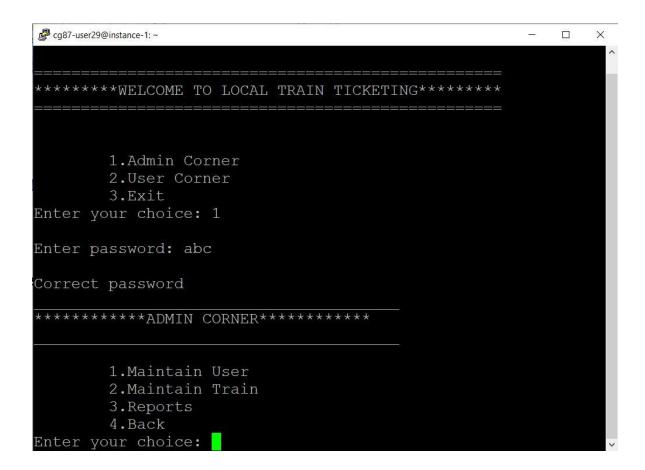
UT_IT TEST REPORT

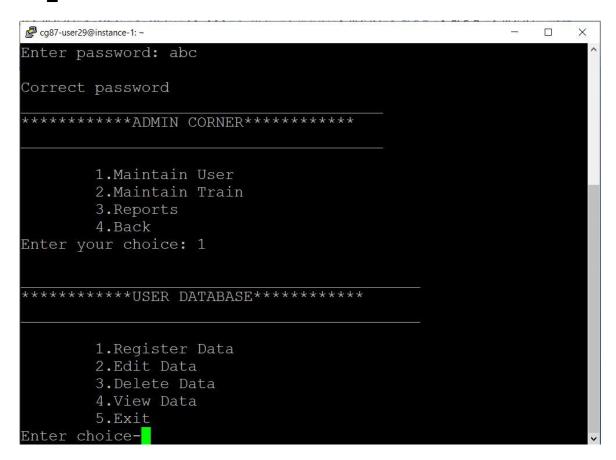
UT Test report

LTT_CASE 1: Admin corner and password authentication

```
gg cg87-user29@instance-1: ~
cg87-user29@instance-1:~$ make
qcc -c train main.c
gcc -c train func.c
gcc -o train train main.o train func.o
cg87-user29@instance-1:~$ ./train
NO FILE EXIST
NO FILE EXIST
*******WELCOME TO LOCAL TRAIN TICKETING******
        1.Admin Corner
        2.User Corner
        3.Exit
Enter your choice: 1
Enter password: abcd
Wrong password, please try again!
Enter password: abc
Correct password
```

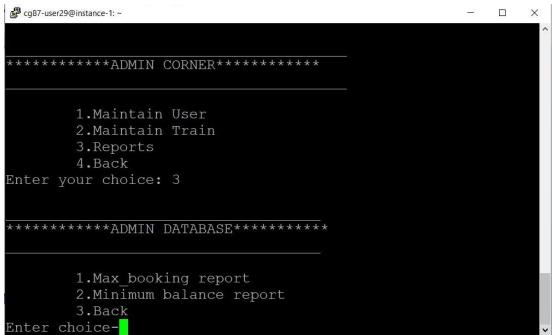


LTT_CASE 2: User maintenance



LTT_CASE 3: Train maintenance

LTT_ CASE 4: Report generation



LTT_CASE 5: Exit

gg cg87-user29@instance-1: ~

IT_Test report

LTT_CASE 1: Train database

₽ cg87-user29@instance-1: ~

```
***********TRAIN DATABASE******
        1.Add Data
        3.Delete Data
        4.View Data
        5.Exit
Enter choice-1
Enter train number: 1
Enter train name: 321
Train name should contain only characters Enter train name: a
Enter source name: d1
Source name should contain only characters
Enter source name: bg
Enter destination name: k&
Destination name should contains only characters
Enter destination name: hy
Enter the distance between source and destination: 50
Distance should be in the range of 10 km to 25 km
Enter the distance between source and destination: 12
```

Enter the capacity of the train: 600 Capacity should be in the range of 100 to 500 Enter the capacity of the train: 200 Enter the fare: 4 Fare should be in the range of 5 to 20 Enter the fare: 6 Total seats booked 0 1.Add Data 2.Edit Data 3.Delete Data 4. View Data 5.Exit Enter choice-1 Enter train number: 2 Enter train name: b Enter source name: ch Enter destination name: kk Enter the distance between source and destination: 20 Enter the capacity of the train: 300

Enter the fare: 10

Total seats booked 0

1.Add Data

2.Edit Data

3.Delete Data

4. View Data

5.Exit

Enter choice-1

1.Add Data 2.Edit Data 3.Delete Data

5.Exit Enter choice-4

TRAIN_NO	TRAIN_NAME	SOURCE	DESTINATION	DISTANCE	CAPACITY	FARE T	OTAL_BOOKINGS
1		bg	hy	12.000000km	200.000000	6.000000per_k	cm 0
2	b	ch	kk	20.000000km	300.000000	10.000000per_	km 0
3		bg	ad	25.000000km	350.000000	12.000000per_	km 0
4	d	bg	ad	25.000000km	500.000000	16.000000per_	km 0
5		cm	kl	23.000000km	400.000000	8.000000per_k	cm 0

