Test Plan/Approach Template

<Press Play Video Store>

Version: <Insert version number here>

Date: <06/07/2021>

Author(s); <Liam, Natasha, Freddy>

Classification: Internal use only

**Table of Contents.**

[1.0 Documents 2](#_Toc76457606)

[1.1 Document Detail 2](#_Toc76457607)

[1.2 Document Authorisation 3](#_Toc76457608)

[1.3 Document History 3](#_Toc76457609)

[2.0 INTRODUCTION 4](#_Toc76457610)

[2.1 PURPOSE: 4](#_Toc76457611)

[2.2 OVERVIEW 4](#_Toc76457612)

[2.3 OBJECTIVES 4](#_Toc76457613)

[2.4 SCOPE 5](#_Toc76457614)

[2.5 OUT OF SCOPE 5](#_Toc76457615)

[3.0 TEST METHODOLOGY / STRATEGY 6](#_Toc76457616)

[3.1 Approach 6](#_Toc76457617)

[3.2 Roles 6](#_Toc76457618)

[3.3 Schedule 7](#_Toc76457619)

[3.4 TEST Environment 8](#_Toc76457620)

[4.0 Entry and Exit Criteria 8](#_Toc76457621)

[4.1 Entry Criteria 8](#_Toc76457622)

[4.2 Exit Criteria 8](#_Toc76457623)

[5.0 Tools 8](#_Toc76457624)

[6.0 Test Deliverables 8](#_Toc76457625)

[7.0 RISKS 10](#_Toc76457626)

# 1.0 Documents

## 1.1 Document Detail

|  |  |
| --- | --- |
| Title: | <Enter document title> |
| Version: | <Enter version number> |
| Date: | <Enter date> |
| Electronic File Name: | <Enter electronic file name> |
| Electronic File Location: | <Enter electronic file location> |
| Author: | <Enter author> |

### 

### 1.2 Document Authorisation

|  |  |  |
| --- | --- | --- |
| Document Reviewers | | |
| Name | Role | Type# |
| Manish | Product Owner | <Insert type here> |

***# Mandatory, Information, Author Request, Reviewer***

#### 1.3 Document History

|  |  |  |  |
| --- | --- | --- | --- |
| Document History | | | |
| Date | Version | Author | Description |
| 06/07/2021 | 0.1 | Liam, Natasha, Freddy | Test Plan first draft |

# 2.0 INTRODUCTION

## 2.1 PURPOSE:

The purpose of this test plan is to test the functionality of Press Play Video Store developed by the Engineering team in accordance with the requirements given.

### 2.2 OVERVIEW

This test plan will outline the scope, approach and the schedule of all testing activities for the Press Play Video Store. Both functional and non-functional tests will be utilised in this project to ensure that the testing process is thorough. Furthermore, this test plan will identify the features being tested, the type testing being performed, in addition, to the methods used and associated risks. The test methodology/strategy section will look more into how the tests will be performed and associated tools that will be beneficial to the overall progress of the testing process. Defects will be documented, manage and tracked. An overall defect report will be outlined in the test summary report.

#### 2.3 OBJECTIVES

The objective of this test plan is to create a formal document that details the sites compatibility with the user requirements. The plan is to be reviewed.

##### 2.4 SCOPE

The three main features provided by the engineering team include:

* Attractive front-end including animation.
* Three tiers of online users supported including:
  1. Guest – will require no credentials and can see the top 10 videos.
  2. Customer – needs credentials (username and password) and will view when video is to be returned and select video.
  3. Administrator – Add customers, manage titles and manage members of staff.

In order to be able to test these features we need to incorporate the following testing techniques:

* Functional Testing
  + High level requirement
* Non – Functional Testing
  + Performance testing, Load testing, Stress testing, Usability testing
* Cross – Browser & Device testing

Browsers to be tested on:

* Google Chrome
* Safari
* Firefox

Operating Systems to be tested on:

* Windows 10 OS
* Mac OS

###### 2.5 OUT OF SCOPE

The following requirements are deemed out of scope of this test plan for the Test Play Video Store.

* Testing will not be done on the following browsers Microsoft Edge, Opera and Internet Explorer.
* White box testing techniques such as statement coverage and decision coverage will not be conducted in this project.
* Payment related testing will not be conducted.
* Back-end SQL Database will not be tested.

# 3.0 TEST METHODOLOGY / STRATEGY

## 3.1 Approach

The designated strategy adapted by the team will be Kanplan. The foundation for the approach details a hybrid methodology that combines elements from both Scrum and Kanban, eradicating the needs for sprints but still making use of a backlog as well as integrating a Kanban board. As the project won’t be incremental Kanplan will work best within the confines of the project, while still making use of the backlog inherited from the dev team.

Although we decided on a hybrid approach, we will still be adhering to the roles within the Scrum framework and assigning the role of a Scrum Master who will be maintaining and championing the integrity of the project through the three pillars of scrum (Transparency, adaptation and inspection). The team will take part in daily stand-up meetings which are time-boxed to roughly 15 minutes to monitor progress and encourage communication. To ensure equal workload, the team were divided into functional testes and non-functional testers.

