

Practical 4 : Railway Reservation System.

ID	Test Case	Steps	Expected	Actual	Result
01	Mobile login.	Enter 10 digit no. with (7-9)	should send OTP on no.	Sends OTP on that no.	Pass.
02	Recieve OTP	1) Enter valid no. 2) Enter OTP	Mobile registered	Mobile is registered	Pass.
03	Email login	Enter [*@*.*] format mail	should send OTP on mail	sends OTP on mail.	Pass
04	Recieve link	Enter valid mail Enter OTP.	Mail registered	Mail is registered	Pass.
05	Ticket booking (From)	Open Ticket and enter address in from	Entered location must selected	Entered location is selected	Pass.
06	Ticke booking (To)	Open Ticket and enter address in To.	Entered location must be selected	Entered location is selected	Pass.
07	Availability of trains.	Enter From and To and after filling address click enter	All available trains for next 45 days will be visible	All available trains for next 45 days are visible	Pass.

* Practical Related questions :

1) Give significance of testing in RRS.

→ 1) Searching of trains is so easy :

It is very much easy to search for the train wished without having to remember its train code or train number, rather just enter source and destination.

2) Provides Fare table for passengers :

A fare table is already available so the passengers can know the price for their ticket.

3) Reduce the possibility to make mistake :

Due to excessive work it is only human to make mistake. Here the chances of mistake is next to none.

4) Reservation is a piece of cake :

The overall method is easy and based on a few steps.

No huge amount of knowledge is required to complete the task.

2) What are different test methodologies that shall be applied to RRS?

→ 1) Unit Testing: As each and every module should work correctly.

2) Integration Testing: As module should interact with each other correctly.

3) System Testing: As the system as whole should function correctly.

4) Performance Testing: A lot of users are going to use the site simultaneously and it should be able to handle it.

5) Security Testing: As there is a shit load of transactions in this website user should not lose his/her money due to some virus.

3) Give significance of system Testing in RRS.

→ System Testing :

System testing is a black box testing method used to evaluate the completed and integrated systems, to ensure it meets specified requirements. The functionality of software is tested from end to end and is typically conducted by a separate testing team than the development team.

Significance : As the success of a website depends how on whether it fulfils user requirements or not System Testing plays a big role in ensuring that. If the whole system works well, like user is able to book reservations, cancel reservations view fare etc very easily. He/she will be inclined to use the website.

* Exercise :

1. Prepare test cases to check availability of train from Mumbai to Delhi in next 5 days.

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ID	Test Cases	Steps	Expected	Actual	Result.
01	Ticket booking.	1) Enter 'Mumbai' in 'From'. 2) Enter 'Delhi' in 'To'. 3) Enter '5' in no. of days of train.	All the trains available according to search must be displayed.	All the trains available according to search are available	Pass.

2) Generate Test cases for user validation on RRS.
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01	Mobile login	Enter 10 digit no. with (7-9)	should send OTP on no.	Sends OTP on no.	Pass.
02	Receive OTP	1) Enter valid no. 2) Enter OTP	Mobile no. registered	Mobile no. registered	Pass.
03	Email login	Enter [*@*.*] format mail.	Should send link on mail.	Sends link on mail.	Pass.
04	Receive link.	Enter valid mail Click on link.	Mail registered	Mail is registered	Pass.

4) Execute Test cases of Q2.

a) Enter invalid mobile no. with 7-8 digits

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ID	Test Case	Steps	Expected	Actual	Result
01	Mobile login	Enter 7-8 digit no.	Invalid no.	Invalid no.	Pass.

b) Enter your email with @.

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ID	Test Cases	Steps	Expected	Actual	Result
01	Email login	Enter [*.*] format	Invalid mail.	Invalid mail.	Pass.