

## IRCTC LOGIN PAGE



Participants need to work on the following activities:

Pre-req: Participants should have an IRCTC account.

Activities:

- ❖ Write the high-level scenarios for testing logging into the IRCTC website.
  - ❖ Write the detailed test cases with steps in test case format for validating login.
  - ❖ Give one RTM (Requirement traceability metrics) format for the IRCTC login page.
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### Project Title: Testing the Login Functionality of the IRCTC Website.

#### Objective:-

This project aims to ensure the IRCTC website's login functionality is robust, secure, and user-friendly. This involves validating every aspect of the login process, including successful and unsuccessful login attempts, field validation, and error handling, to provide a seamless user experience. Additionally, we aim to enhance the security and accessibility of the login feature by confirming that error messages are clear and accurate, guiding users effectively. A Requirement Traceability Matrix (RTM) will also be developed to link requirements with test cases, ensuring full coverage of all login functionality aspects and efficient traceability throughout the testing lifecycle.

#### Scope:

This project will focus exclusively on the login functionality of the IRCTC website. Key aspects include:

- ❖ Accessing the login page
- ❖ Input validation for username and password fields
- ❖ Correct error message handling
- ❖ RTM creation for requirement traceability

#### Project Deliverables:-

- ❖ **High-Level Scenarios:** Create scenarios to test overall functionality and boundary cases of the IRCTC login.
- ❖ **Detailed Test Cases:** Document test cases with clear steps and expected outcomes.
- ❖ **Requirement Traceability Matrix (RTM):** Develop an RTM to map requirements to test cases, ensuring thorough coverage.

### **Roles and Responsibilities:-**

- For High level test scenarios, we created a word file and all the member discussed about the possible test scenarios.
- For Test cases, we used Excel sheet. There are 40 test cases, so we divide 8 test cases each with our team members. (For Captcha test cases:- 27 & For OTP test cases:-13)
- After the completion of all test cases, we made the Requirement Traceability Matrix (RTM) in Excel sheet for mapping the requirements to test cases.

- ❖ **Bhabani Sankar Khadiratna (Project Lead):**

Test case no:- TC\_LOGIN\_001 to TC\_LOGIN\_008.

- ❖ **Shubhadip Paul:** Test case no:- TC\_LOGIN\_009 to TC\_LOGIN\_016.

- ❖ **Ambala Rakesh:** Test case no:- TC\_LOGIN\_017 to TC\_LOGIN\_024.

- ❖ **Middela Sathvika:** Test case no:- TC\_LOGIN\_025 to TC\_LOGIN\_032.

- ❖ **Mansi Santosh Mahale:** Test case no:- TC\_LOGIN\_033 to TC\_LOGIN\_040.

### **Tools and Resources:-**

- ❖ Test Management Tools like JIRA for managing the test cases and bugs and MS word and Excel for Test Cases.
- ❖ Requirement Traceability Matrix (RTM) in Excel for mapping requirements to test cases.

### **Success Criteria:-**

- ❖ All test cases are executed and documented.
- ❖ The RTM shows 100% traceability and coverage.
- ❖ Issues are resolved or deferred with proper justification.
- ❖ The login functionality meets user expectations without major issues.

## **Test Closure Report:-**

### **Objective:-**

To close the testing phase for the IRCTC login functionality and confirm that all requirements have been met.

### **Summary:-**

**Total Test Cases:** [40]

**Passed:** [40]

**Failed:** [0]

### **Coverage:-**

All login requirements are tested and covered by test cases.

### **Defects:-**

**Total Defects Found:** [0 ]

**Resolved Defects:** [0]

**Unresolved Defects:** [0]

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***THANK  
YOU***