

# UT IT TEST REPORT

## UT Test report

### LTT\_CASE 1: Admin corner and password authentication

 cg87-user29@instance-1: ~

```
cg87-user29@instance-1:~$ make
gcc -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

```
cg87-user29@instance-1: ~  
=====br/>*****WELCOME TO LOCAL TRAIN TICKETING*****br/>=====br/>  
1.Admin Corner  
2.User Corner  
3.Exit  
Enter your choice: 1  
  
Enter password: abc  
  
Correct password  
  
*****ADMIN CORNER*****  
-----  
  
1.Maintain User  
2.Maintain Train  
3.Reports  
4.Back  
Enter your choice: █
```

## LTT\_CASE 2: User maintenance

```
cg87-user29@instance-1: ~  
Enter password: abc  
Correct password  
*****ADMIN CORNER*****  
  
1.Maintain User  
2.Maintain Train  
3.Reports  
4.Back  
Enter your choice: 1  
  
*****USER DATABASE*****  
  
1.Register Data  
2.Edit Data  
3.Delete Data  
4.View Data  
5.Exit  
Enter choice-
```

## LTT\_CASE 3: Train maintenance

```
cg87-user29@instance-1: ~  
*****ADMIN CORNER*****  
  
1.Maintain User  
2.Maintain Train  
3.Reports  
4.Back  
Enter your choice: 2  
  
*****TRAIN DATABASE*****  
  
1.Add Data  
2.Edit Data  
3.Delete Data  
4.View Data  
5.Exit  
Enter choice-
```

## LTT\_CASE 4: Report generation

```
cg87-user29@instance-1: ~  
*****ADMIN CORNER*****  
  
1.Maintain User  
2.Maintain Train  
3.Reports  
4.Back  
Enter your choice: 3  
  
*****ADMIN DATABASE*****  
  
1.Max_booking report  
2.Minimum balance report  
3.Back  
Enter choice-
```

## LTT\_CASE 5: Exit

 cg87-user29@instance-1: ~

```
*****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: 3

cg87-user29@instance-1:~\$ 

## IT Test report

### LTT\_CASE 1: Train database

cg87-user29@instance-1: ~

```
*****TRAIN DATABASE*****
```

- 1.Add Data
- 2.Edit 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

---

\*\*\*\*\*TRAIN DATABASE\*\*\*\*\*

---

- 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

cg87-user29@instance-1: ~

Enter the capacity of the train: 300

Enter the fare: 10

Total seats booked 0

\*\*\*\*\*TRAIN DATABASE\*\*\*\*\*

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

Enter choice-1

cg87-user29@instance-1: ~

\*\*\*\*\*TRAIN DATABASE\*\*\*\*\*

- 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	a	bg	hy	12.000000km	200.000000	6.000000per_km	0
2	b	ch	kk	20.000000km	300.000000	10.000000per_km	0
3	c	bg	ad	25.000000km	350.000000	12.000000per_km	0
4	d	bg	ad	25.000000km	500.000000	16.000000per_km	0
5	e	cm	kl	23.000000km	400.000000	8.000000per_km	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

cg87-user29@instance-1: ~

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

cg87-user29@instance-1: ~

\*\*\*\*\*TRAIN DATABASE\*\*\*\*\*

- 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	a	bg	hy	12.000000km	200.000000	6.000000per_km	0
2	B	kk	ch	12.000000km	450.000000	15.000000per_km	0
3	c	bg	ad	25.000000km	350.000000	12.000000per_km	0
4	d	bg	ad	25.000000km	500.000000	16.000000per_km	0
5	e	cm	kl	23.000000km	400.000000	8.000000per_km	0

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

\*\*\*\*\*TRAIN DATABASE\*\*\*\*\*

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

Enter choice-3

Enter train number for deleting: 5

\*\*\*\*\*TRAIN DATABASE\*\*\*\*\*

- 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	a	bg	hy	12.000000km	200.000000	6.000000per_km	0
2	B	kk	ch	12.000000km	450.000000	15.000000per_km	0
3	c	bg	ad	25.000000km	350.000000	12.000000per_km	0
4	d	bg	ad	25.000000km	500.000000	16.000000per_km	0

\*\*\*\*\*TRAIN DATABASE\*\*\*\*\*

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

Enter choice-5

## LTT\_CASE 2: User database

---

\*\*\*\*\*ADMIN CORNER\*\*\*\*\*

---

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

Enter your choice: 1

---

\*\*\*\*\*USER DATABASE\*\*\*\*\*

---

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

Enter choice-1

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

cg87-user29@instance-1: ~

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

---

\*\*\*\*\*USER DATABASE\*\*\*\*\*

---

1.Register Data

2.Edit Data

3.Delete Data

4.View Data

5.Exit

Enter choice-1

cg87-user29@instance-1: ~

---

\*\*\*\*\*USER DATABASE\*\*\*\*\*

---

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



## LTT\_CASE 3: User corner

cg87-user29@instance-1: ~

```
*****TRAIN DATABASE*****
```

- 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

cg87-user29@instance-1: ~

\*\*\*\*\*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

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 train number: 3

Your train number is 3

Your train name is c

## 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 train number: 3

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

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 50

Your deposit is less than 100rupees

- 1.Re-deposit
- 2.Exit

Enter your choice: 1

Enter your re-deposit amount: 200

Now your balance is 250

cg87-user29@instance-1: ~

```
*****TRAIN DATABASE*****
```

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

Enter choice-5

```
*****WELCOME TO LOCAL TRAIN TICKETING*****
```

- 1.Admin Corner
- 2.User Corner
- 3.Exit

Enter your choice: 1

Enter password: abc

Correct password

## LTT\_CASE 6: Report generation

cg87-user29@instance-1: ~

```
*****ADMIN CORNER*****
```

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

Enter your choice: 3

```
*****ADMIN DATABASE*****
```

- 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

```
*****ADMIN DATABASE*****
```

- 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

```
=====
*****WELCOME TO LOCAL TRAIN TICKETING*****
=====
```

- 1.Admin Corner
- 2.User Corner
- 3.Exit

Enter your choice: