
Editing User Details
Press 1 to edit UserName
Press 2 to edit Mail Id
Press 3 to edit Password
Press 4 to go to User Screen
2
Editing Email Address
Current email : valid@mail.com
Enter new email address : valid@mail2.com
You entered valid@mail2.com as your new email address.
To confirm Press 1
To re-enter press 2
To go back press 3
1
Email-address changed to valid@mail2.com
To change email again press 1
Else going back
Going to Edit User Section...
Editing User Details
Press 1 to edit UserName
Press 2 to edit Mail Id
Press 3 to edit Password
Press 4 to go to User Screen

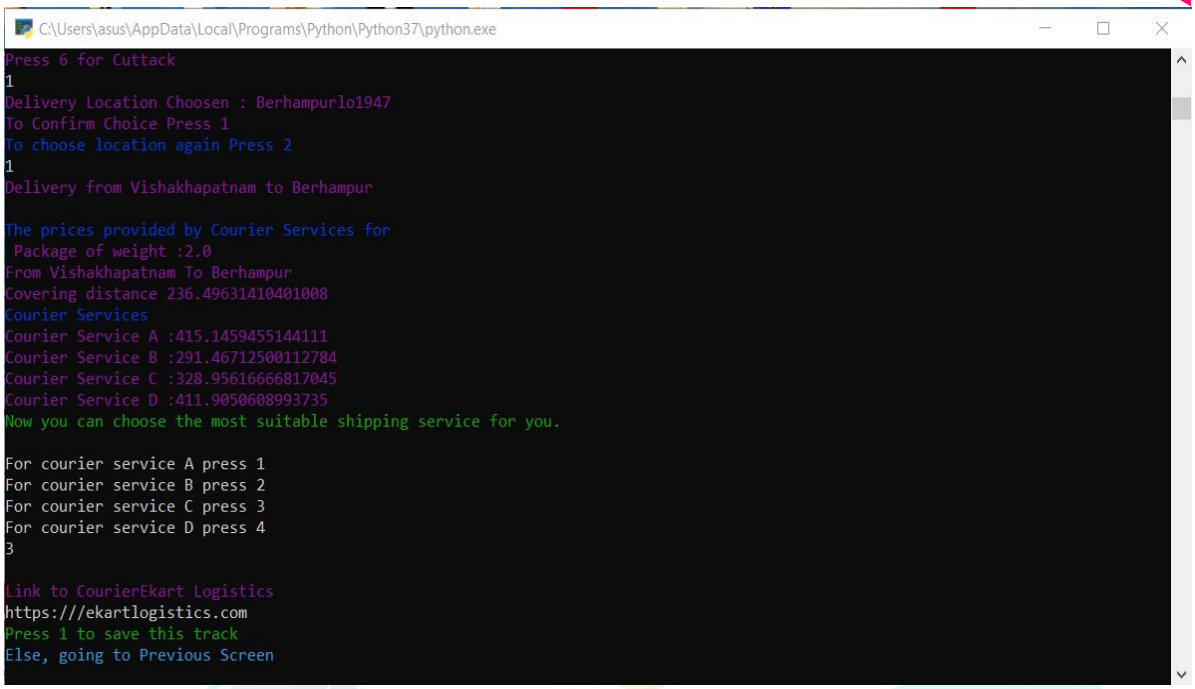

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
You entered valid@mail2.com as your new email address.
To confirm Press 1
To re-enter press 2
To go back press 3
1
Email-address changed to valid@mail2.com
To change email again press 1
Else going back
Going to Edit User Section...
Editing User Details
Press 1 to edit UserName
Press 2 to edit Mail Id
Press 3 to edit Password
Press 4 to go to User Screen
4
Redirecting to User Screen
Welcome to ShipIt!
Hello nicename
Email Id : valid@mail2.com
To Check existing tracks press 1
To add new delivery press 2
To edit user details such as Name, E-mail id, password press 3
To log-out press 4
4