### 3.2 Roles

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Responsibility** |
| Tom Abbott | Scrum Master | Ensuring/maintaining the principles of scrum. |
| Manish | Product Owner | Prioritising items on the backlog. |
| -Ryan Shankar  -Freddy Eytle  -Natasha Chabata  -Amani Suleman  -Seb Jennings  -Liam Huetson  -Samuel Morris  -Anas Ellabbakh  -Jintu Baby  -Christopher Lee | Tester/s | Functional and non-functional testing of ‘Press Play Video Store’ |

|  |  |  |
| --- | --- | --- |
| **Group 1 – Non Functional** | **Group 2 – Functional** | **Group 3 – Functional** |
| Sam | Freddy | Ryan |
| Amani | Chris | Liam |
| Seb | Natasha | Anas |
| Jintu |  |  |

#### 3.3 Schedule

|  |  |  |
| --- | --- | --- |
| **Date** | **Assigned Task** | **Task Completed** |
| 6/7/2021 | Morning Stand-up | Y |
| Delegate responsibilities | Y |
| Begin Test plan | Y |
| 7/7/2021 | Morning stand-up |  |
| Complete Test Plan and have it reviewed |  |
| Create Gherkin syntax for current user stories |  |
| Templates for Test Case, Defect reports ready and available |  |
| Retrospective - 4:30pm |  |
| 8/7/2021 | Morning stand-up |  |
| Update on availability of Software |  |
| Review all documents and confirm that there are completed |  |
| Retrospective – 4:30pm |  |
| 9/7/2021 | Morning stand-up |  |
|  | Begin Testing |  |
|  | Retrospective – 4:30pm |  |
| 10/7/2021 | Morning stand-up |  |
|  | Ensure all documents are up to date |  |
|  | Begin Testing |  |
|  | Begin presentation |  |
|  | Retrospective – 4:30pm |  |
| 11/7/2021 | Morning stand-up |  |
|  | Ensure all documents are up to date |  |
|  | Continue Testing |  |
|  | Retrospective – 4:30pm |  |
| 12/7/2021 | Morning stand-up |  |
|  | Ensure all documents are up to date |  |
|  | Complete Testing |  |
|  | Review documents |  |
|  | Presentation Update |  |
|  | Complete defect summary report |  |
|  | Retrospective – 4:30pm |  |
| 13/7/2021 | Morning stand-up |  |
|  | Review Test Plan ensure exit criteria has been met |  |
|  | Continue to work on presentation |  |
|  | Retrospective – 4:30pm |  |
| 14/7/2021 | Morning stand-up |  |
|  | Complete and Review Presentation |  |
|  | Begin Presentation rehearsals |  |
|  | Retrospective – 4:30pm |  |
| 15/7/2021 | Morning stand-up |  |
|  | Run through presentation |  |
|  | Implement any final changes to presentation |  |
|  | Retrospective – 4:30pm |  |
| 16/7/2021 | Morning stand-up |  |
|  | Retrospective – 4:30pm |  |

#### 3.4 Test Environment

The press play video store will be the test environment. The tests will be conducted on different operating systems/web browsers.

# 4.0 Entry and Exit Criteria

## 4.1 Entry Criteria

* Following conditions need to be met before test execution.
* All the necessary documentation, design and requirement information should be available that will allow testers to operate the system and judge correct behaviour.
* All the testing tools must have been successfully installed and functioning properly.
* Approved test plan, test scenarios have been reviewed.
* Test environment available
* Dependencies may include Operating system and choice of browser.

### 4.2 Exit Criteria

* Planned tested have been executed.
* All defects found have been properly documented.

# 5.0 Tools

Jmeter

Lighthouse

Git Hub

JIRA

# 6.0 Test Deliverables

|  |  |  |
| --- | --- | --- |
| **Deliverable** | **Date Submitted** | **Date Approved** |
| Test plan |  |  |
| Backlog |  |  |
| Test Conditions |  |  |
| Test Cases |  |  |
| Test Procedure |  |  |
| Defect Log |  |  |
| Test Summary Report |  |  |

# 7.0 RISKS

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk** | **Description** | **Likelihood** | **Severity** |
| 1. Time | Inaccurate time and effort estimation and inability to complete tasks at the estimated time. Limited time with software will minimise actual testing time. | Possible Chance | High |
| 1. Version Control | Lack of version control could mean the risk of work duplication and multiple errors when refining and redrafting. This can be time-consuming and affect the overall development and progress of the project. | Minimal chance | Low |
| 1. Internet Issues | Slow internet could affect the productivity and communication levels of the team. It could delay deadlines and may mean people have to work offline. | Highly Likely | Low |
| 1. Usability of tools | Tools may be problematic and unreliable. Results may vary depending on hardware and individual operating systems. For example, when using JMeter there may be some issues when using Mac. | Highly likely | High |

|  |  |
| --- | --- |
| **Likelihood** | **Severity** |
| Imminent | Critical |
| Highly Likely | High |
| Possible Chance | Medium |
| Minimal Chance | Low |
| Very Unlikely | Cosmetic |

Risks will be raised with the Project Manager, who will notify the project stakeholders via the project Risk Log. As all risks are project based and should be part of project standards, testing will not be keeping a separate risk log.

**Pass/Fail Criteria**

* Suspension Criteria: Any situation which impedes the ability to continue testing or value in performing testing leads to suspend testing activities.
* Resumption Criteria: When the problem that caused the suspension had been resolved, testing activities can be resumed.
* Approval Criteria: An item will be considered as ‘Pass’ if it meets the ‘Expected Outcome’ defined in the corresponding test case.