



BUS TICKET BOOKING APPLICATION

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BUS TICKET BOOKING

NAME :

EMAIL :

GENDER : ☐ MALE ☐ FEMALE

AADHAR :

CONTACT :

ADDRESS :

CLASS : ☐ STANDARD ☐ ECONOMY ☐ FIRST CLASS

ARRIVAL :

DESTINATION :

SEATS :

SEATS AVAILABLE : 20

TICKET PREVIEW

NAME	
EMAIL	
GENDER	
AADHAR	
CONTACT	
AADHAR	
CLASS	
ARRIVAL	
DESTINATION	
SEATS	

BOOK AND SEND PREVIEW EXIT

Application Functionality

- Takes the input from user
- Checks inputs whether valid or not
- Preview feature to check all details
- (Must preview before booking)
- Seats count is visible
- Book and send
- Books the ticket, data added to database
- Data added to csv file
- Ticket mailed to the user
- Confirmation box to exit

- BUS TICKET BOOKING

NAME :

EMAIL :

GENDER :
☒ MALE
☐ FEMALE

AADHAR :

CONTACT :

ADDRESS :

CLASS :
☐ STANDARD
☒ ECONOMY
☐ FIRST CLASS

ARRIVAL :
▼

DESTINATION :
▼

SEATS :
SEATS AVAILABLE : 20

TICKET PREVIEW

NAME	EMAIL	SEATS

BOOK AND SEND

PREVIEW

EXIT

If the user tries to book the ticket, without preview. A dialog box appears to check the details before final booking as a confirmation for correct credentials.

- Checks input data whether valid or not

The screenshot shows a Tkinter window titled "tk" with a green header bar containing the text "BUS TICKET BOOKING". The window is divided into two main sections: a form on the left and a "TICKET PREVIEW" table on the right.

Form Fields:

- NAME :
- EMAIL :
- GENDER : ☒ MALE
- AADHAR :
- CONTACT :
- ADDRESS :
- CLASS : ☐ STANDARD, ☐ ECONOMY, ☐ FIRST CLASS
- ARRIVAL :
- DESTINATION :
- SEATS :
- SEATS AVAILABLE : 20

TICKET PREVIEW Table:

NAME	EMAIL	GENDER	AADHAR	CONTACT	AADHAR	CLASS	ARRIVAL	DESTINATION	SEATS

Error Dialog Box:

An "Error" dialog box is displayed in the center, listing the following validation errors:

- Invalid Name
- Invalid Email
- Invalid Aadhar
- Invalid Contact
- Not selected Class
- Not selected Arrival
- Not selected Destination
- Not specified seats

The dialog box has an "OK" button at the bottom right.

Buttons:

At the bottom right of the window, there are three buttons: "BOOK AND SEND", "PREVIEW", and "EXIT".

As the NAME,EMAIL,AADHAR (must be 12 digits long) is an invalid input.

At the same time CLASS,ARRIVAL,DESTINATION is not selected the error box displays them all together to rectify.

Notice as the contact number is entirely made of digits and length of number = 10

So it did not make it to the error message.

- **PREVIEW** button feature to check all details

BUS TICKET BOOKING

NAME : Shibani Das
 EMAIL : shibanidaswrk@gmail.com
 GENDER : ☐ MALE ☒ FEMALE
 AADHAR : 748596526312
 CONTACT : 7856941523
 ADDRESS : Spark Enclave
 CLASS : ☐ STANDARD ☒ ECONOMY ☐ FIRST CLASS
 ARRIVAL : Bangalore
 DESTINATION : Vizag
 SEATS : 5
 SEATS AVAILABLE : 20

TICKET PREVIEW

NAME	Shibani Das
EMAIL	shibanidaswrk@gmail.com
GENDER	Female
AADHAR	748596526312
CONTACT	7856941523
AADHAR	Spark Enclave
CLASS	Economy
ARRIVAL	Bangalore
DESTINATION	Vizag
SEATS	5

BOOK AND SEND PREVIEW EXIT

Displays all the data input by the user on the right hand side under the ticket preview frame to check the details and make the necessary changes as required.

- **When seats are not enough (Edge case)**

[illegible]

When a user tries to exceed the seats limit, an error message is shown to select the required number of seats.