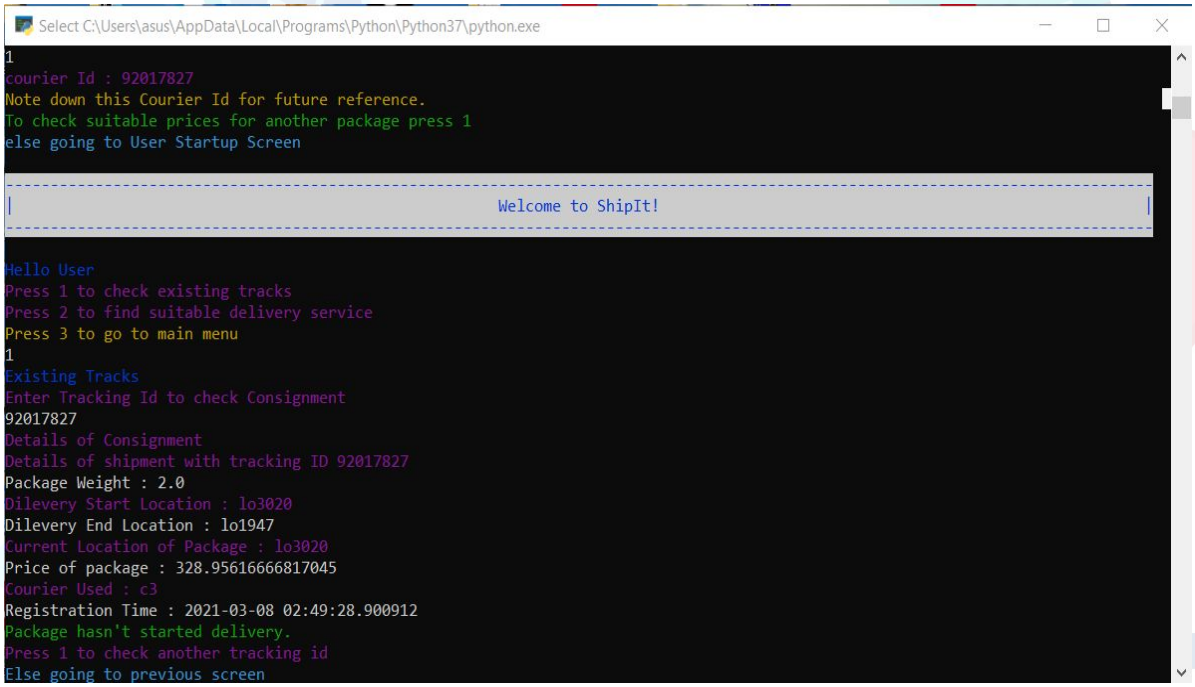

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
4
To end session enter N else continue
Please Wait.....
Find the best shipping service for you.
Provide the details of your package and we will help you,
to find the most suitable shipping service.
SHIPIT
Disclaimer
This is a Python Project
the information provided by shipIt is for general usage purposes only.
and is in no way related to any real organisation.
The information entered by you wouldn't be considered for Ads but will be used for research and development of ShipIt!
To Login press 1
To Surf Anonmously press 2
To SignUp press 3
To End Session press 4
If encountering issues, contact roshanbiswanathpatra@gmail.com

