**Project on MXPlayer Video Streaming Platform**

**Test Strategy Document**

**Team Members-**

**Vandana Raheja**

**Tushar Sharma**

**Sangili Vijay**

**Savitha Arunachalam**

**Darshana Hirlekar**

**Guided by**

**Tarun Reddy**

**Thiruvengadam Sundararajan**

**Table of Contents**

[**1. Scope 3**](https://docs.google.com/document/d/1Q0jtTNhXLegQKJtl4Vf9wjC_YypxY2BL/edit#heading=h.gjdgxs)

[**2. Test Approach 4**](https://docs.google.com/document/d/1Q0jtTNhXLegQKJtl4Vf9wjC_YypxY2BL/edit#heading=h.30j0zll)

[**3. Test Environment 5**](https://docs.google.com/document/d/1Q0jtTNhXLegQKJtl4Vf9wjC_YypxY2BL/edit#heading=h.1fob9te)

[**4. Testing Tools 6**](https://docs.google.com/document/d/1Q0jtTNhXLegQKJtl4Vf9wjC_YypxY2BL/edit#heading=h.3dy6vkm)

[**5. Release Control 7**](https://docs.google.com/document/d/1Q0jtTNhXLegQKJtl4Vf9wjC_YypxY2BL/edit#heading=h.3znysh7)

[**6. Risk Analysis 8**](https://docs.google.com/document/d/1Q0jtTNhXLegQKJtl4Vf9wjC_YypxY2BL/edit#heading=h.2et92p0)

[**7. Review and Approvals 9**](https://docs.google.com/document/d/1Q0jtTNhXLegQKJtl4Vf9wjC_YypxY2BL/edit#heading=h.tyjcwt)

# **Scope**

**OVERVIEW:**

MX Player is a video streaming and video on demand platform developed by MX Media & Entertainment. It has over 280 million users globally. The platform currently operates on an ad-supported model and has a streaming library of over 150,000 hours in 11 languages. It is available on IOS, Android and the web. It’s a one-stop app for some of the best Movies, TV Shows, Web Series, Music Videos and Short Videos. The platform lays focus on Exclusive Original Content with emphasis on high-quality Hindi and Regional Languages. The language range includes everything from Malayalam, Tamil, Bengali, Punjabi, Bhojpuri, and Kannada.

1.Project Background: This document should be reviewed and approved by both the Provider and the Customer Program Manager. Provide a brief description of this project, including the purpose of the new or modified system, the functions it will perform, and the business processes that the system is intended to support.

**IN SCOPE:** What are the features to be tested?

* We test the **Login** features of the application.
* We test the **Homepage** features of the application.
* We test the **Shows** features of the application.
* We test the **Movies** features of the application.
* We test the **MX Gold** features of the application.
* We test the **Others** features of the application.
* We test the **Search** features of the application.
* We test the **GO AD -FREE** feature of the application.
* We test the **Notifications** feature of the application.
* We test the **Profile** features of the application.
* We test the **Options** features of the application.

**OUT SCOPE:**

Following are the parameters outside of the provided project-

* Automation testing.
* Performance testing.
* Security testing.
* Load testing.
* Unit Testing.

# **Test Approach**

**Process of Testing**-

* Test strategy
* Test Plan.
* Test Design.
* Test Environment.
* Test Execution.
* Test Report.
* Defect Report.
* Test Summary Report.

**Levels of Testing**- Integration testing, System testing, User Acceptance testing.

**Types of Testing**- Dynamic Testing, Static Testing.

**Testing Approach**- Top-Down Approach

**Roles and Responsibilities-**

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Responsibilities** |
| Vandana | TESTER/TEAM LEAD | Testing -Login,Shows,Homepage Features |
| Sangili Vijay | TESTER | Testing -Others,MX Gold,Homepage Features |
| Tushar | TESTER | Testing - Profile,Options,Homepage Features |
| Darshana | TESTER | Testing-Search,Go-Ad free, Notifications, Homepage Features |
| Savitha | TESTER | Testing-Movies,MX Gold,Homepage Features |

# **Test Environment**

To test the entire project including software and hardware specification.

**Hardware Configurations**:

|  |  |
| --- | --- |
| System | Configurations |
| OS | Windows, Mac |
| Processor | 1GHz, intel core i3 |
| RAM | 4GB |
| Hard disk | 500GB |

**Software Configurations:**

|  |  |
| --- | --- |
| System | Configurations |
| Browser | Chrome , Firefox and Safari |
| OS | Windows 11 |

# **TEST TOOLS**

Tools Needed for execution of the Tests for the Project are following:

|  |  |  |
| --- | --- | --- |
| Tools | About tools | Purpose of tools |
| Jira | Bug/issue tracker | To track the bugs. |
| Zephyr | Test management tool | To create test cases, test cycle and test execution reports. |
| Selenium | Web automation | To test web applications. |
| Postman | API testing tool | Test the behaviour from the backend. |
| GitHub | Source code management tool | To store the files in a repository. |
| Bugasura | Defect Management | To manage the defects. |
| Burp suite | Security testing | End – End security of the applications. |

# **Release Control**

**Employee and project deadline**: The Working days, the Project deadline, Resource availability are the factors which can affect the schedule

**Project estimation**: Based on the estimation, the Test Manager knows how long it takes to complete the project. So he can make the appropriate project schedule

**Project Risk** : Understanding the risk helps Test Manager add enough extra time to the project schedule to deal with the risks

1. MX player as per their schedule in version 2.0
2. During the application development even estimates reveal that it would take 5 months to complete this system with all the identified functionality.
3. Version 2.0(Will release in 25.10.2022)
4. Version .2.1(Will release in 05.11.2022)

# **Risk Analysis**

|  |  |  |
| --- | --- | --- |
| **Risk** | **Mitigation Strategy** | **Impact** |
| Delays in development of the application | Coordination to be maintained with the development team | High |
| Lack of proper skills among the Test team | Required expertise should be provided before execution of the Tests | High |
| Frequently changing requirements | Updation of the SRS documents necessary as per change in requirements | High |
| Testing environment creating delays | Selection of the testing environment configurations should be analysed according to the features of the application | Medium |
| Testing tools not functioning properly | Testing tools should be selected according to the complexity of the feature to be tested | Medium |

# **Review and Approvals**

* Testing activities are specified in Test Strategy documents and then reviewed and signed off by the Business Team, Project Management, Development Team etc.
* Summary of review changes should be traced at the beginning of the document along with approved Date, Name, and Comment
* Testing activities carried out within timelines by-

1. Savitha Arunachalam.
2. Sangili Vijay.
3. Vandana Raheja.
4. Tushar Sharma.
5. Darshana Hirlekar.