***********TRAIN DATABASE******* 1.Add Data 2.Edit Data 3.Delete Data 4. View Data 5.Exit Enter choice-2 Enter train number for editing: 6 Train number 6 not found **********TRAIN DATABASE****** 1.Add Data 2. Edit Data 3. Delete Data 4. View Data 5.Exit Enter choice-2 Enter train number for editing: 2 Old train name is b Source name is ch

Destination name is kk Distance is 20.000000km Capacity is 300.000000 Fare is 10.000000per km Enter train name: B2

Train name should have only characters

Enter train name: B

Enter source name: kanyakumari

Source name should be less than 10 characters

Enter source name: kk

Enter destination name: chithambaram

Destination name should be less than 10 characters

Enter destination name: ch

Enter the distance between source and destination: 30

Distance in the range of 10 km to 25 km

Enter the distance between source and destination: 12

Enter the capacity of the train: 550

Capacity should be in the range of 100 to 500

Enter the capacity of the train: 450

Enter the fare: 26

Fare should be in the range of 5 to 20

Enter the fare: 15

- 3.Delete Data
- 4.View Data 5.Exit

Enter choice-4

TRAIN_NO	TRAIN_NAME	SOURCE	DESTINATION	DISTANCE	CAPACITY	FARE	TOTAL_BOOKINGS
		bg	hy	12.000000km	200.000000	6.000000per	_km 0
	В	kk	ch	12.000000km	450.000000	15.000000pe	r_km 0
		bg	ad	25.000000km	350.000000	12.000000pe	r_km 0
	d	bg	ad	25.000000km	500.000000	16.000000pe	r_km 0
		cm	kl	23.000000km	400.000000	8.000000per	_km 0

gg cg87-user29@instance-1: ~

***********TRAIN DATABASE******

- 1.Add Data
- 2.Edit Data
- 3.Delete Data
- 4. View Data
- 5.Exit

Enter choice-3

Enter train number for deleting: 6

Train number 6 not found for deletion

- 1.Add Data
- 2.Edit Data
- 3.Delete Data
- 4. View Data
- 5.Exit

Enter choice-3

Enter train number for deleting: 5

🧬 cg87-user29@instance-1: ~

- 1.Add Data 2.Edit Data 3.Delete Data 4.View Data 5.Exit

Enter choice-4

TRAIN_NO	TRAIN_NAME	SOURCE	DESTINATION	DISTANCE	CAPACITY	FARE	TOTAL_BOOKINGS
1		bg	hy	12.000000km	200.000000	6.000000per_	km 0
2	В	kk	ch	12.000000km	450.000000	15.000000per	_km 0
3		bg	ad	25.000000km	350.000000	12.000000per	_km 0
4	d	bq	ad	25.000000km	500.000000	16.000000per	km 0

1.Add Data
2.Edit Data
3.Delete Data
4.View Data
5.Exit
Enter choice-5

LTT_CASE 2: User database

Enter aadhar no: 1234567

INVALID LENGTH
Length should be of 6 digits
Enter aadhar no:
123456

Enter user name: A m

Name should have more than 5 characters Enter user name: A mnopq

Name should contain only characters Enter user name: Bhuvana

Enter your password: Bhuvana@123

Your password should be in the range of 5 to 10 Enter your password: Bhu@1

Your password should be in the range of 5 to 10 Enter your password: Bhu@12

Password should contain only characters Enter your password: bhuvana

Enter your phone number: 123456789

Phone number should contain only 10 digits Enter your phone number: 1234567890

Enter your gender(Female/Male/Pns): Pns

Your gender is Pns

Enter the amount to deposit: 300

SORRY! we cannot proceed with your registration Minimum deposit should be 500

Enter the amount to deposit: 500

REGISTRATION SUCCESSFUL

- 1.Register Data
- 2.Edit Data
- 3.Delete Data
- 4. View Data
- 5.Exit

Enter choice-1

₽ cg87-user29@instance-1: ~

- 1.Register Data
- 2.Edit Data
- 3.Delete Data
- 4. View Data
- 5.Exit

Enter choice-4

AADHAR_NO	USER_NAME	PASSWORD	PHONE_NUMBER	GENDER	DEPOSIT
123456	Bhuvana	bhuvana	1234567890	Pns	500
456123	Swarna	swarna	7891230456	Pns	1000
456789	Reshma	reshma	7894561230	Male	600
789012	Charitha	charitha	4561230987	Female	9000