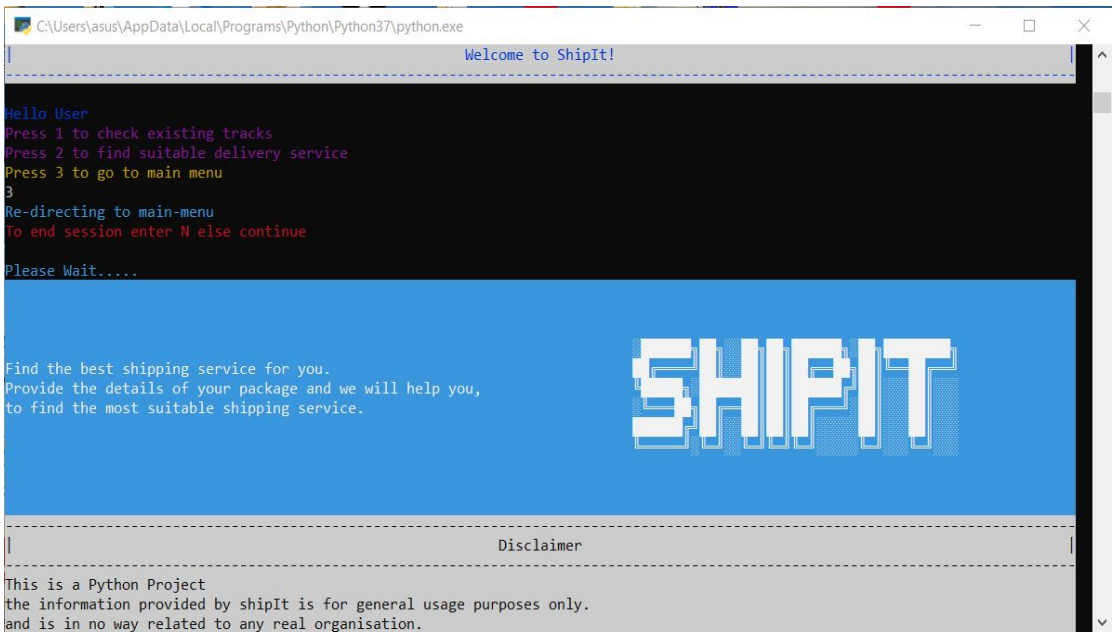

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
To Surf Anonmously press 2
To SignUp press 3
To End Session press 4
If encountering issues, contact roshanbiswanathpatra@gmail.com
2
Welcome to ShipIt!
Hello User
Press 1 to check existing tracks
Press 2 to find suitable delivery service
Press 3 to go to main menu
1
Existing Tracks
Enter Tracking Id to check Consignment
83439007
Details of Consignment
Details of shipment with tracking ID 83439007
Package Weight : 2.0
Dilevery Start Location : lo2077
Dilevery End Location : lo3020
Current Location of Package : lo2077
Price of package : 614.2902816001847
Courier Used : c2
Registration Time : 2021-03-08 02:40:03.767321
Package hasn't started delivery.
Press 1 to check another tracking id
Else going to previous screen

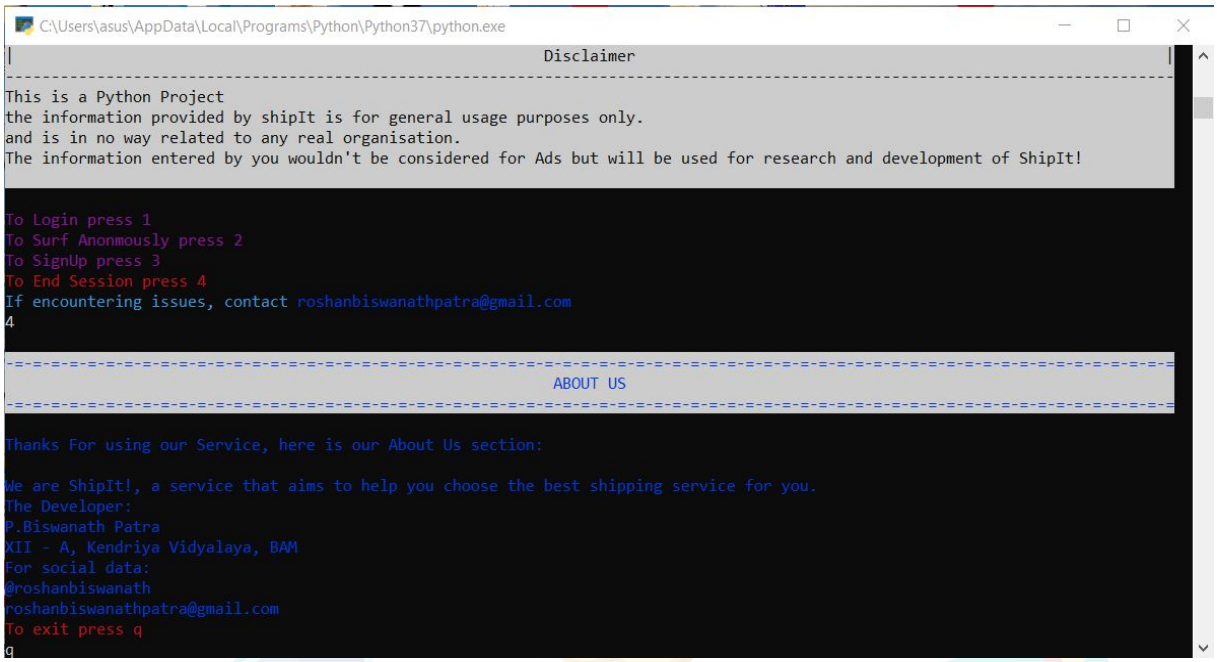

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Package hasn't started delivery.
Press 1 to check another tracking id
Else going to previous screen
Redirecting to previous screen
Welcome to ShipIt!
Hello User
Press 1 to check existing tracks
Press 2 to find suitable delivery service
Press 3 to go to main menu
2
Find the most suitable shipping service for you
Provide the details of the package
Enter the mass of the package in kgs2
Press Y for fast delivery
Press any other key for Normal Delivery
Normal Delivery Choosen
Choose start location
Press 1 for Berhampur
Press 2 for Kolkata
Press 3 for Vishakhapatnam
Press 4 for BBSR
Press 5 for Rourkela
Press 6 for Cuttack
3

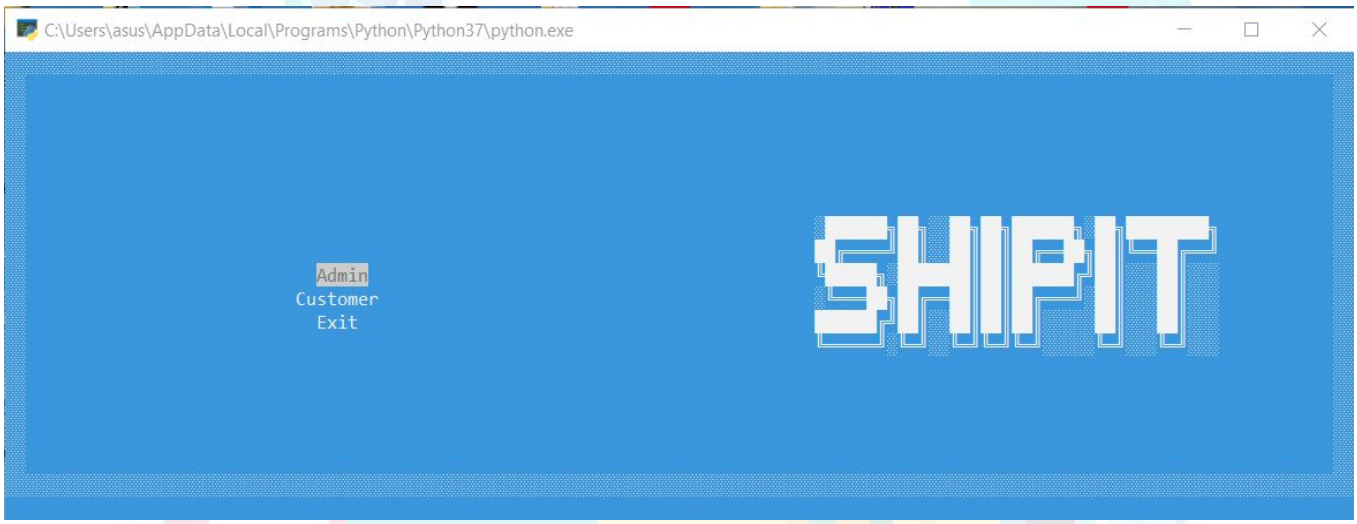

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Press 3 to go to main menu
2
Find the most suitable shipping service for you
Provide the details of the package
Enter the mass of the package in kgs2
Press Y for fast delivery
Press any other key for Normal Delivery
Normal Delivery Choosen
Choose start location
Press 1 for Berhampur
Press 2 for Kolkata
Press 3 for Vishakhapatnam
Press 4 for BBSR
Press 5 for Rourkela
Press 6 for Cuttack
3
Start Location Choosen : Vishakhapatnam
Choose Delivery Location
Press 1 for Berhampur
Press 2 for Kolkata
Press 4 for BBSR
Press 5 for Rourkela
Press 6 for Cuttack
1
Delivery Location Choosen : Berhampurlo1947
To Confirm Choice Press 1
To choose location again Press 2
1

