**Test Plan**

*Twitter.com*

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# Introduction

The Primary goal of ‘Twitter.com Phase 1A’ is to easily promote your research, for example by providing links to your blog stories, journal articles and news items. reach a large number of people quickly through tweets and retweets, follow the work of other experts in your field.

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# Purpose

The purpose of the document is to understand the scope and testing methodology adapted for Twitter.com. This document also provides the insight and schedule of the testing activities. Also, to identify the features to be tested, the testing tasks, and the risks associated with this Project. The objective is to find defects and prevent defects which may get created while development. Gaining confidence in and providing information about the level of quality.

# Scope

This document covers features to be tested as a part of Twitter.com Phase A.

# Features to be tested

The QA tester will use the user stories/requirements and FSD to test all of the features related Twitter.com Phase 1A. This will include functional testing, UI, UX testing.

|  |  |
| --- | --- |
|  | **Features** |
|  | **UI** |
|  | **Navigation** |
|  | **Keyboard Shortcuts** |
|  | **Pin a Tweet** |
|  | **Attach images** |
|  | **Advanced search** |
|  | **Customize tweet alerts** |

# Approach

The following are the testing activities that will be conducted for Twitter.com phase 1. This section aims to identify the various testing activities. Detailed plan and approach for each of the activities are given below.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # | Testing Levels | Testing Types | Responsibility | Test Technique | Test Environment |
| 2 | Functional  Testing | * Functional Testing * End-To-End | SQA | Black / Grey  Box | Test Environment |
| 3 | Production Verification | Testing after release | SQA | Black Box | Production Environment |

# Browsers for Twitter.com testing

|  |  |
| --- | --- |
| Browsers | OS Version |
| FF 19.X | Windows 10 |
| IE 8, IE 9 | Windows 10 |
| Chrome 64.X | Windows 10 |
| Safari 11.0.3 | Mac – |
| Safari 11.X | Mac- |
| FF 17.X, FF 16.X | Mac- |
| Chrome .X | Mac |

# Testing Tools

Selenium with Java (Framework-Testng, Approach-Hybrid, Project Management-Maven)

Protractor using Java Script (Pattern-Page object Model)

# Test Data Requirements

1. For the test dataset, check the performances with respect to different segments, as well as different rules.

# Test Phase Entry Criteria

Pre-requisite to begin testing includes:

* All test tools are available and test infrastructures are available for use during testing.
* All features should be code complete and all other dependent systems have completed code drop.
* The correct versions of the code have been deployed the test environment.
* Unit tests have been completed successfully to demonstrate readiness for test

# Test Phase Exit Criteria

Requirement for successful exit include:

* All planned testing activities have been completed.
* All critical and high priority defects have been fixed, retested and resolved.
* Deferred defect list will be compiled for the project team for review and service desk tickets are created.

# Defect Tracking

All the defects would be tracked in Jira.

## 11.1 SQA and UAT Defect Priority Definitions

|  |  |  |
| --- | --- | --- |
| **Defect Scenario** | **Definition** | **Minimum Pass Rate** |
| **P1 – Critical** | System or feature Failure. | Must be fixed in order to Launch |
| No viable workaround is available. |
| **P2 – High** | Revenue Impact: Key functionality/Feature broken or not working as expected. No viable workaround is available | Must be fixed in order to Launch |
| **P3 – Medium** | Non- Revenue Impact: Functionality / Feature not working as expected, but viable workaround exists | Need to be fixed, but product may launch with exception |
| Non-Functional features/UI defect visible to naked eye. |
| . |
| **P4 – Low** | Minor non-functional and non-customer impacting issues. Issue are not visible to naked eye and need pixel ruler to identify. | May be fixed, but not critical for launch |
|  |
|  |
|  |  |  |

# Build Deployment Process

The Build Deployment Team will ensure that once testing begins no changes or modifications are made to the code for the application under test. Any new build or code changes will only be made to fix defects.

# ‘Pass/Fail’ Criteria

Functionality will be compared with each requirement and defined use case (IA, Comps, and functional specification) and all use cases will be mapped to the application. Any missed functionality will be assessed with the business team and if deemed critical or high, the feature will be considered a failure.

# Test Scenario and Test Script Location

The Test Scenarios to be executed for Twitter.com are stored in Confluence. <QA >.

Test Scripts are stored in GitHub.

# Test Deliverables

1. Deliverable 1: **Test Plan**
2. Deliverable 2: **Test Scripts and Test Cases**
3. Deliverable 3: **Test Result, Extent/Allure/HTML Reports, Logs**

# User Acceptance Test

User Acceptance Testing is coordinated between the Business Owners/Requestors and the Release Project Managers.

# Dependencies, Assumptions and Risks

## Dependencies

## Assumptions

The following are the key testing assumptions relevant to Twitter.com Phase 1 Project:

* Completion of testing, complete execution of regression scenarios and on-time certification may be jeopardized if SQA does not have sufficient resources.
* Late delivery of complete code or individual components may result in reduced testing time.

## Risk Assessment

* API bugs fixed and deployed as soon fixes are available.