**5. TEST PLAN**

The resources required are Ide of C to develop and build the code. This project is to manage the Online train ticket booking. It helps to passenger to book train ticket from anywhere. It consists of a passenger details (name, gender),booking system, cancellation of tickets.

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| S.no | Function name | Purpose |
| 1. | Add trains() | for adding some train details to a file. |
| 2. | view trains() | For displaying details of all the trains from the file. |
| 3. | Book ticket() | For accepting a passenger variable as argument and booking his/her ticket. If booking is successful it will return the ticket number. |
| 4. | Get -ticket-no() | For accepting a passengers mobile number as argument and returning all his ticket numbers. |
| 5. | View-ticket() | For accepting a ticket number as argument and displaying the ticket details. |
| 6. | View-all-bookings() | For displaying all the booked tickets. |
| 7. | View-bookings() | For accepting a train number as argument and displaying the ticket booked for that train. |
| 8. | Cancel-ticket() | For accepting a ticket number as argument and cancelling the ticket and if the ticket is cancelled successfully it returns 1 otherwise it returns 0. |