- 1.Register Data
- 2.Edit Data
- 3.Make Journey
- 4.Max booking report
- 5.Back

Enter choice-2

Enter your aadhar number for editing: 456123

Old user name is Swarna
Password is swarna
Phone number is 7891230456
Gender is Pns
Deposit money is 1000
Enter user name: Swarna

D-+--- 102

Enter your password: 123

Your password should be in the range of 5 to 10 Enter your password: swarna

Enter your phone number: 45678

Phone number should contain only 10 digits

Enter your phone number: 7894521360

Enter your gender(Female/Male/Pns): F

Invalid Gender

Enter your gender (Female/Male/Pns): Female

Your gender is Female

Enter the amount to deposit: 200

SORRY! we cannot proceed with your edit

Minimum deposit should be 500

Enter the amount to deposit: 1000

- 1.Register Data
- 2.Edit Data
- 3.Delete Data
- 4.View Data
- 5.Exit

Enter choice-4

AADHAR_NO	USER_NAME	PASSWORD	PHONE_NUMBER	GENDER	DEPOSIT
123456	Bhuvana	bhuvana	1234567890	Pns	500
456123	Swarna	swarna	7894521360	Female	1000
456789	Reshma	reshma	7894561230	Male	600

********************************* 1.Register Data 2.Edit Data 3.Delete Data 4. View Data 5.Exit Enter choice-3 Enter your aadhar number for deletion: 456231 Aadhar number 456231 not found for deletion ********************************** 1.Register Data 2.Edit Data 3.Delete Data 4. View Data 5.Exit Enter choice-3

Enter your aadhar number for deletion: 456789

*********	JSER DATABASE***	****	_		
2.Ed: 3.De:					
AADHAR_NO	USER_NAME	PASSWORD	PHONE_NUMBER	GENDER	DEPOSIT
123456	Bhuvana	bhuvana	1234567890	Pns	500
456123	Swarna	swarna	7894521360	Female	1000

LTT_CASE 3: User corner

general cg87-user29@instance-1: ~ 1.Add Data 2.Edit Data 3.Delete Data 4. View Data 5.Exit Enter choice-5 **********ADMIN CORNER******* 1.Maintain User 2.Maintain Train 3.Reports 4.Back Enter your choice: 4 *******WELCOME TO LOCAL TRAIN TICKETING****** 1.Admin Corner 2.User Corner 3.Exit Enter your choice: 2

LTT_CASE 4: Make journey

LTT_CASE 5: Print ticket

₽ cg87-user29@instance-1: ~

```
Choose your ticket
       1.Daily ticket
        2.Monthly ticket
        3.Exit
Enter your choice: 1
Welcome to Daily ticket booking
Your ticket rate details are here
Train fare is 12.000000per km
Your fare per km for this train is 300.000000
Now your balance is 200
        1.Print Ticket
        2.Exit
Enter your choice: 1
***HAPPY JOURNEY***
YOUR TRAIN TICKET IS HERE
Aadhar number 123456
User name Bhuvna
Train number 3
Train name c
Source bg
Destination ad
Distance 25.000000km
```

***********TRAIN DATABASE*******

- 1.Register Data
- 2.Edit Data
- 3.Make Journey
- 4.Max booking report
- 5.Back

Enter choice-3

Enter your aadhar number: 123456

Enter your password: bhuvana

Your login is successful!!! Continue booking

Enter source name: bg

Enter destination name: ad

₽ cg87-user29@instance-1: ~

TRAIN_NO	TRAIN_NAME	SOURCE	DESTINATION	DISTANCE	CAPACITY	FARE				
3	C	bg	ad	25.000000km	350.000000	12.000000per_km				
4	d	bg	ad	25.000000km	500.000000	16.000000per_km				
Select tra	ain number: 3									
Your train Choose you 1. 2.	Your train number is 3 Your train name is c Choose your ticket 1.Daily ticket 2.Monthly ticket 3.Exit Enter your choice: 1									
	Daily ticket et rate detail		е							
	e is 12.000000 per km for th		is 300.000000							
Your depos	palance is 50 sit is less the Re-deposit Exit c choice: 1	aan 100rup	ees							
Enter your	Enter your re-deposit amount: 200									
Now your k	palance is 250									

LTT_CASE 6: Report generation

- 1. Max booking report
- 2.Minimum balance report
- 3.Back

Enter choice-1

Train number 3
Train name c
Source name bg
Destination ad
Train with maximum booking 4

***********ADMIN DATABASE*******

- 1.Max_booking report
- 2.Minimum balance report
- 3.Back

Enter choice-2

AADHAR_NO USER_NAME PASSWORD PHONE_NUMBER GENDER DEPOSIT 123456 Bhuvana bhuvana 1234567890 Pns 50

- 1.Max booking report
- 2.Minimum balance report
- 3.Back

Enter choice-3

**********ADMIN CORNER******

- 1.Maintain User
- 2.Maintain Train
- 3.Reports
- 4.Back

Enter your choice: 4

1.Admin Corner

2.User Corner

3.Exit

Enter your choice: