

## TEST REPORT

**Name - DEBANJAN SAHA**

**Roll No. - 19CS30014**

### UNIT TEST REPORT

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Unit Test for Station:

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CHECKING FOR POSITIVE TESTS

Sub-Test 1 [PASSED]

Sub-Test 2 [PASSED]

CHECKING FOR NEGATIVE TESTS

Bad\_Railways: Station with empty name can't be created.

Sub-Test 3 [PASSED]

3 OUT OF 3 TESTS [PASSED]

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Unit Test for Date:

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CHECKING FOR POSITIVE TESTS

Sub-Test 1 [PASSED]

Sub-Test 2 [PASSED]

Sub-Test 3 [PASSED]

Sub-Test 4 [PASSED]

Sub-Test 5 [PASSED]

Sub-Test 6 [PASSED]

Sub-Test 7 [PASSED]

Sub-Test 8 [PASSED]

## CHECKING FOR NEGATIVE TESTS

Bad\_Date: Invalid Year  
Sub-Test 9 [PASSED]  
Bad\_Date: Invalid Year  
Sub-Test 10 [PASSED]  
Bad\_Date: Invalid Date(Day number)  
Sub-Test 11 [PASSED]  
Bad\_Date: Invalid Date(Day number)  
Sub-Test 12 [PASSED]  
Bad\_Date: Invalid Date(Day number)  
Sub-Test 13 [PASSED]  
Bad\_Date: Invalid Date(Day number)  
Sub-Test 14 [PASSED]  
Bad\_Date: Invalid Month  
Sub-Test 15 [PASSED]  
Bad\_Date: Invalid Month  
Sub-Test 16 [PASSED]

16 OUT OF 16 TESTS [PASSED]

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Unit Test for Passenger:

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## CHECKING FOR POSITIVE TESTS

Sub-Test 1 [PASSED]  
Sub-Test 2 [PASSED]

## CHECKING FOR NEGATIVE TESTS

Bad\_Passenger: Both First Name and Last Name empty  
Sub-Test 3 [PASSED]  
Bad\_Passenger: Aadhar Number is not of length 12 digits  
Sub-Test 4 [PASSED]  
Bad\_Passenger: Aadhar Number is not valid  
Sub-Test 5 [PASSED]  
Bad\_Passenger: Mobile Number is not of length 10 digits

Sub-Test 6 [PASSED]

Bad\_Passenger: Mobile Number is not valid

Sub-Test 7 [PASSED]

Bad\_Passenger: No disability ID provided by Passenger.

Sub-Test 8 [PASSED]

8 OUT OF 8 TESTS [PASSED]

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Unit Test for Booking:

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CHECKING FOR POSITIVE TESTS

Sub-Test 1 [PASSED]

Sub-Test 2 [PASSED]

CHECKING FOR NEGATIVE TESTS

Bad\_Booking: Either One or both of the Stations dont exist in master data

Sub-Test 3 [PASSED]

Bad\_Booking: Date of Reservation does not precede Date of Booking

Sub-Test 4 [PASSED]

Bad\_Booking: Destination and Source Station are same

Sub-Test 5 [PASSED]

Bad\_Booking: Date of Booking is not within one year of Date of Reservation

Sub-Test 6 [PASSED]

Bad\_Booking: Date of Birth of passenger does not precede Date of Reservation

Sub-Test 7 [PASSED]

Bad\_Booking: Passenger is not eligible for the booking category

Sub-Test 8 [PASSED]

Bad\_Booking: Passenger is not eligible for the booking category

Sub-Test 9 [PASSED]

9 OUT OF 9 TESTS [PASSED]

## **APPLICATION TEST REPORT**

BOOKING SUCCEEDED:

PNR Number = 1  
From Station = Delhi  
To Station = Mumbai  
Reservation Date = 10/4/2021  
Travel Date = 24/7/2021  
Booking Category:General  
Booking Class:AC 3 Tier  
Mode: Sleeping  
Comfort: AC  
Bunks: 3  
Luxury: No  
Fare = 1849  
Passenger Info:  
Name: Debanjan Saha  
Gender: Male  
Date of Birth: 14/7/2001  
Aadhar no.: 432715911196  
Mobile No: 9800162288

BOOKING SUCCEEDED:  
PNR Number = 2  
From Station = Delhi  
To Station = Mumbai  
Reservation Date = 10/4/2021  
Travel Date = 28/7/2021  
Booking Category:General  
Booking Class:AC First Class  
Mode: Sleeping  
Comfort: AC  
Bunks: 2  
Luxury: Yes  
Fare = 4763  
Passenger Info:  
Name: Debanjan Saha  
Gender: Male  
Date of Birth: 14/7/2001  
Aadhar no.: 432715911196  
Mobile No: 9800162288