- Book and send mail feature

BUS TICKET BOOKING

NAME : Shibani Das
 EMAIL : shibanidaswrk@gmail.com
 GENDER : ☐ MALE ☒ FEMALE
 AADHAR : 748596526312
 CONTACT : 7856941523
 ADDRESS : Spark Enclave
 CLASS : ☐ STANDARD ☒ ECONOMY ☐ FIRST CLASS
 ARRIVAL : Bangalore
 DESTINATION : Vizag
 SEATS : 5
 SEATS AVAILABLE : 15

TICKET PREVIEW

NAME	Shibani Das
EMAIL	shibanidaswrk@gmail.com
GENDER	Female
AADHAR	748596526312
CONTACT	7856941523
ADDRESS	Spark Enclave
CLASS	Economy
ARRIVAL	Bangalore
DESTINATION	Vizag
SEATS	5

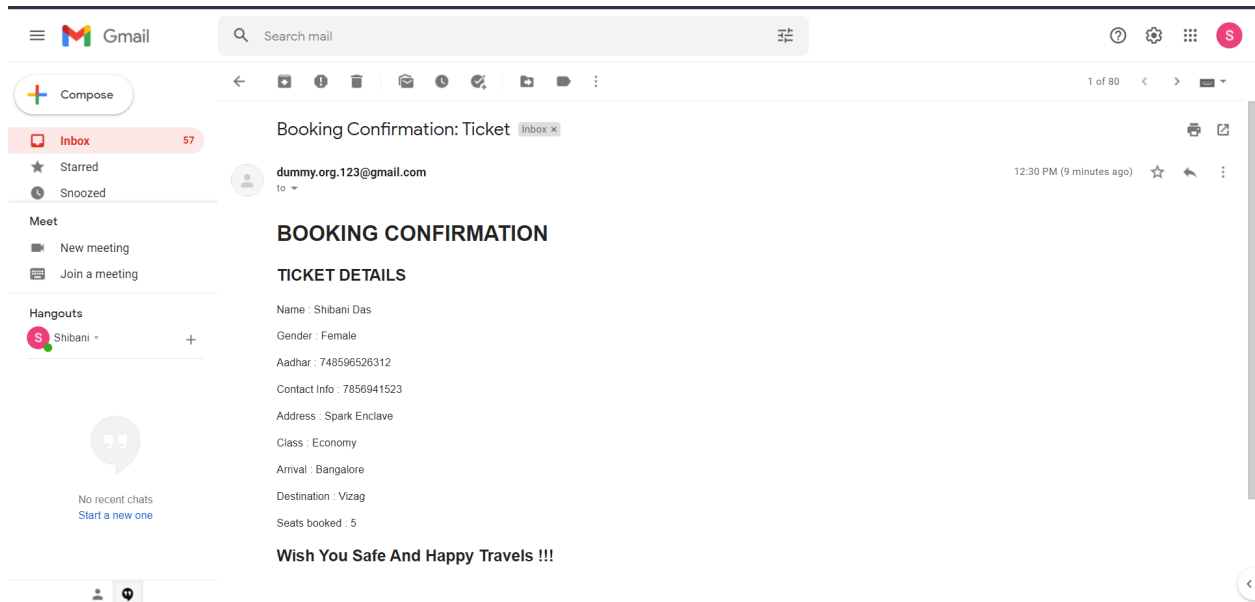
Mail Sent Successfully !
OK

BOOK AND SEND PREVIEW EXIT

Total Available Seats = 20

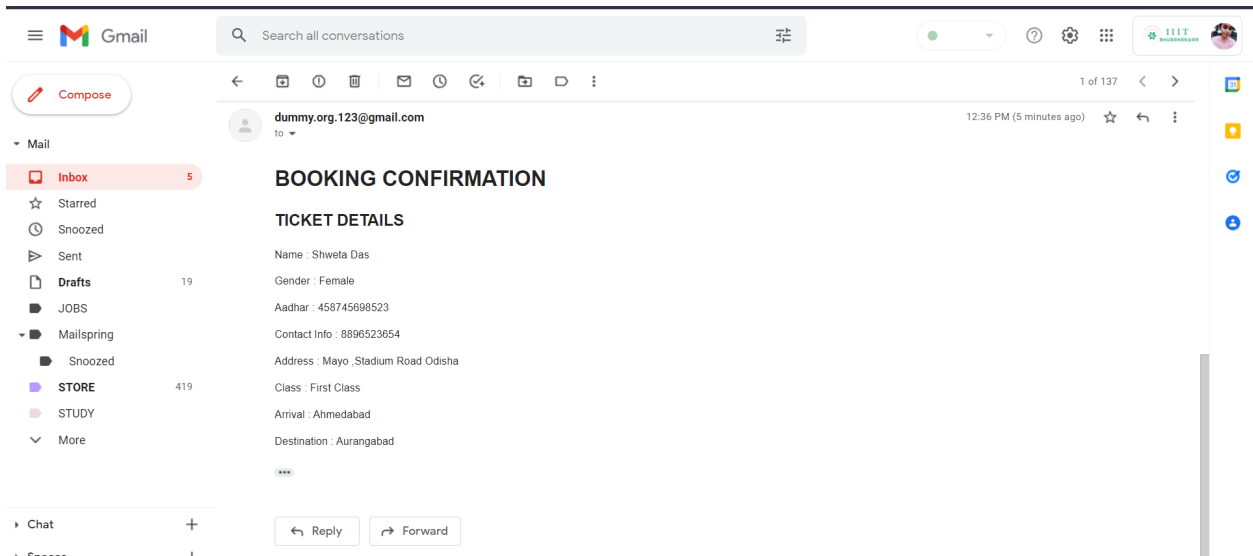
Here 5 seats were selected , so after the booking was done 15 seats left is shown(20 - 5)

