

Test Metrics Report for Video App

1. Introduction

This report provides an overview of the testing metrics for the Video App project. It includes details on the test execution, defect summary, and overall testing status.

2. Test Execution Summary

Metric	Count
Total Test Cases	133
Executed Test Cases	120
Passed Test Cases	110
Failed Test Cases	10
Blocked Test Cases	5
Not Executed Test Cases	13

3. Test Case Distribution by Feature

Feature	Total Test Cases	Executed	Passed	Failed	Blocked	Not Executed
Login Page	8	8	7	1	0	0
Home Page	4	4	3	1	0	0
Start a Meeting	31	30	27	3	1	1
Schedule a Meeting	35	30	28	2	1	5
Join a Meeting	2	2	2	0	0	0
In-Meeting Features	32	30	27	3	1	2
View Past Meetings	21	16	16	0	2	5

4. Defect Summary

Severity	Open	Closed	Total
Critical	2	3	5
High	1	6	7
Medium	3	10	13
Low	4	8	12
Total	10	27	37

5. Defect Distribution by Module

Module	Critical	High	Medium	Low	Total
Home Page	1	2	3	1	7
Login Page	1	1	2	3	7
Start a Meeting	1	1	3	2	7
Schedule a Meeting	1	1	2	1	5
Join a Meeting	0	1	1	2	4
In-Meeting Features	0	1	1	1	3
View Past Meetings	1	0	1	2	4

6. Test Case Execution Trend

Date	Executed	Passed	Failed	Blocked	Not Executed
16-Jul-2024	20	18	2	0	113
17-Jul-2024	25	22	3	0	88
18-Jul-2024	30	27	2	1	58
19-Jul-2024	20	19	1	0	38
20-Jul-2024	25	24	2	0	13

7. Defect Density

Module	Total Defects	Total Test Cases	Defect Density
Home Page	7	4	1.75
Login Page	7	8	0.88
Start a Meeting	7	31	0.23
Schedule a Meeting	5	35	0.14
Join a Meeting	4	2	2.00
In-Meeting Features	3	32	0.09
View Past Meetings	4	21	0.19

8. Test Coverage

Feature	Total Test Cases	Executed	Passed	Coverage (%)
Home Page	4	4	3	100
Login Page	8	8	7	100
Start a Meeting	31	30	27	96.77
Schedule a Meeting	35	30	28	85.71
Join a Meeting	2	2	2	100
In-Meeting Features	32	30	27	93.75
View Past Meetings	21	16	16	76.19

9. Feature Details

- Home Page

Verifying the presence and functionality of all key elements.

- Login Page

Testing login with correct/incorrect credentials, language selection, and guest login.

- Start a Meeting

Ensuring users can initiate new meeting sessions with options like conference/webinar, select meeting duration, wait for host, chat on/off, recording on/off, meeting passcode on/off, and roles of guests (host, attendee, presenter).

- Schedule a Meeting

Validating the scheduling process with similar options to starting a meeting.

- Join a Meeting

Checking both valid and invalid meeting ID scenarios.

- In-Meeting Features

Testing the functionality of enabling/disabling the microphone and camera, permissions, screen share, chat, different screen layouts, and inviting guests via home, work numbers, extensions, and email.

- View Past Meetings

Verifying that users can access and review past meetings including details about guests attended vs invited, duration, date, type (conference or webinar), and meeting recordings.

10. Observations and Recommendations

- Observations:

- The overall test execution rate is 90.23%.
- The pass rate of executed test cases is 91.67%.
- Home Page and Join a Meeting modules have higher defect densities, indicating areas that need more attention.
- Modules like Schedule a Meeting and View Past Meetings have lower test coverage and need more focus.

- Recommendations:

- Prioritize resolving critical and high-severity defects.
- Increase test coverage for modules with lower execution rates, especially Schedule a Meeting and View Past Meetings.
- Conduct a root cause analysis for modules with higher defect densities to identify and mitigate common issues.
- Re-test resolved defects to ensure fixes are effective and do not introduce new issues.

11. Conclusion

The testing activities for the Video App are progressing well, with most test cases executed and a high pass rate. However, attention is needed for modules with higher defect densities and lower test coverage. Addressing these areas will help improve the overall quality of the application.

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This test metrics report should be reviewed by the project stakeholders to assess the current status and plan the next steps in the testing process.