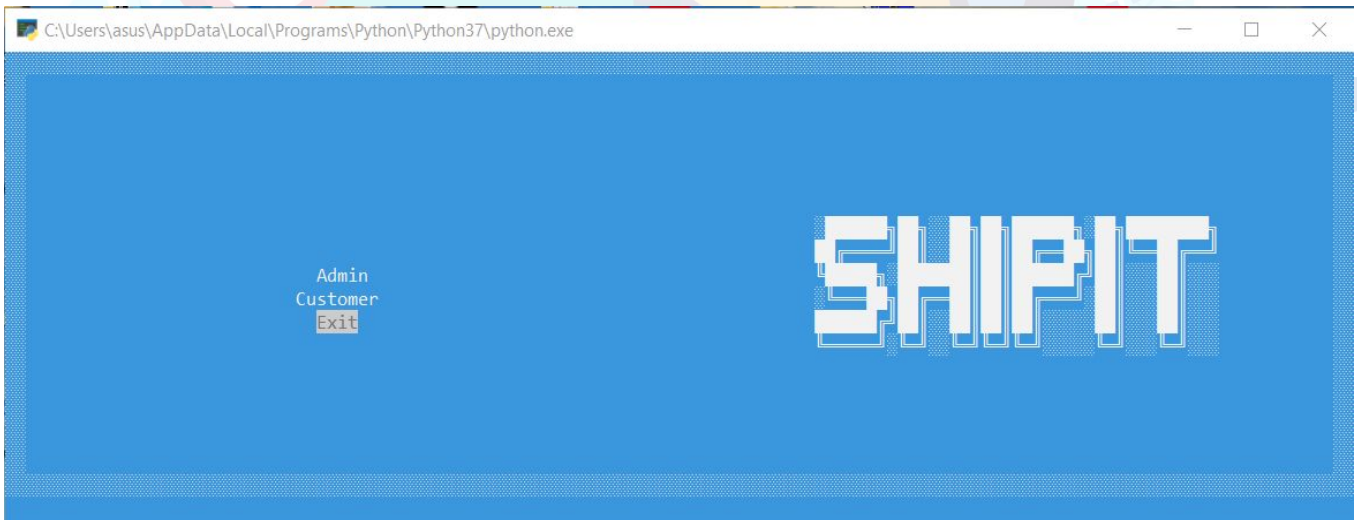

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Press 6 for Cuttack
1
Delivery Location Choosen : Berhampurlo1947
To Confirm Choice Press 1
To choose location again Press 2
1
Delivery from Vishakhapatnam to Berhampur
The prices provided by Courier Services for
Package of weight :2.0
From Vishakhapatnam To Berhampur
Covering distance 236.49631410401008
Courier Services
Courier Service A :415.1459455144111
Courier Service B :291.46712500112784
Courier Service C :328.95616666817045
Courier Service D :411.9050608993735
Now you can choose the most suitable shipping service for you.
For courier service A press 1
For courier service B press 2
For courier service C press 3
For courier service D press 4
3
Link to CourierEkart Logistics
https:///ekartlogistics.com
Press 1 to save this track
Else, going to Previous Screen


Select C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
1
courier Id : 92017827
Note down this Courier Id for future reference.
To check suitable prices for another package press 1
else going to User Startup Screen
Welcome to ShipIt!
Hello User
Press 1 to check existing tracks
Press 2 to find suitable delivery service
Press 3 to go to main menu
1
Existing Tracks
Enter Tracking Id to check Consignment
92017827
Details of Consignment
Details of shipment with tracking ID 92017827
Package Weight : 2.0
Dilevery Start Location : lo3020
Dilevery End Location : lo1947
Current Location of Package : lo3020
Price of package : 328.95616666817045
Courier Used : c3
Registration Time : 2021-03-08 02:49:28.900912
Package hasn't started delivery.
Press 1 to check another tracking id
Else going to previous screen

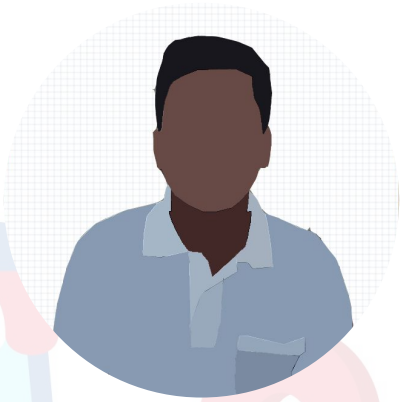

C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Welcome to ShipIt!
Hello User
Press 1 to check existing tracks
Press 2 to find suitable delivery service
Press 3 to go to main menu
3
Re-directing to main-menu
To end session enter N else continue
Please Wait.....
Find the best shipping service for you.
Provide the details of your package and we will help you,
to find the most suitable shipping service.
SHIPIT
Disclaimer
This is a Python Project
the information provided by shipIt is for general usage purposes only.
and is in no way related to any real organisation.


C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Disclaimer
This is a Python Project
the information provided by shipIt is for general usage purposes only.
and is in no way related to any real organisation.
The information entered by you wouldn't be considered for Ads but will be used for research and development of ShipIt!
To Login press 1
To Surf Anonmously press 2
To SignUp press 3
To End Session press 4
If encountering issues, contact roshanbiswanathpatra@gmail.com
4
ABOUT US
Thanks For using our Service, here is our About Us section:
We are ShipIt!, a service that aims to help you choose the best shipping service for you.
The Developer:
P.Biswanath Patra
XII - A, Kendriya Vidyalaya, BAM
For social data:
@roshanbiswanath
roshanbiswanathpatra@gmail.com
To exit press q
q


C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Admin
Customer
Exit
SHIPIT


C:\Users\asus\AppData\Local\Programs\Python\Python37\python.exe
Admin
Customer
Exit
SHIPIT

THANK YOU



Contributing Sources
https://docs.python.org/3/
https://stackoverflow.com/

Resources Available At
https://github.com/roshanbiswanath/ShipIt

This file available at
https://github.com/roshanbiswanath/ShipIt/raw/main/ShipItbyroshanbiswanath.pdf

Experience the program online at
https://repl.it/@RoshanBiswanath/ShipIt

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