

TEST STRATEGY FOR VIDEO APP PROJECT

Test Strategy Document for Video App

1. Introduction

This document outlines the test strategy for the Video App, detailing the scope, approach, resources, and schedule for the testing activities. The aim is to ensure that the application meets the specified requirements and is free of major defects before release.

2. Scope

The testing will cover the following features:

- Home Page
- Login Page
- Start a Meeting
- Schedule a Meeting
- Join a Meeting
- In-Meeting Features
- View Past Meetings

3. Objectives

- Verify the presence and functionality of key elements on the Home Page.
- Test the Login Page with various credentials and options.
- Ensure users can start new meetings.
- Validate the meeting scheduling process.
- Check the process of joining meetings with different meeting ID scenarios.
- Test the functionality of in-meeting features.
- Verify access to past meetings.

4. Test Approach

The testing will be divided into various levels:

- **Unit Testing**: Conducted by developers to ensure individual units of the application are working as expected.
- **Integration Testing**: Ensure that different modules of the application interact correctly.

- **System Testing**: Verify the complete and integrated software product.
- **Acceptance Testing**: Validate the end-to-end business flow.

5. Test Items

The items to be tested include:

- Home Page
- Login Page
- Start a Meeting functionality
- Schedule a Meeting functionality
- Join a Meeting functionality
- In-Meeting features
- Past Meetings page

6. Features to be Tested

Home Page

- Verify the presence of key elements such as navigation menus, search bars, and featured content.
- Test the functionality of these elements.

Login Page

- Test login with correct credentials.
- Test login with incorrect credentials.
- Test the language selection feature.
- Test the guest login option.

Start a Meeting

- Verify that users can initiate a new meeting.
- Ensure that all necessary inputs are required to start a meeting.

Schedule a Meeting

- Validate the process of entering meeting details.
- Test the functionality of saving scheduled meetings.

****Join a Meeting****

- Check the process with a valid meeting ID.
- Test the process with an invalid meeting ID.

****In-Meeting Features****

- Verify the functionality of enabling/disabling the microphone.
- Test the functionality of enabling/disabling the camera.

****View Past Meetings****

- Verify that users can access past meetings.
- Ensure that users can review the details of past meetings.

7. Test Data

Test data will include various user credentials, meeting IDs, and meeting details to cover different scenarios and edge cases.

8. Test Environment

The testing environment will include different browsers and devices to ensure compatibility and responsiveness:

- Browsers: Chrome, Firefox, Safari, Edge
- Devices: Desktop, Tablet, Mobile

9. Test Schedule

Activity	Start Date	End Date
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Test Planning	01-Jul-2024	05-Jul-2024
Test Case Development	06-Jul-2024	12-Jul-2024
Test Environment Setup	13-Jul-2024	15-Jul-2024
Test Execution	16-Jul-2024	22-Jul-2024
Defect Reporting & Retest	23-Jul-2024	25-Jul-2024
Test Closure	26-Jul-2024	27-Jul-2024

10. Entry and Exit Criteria

Entry Criteria:

- Test cases are developed and reviewed.
- Test environment is set up and ready.
- Required test data is available.

Exit Criteria:

- All test cases have been executed.
- All critical defects have been fixed and verified.
- Test summary report is prepared.

11. Deliverables

- Test Strategy Document
- Test Cases
- Test Data
- Test Execution Report
- Defect Report
- Test Summary Report

12. Roles and Responsibilities

- ****Test Manager****: Oversees the testing activities, ensures timelines are met.
- ****Test Lead****: Manages the test team, coordinates testing tasks.
- ****Testers****: Execute test cases, report defects, and retest as needed.
- ****Developers****: Fix defects and provide support during testing.

13. Tools

- Test Management Tool: JIRA
- Defect Tracking Tool: JIRA
- Automation Tool: Selenium (if applicable)

14. Risks and Mitigations

Risks:

- Delay in test environment setup.
- Unavailability of test data.
- High number of defects leading to retest delays.

Mitigations:

- Plan and set up the test environment well in advance.
- Prepare and review test data early.
- Prioritize and fix critical defects first.

15. Approvals

- Project Manager: Jane Doe
- Test Manager: sana kanvinde
- Development Manager: John Doe

This document should be reviewed and approved by all stakeholders before starting the testing activities.