BOOKING SUCCEEDED:

PNR Number = 3

From Station = Delhi

To Station = Mumbai

Reservation Date = 10/4/2021

Travel Date = 23/7/2021

Booking Category:Senior Citizen

Booking Class:AC 3 Tier

Mode: Sleeping

Comfort: AC

Bunks: 3

Luxury: No

Fare = 1125

Passenger Info:

Name: Arijit Ghosh

Gender: Male

Date of Birth: 25/7/1960

Aadhar no.: 432768211196

Mobile No: 9830020322

BOOKING SUCCEEDED:

PNR Number = 4

From Station = Delhi

To Station = Mumbai

Reservation Date = 10/4/2021

Travel Date = 24/7/2021

Booking Category:Senior Citizen

Booking Class:AC First Class

Mode: Sleeping

Comfort: AC

Bunks: 2

Luxury: Yes

Fare = 2411

Passenger Info:

Name: Debjani Das

Gender: Female

Date of Birth: 24/2/1962

Aadhar no.: 932768911196

Mobile No: 9094215647

Disability Type: Blind

Disability ID: 22153

BOOKING SUCCEEDED:

PNR Number = 5

From Station = Delhi

To Station = Mumbai

Reservation Date = 10/4/2021

Travel Date = 25/2/2022

Booking Category: Divyaang

Booking Class: AC 3 Tier

Mode: Sleeping

Comfort: AC

Bunks: 3

Luxury: No

Fare = 492

Passenger Info:

Name: Bob

Gender: Male

Date of Birth: 20/5/1983

Aadhar no.: 125698742152

Mobile No: 8930015647

Disability Type: Blind

Disability ID: 22153

BOOKING SUCCEEDED:

PNR Number = 6

From Station = Delhi

To Station = Mumbai

Reservation Date = 10/4/2021

Travel Date = 24/7/2021

Booking Category: Divyaang

Booking Class: AC First Class

Mode: Sleeping

Comfort: AC

Bunks: 2

Luxury: Yes

Fare = 2411

Passenger Info:

Name: Harleen Kaur

Gender: Female

Date of Birth: 20/3/1994

Aadhar no.: 654856327458

Mobile No: 6564487921

Disability Type: Cancer

Disability ID: 22245

BOOKING SUCCEEDED:

PNR Number = 7

From Station = Delhi

To Station = Mumbai

Reservation Date = 10/4/2021

Travel Date = 11/4/2021

Booking Category: Tatkal

Booking Class: AC 3 Tier

Mode: Sleeping

Comfort: AC

Bunks: 3

Luxury: No

Fare = 2249

Passenger Info:

Name: Debanjan Saha

Gender: Male

Date of Birth: 14/7/2001

Aadhar no.: 432715911196

Mobile No: 9800162288

BOOKING SUCCEEDED:

PNR Number = 8

From Station = Chennai

To Station = Bangalore

Reservation Date = 10/4/2021

Travel Date = 11/4/2021

Booking Category: Tatkal

Booking Class: AC First Class

Mode: Sleeping  
Comfort: AC  
Bunks: 2  
Luxury: Yes  
Fare = 1198  
Passenger Info:  
Name: Arijit Ghosh  
Gender: Male  
Date of Birth: 25/7/1960  
Aadhar no.: 432768211196  
Mobile No: 9830020322

**BOOKING SUCCEEDED:**

PNR Number = 9  
From Station = Chennai  
To Station = Bangalore  
Reservation Date = 10/4/2021  
Travel Date = 24/7/2021  
Booking Category:Ladies  
Booking Class:AC 3 Tier  
Mode: Sleeping  
Comfort: AC  
Bunks: 3  
Luxury: No  
Fare = 478  
Passenger Info:  
Name: Bhavna Kumari Rajakrishnan  
Gender: Female  
Date of Birth: 14/7/1998  
Aadhar no.: 432715923496  
Mobile No: 9800162388

**BOOKING SUCCEEDED:**

PNR Number = 10  
From Station = Chennai  
To Station = Bangalore  
Reservation Date = 23/7/2021  
Travel Date = 24/7/2021



Booking Category:Premium Tatkal

Booking Class:AC 2 Tier

Mode: Sleeping

Comfort: AC

Bunks: 2

Luxury: No

Fare = 750

Passenger Info:

Name: Bhavna Kumari Rajakrishnan

Gender: Female

Date of Birth: 14/7/1998

Aadhar no.: 432715923496

Mobile No: 9800162388