● Mail received to user

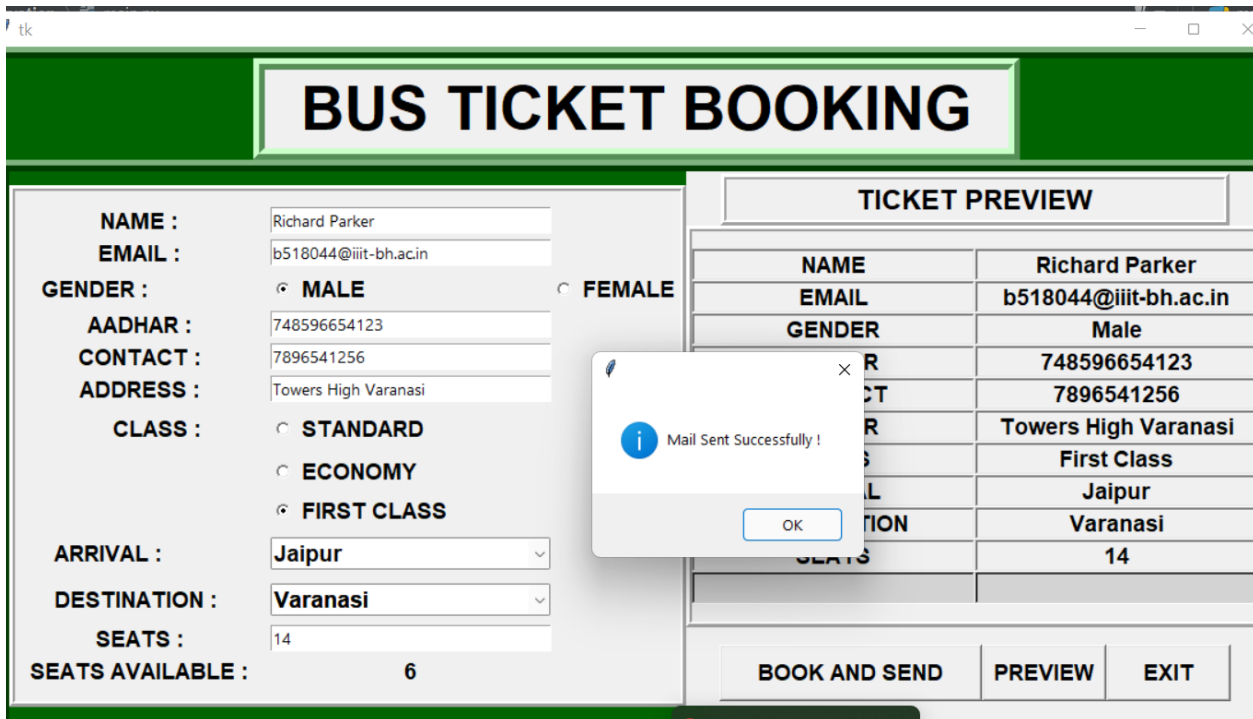


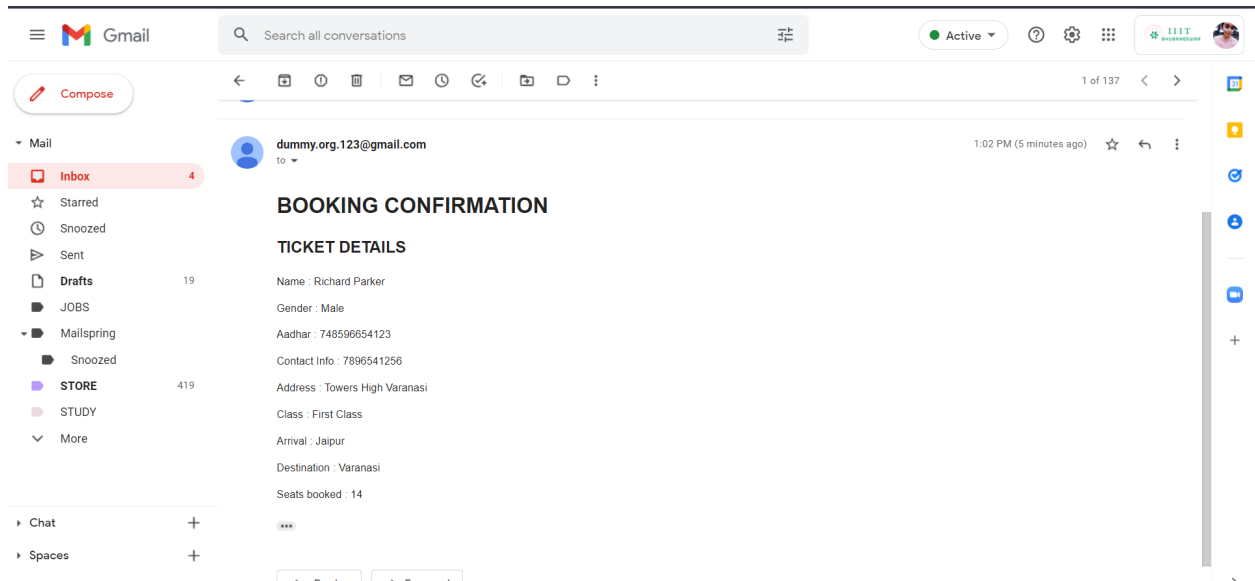
● Another user after preview

● Mail received



All booked tickets' data is added to the database using sqlite3 and to the csv file using csv module.





● CSV File Data

tickets_info.csv - Excel

	A	B	C	D	E	F	G	H	I	J	K	L
1	Shibani Das	shibanidaswrk@gmail.com	Female	7.49E+11	7.86E+09	Spark Encl	Economy	Bangalore	Vizag	5		
2	Shweta Das	b518044@iiit-bh.ac.in	Female	4.59E+11	8.9E+09	Mayo ,Star	First Class	Ahmedaba	Aurangaba	12		
3	Shweta	shwetadas930@gmail.com	Female	7.49E+11	4.51E+09	Om Niwas	First Class	Ahmedaba	Kanpur	11		
4	Jared Don	dummy.org.123@gmail.com	Male	7.90E+11	4.6E+09	Craves Hig	Standard	Jamshedp	Kanpur	2		
5	Richard Parker	b518044@iiit-bh.ac.in	Male	7.49E+11	7.9E+09	Towers Hig	First Class	Jaipur	Varanasi	14		
6												
7												
8												
9												

● Exit

BUS TICKET BOOKING

NAME : Shweta
EMAIL : shwetadas930@gmail.com
GENDER : ☐ MALE ☒ FEMALE
AADHAR : 748596541263
CONTACT : 4512639854
ADDRESS : Om Niwas Stadium Road Kanpur
CLASS : ☐ STANDARD ☐ ECONOMY ☒ FIRST CLASS
ARRIVAL : Ahmedabad
DESTINATION : Kanpur
SEATS : 11
SEATS AVAILABLE : 9

TICKET PREVIEW

NAME	Shweta
EMAIL	shwetadas930@gmail.com
GENDER	Female
AADHAR	748596541263
CONTACT	4512639854
AADHAR	Niwas Stadium Road Kanpur
CLASS	First Class
ARRIVAL	Ahmedabad
DESTINATION	Kanpur
SEATS	11

BOOK AND SEND **PREVIEW** **EXIT**

Train Ticketing System
Confirm if you want to exit
Yes **No**

Exit asks for confirmation, if yes exists from the application (`root.destroy()`) .