FACEBOOK SOFTWARE TEST AUTOMATION

# **Test Plan Id:**

FACE\_ST\_TP\_001

# **Introduction:**

* This is the System Test Plan for Facebook, a social networking site, focusing on Software Test Automation.
* The objective is to ensure the seamless functioning of Facebook through automation and manual testing.
* Facebook allows users to connect and share with family and friends online, providing a unique platform for communication.

# **Test Items:**

* Registration
* Sign in
* E-mail verification

# **References:**

* Requirements
* Project Plan
* Test Strategy
* Baseline Document
* Automation Tools Documentation
* Katalon Documentation
* Git Integration Guidelines
* TestCloud Documentation

# **Features to be tested:**

* Sign-in
* Register
* Comment
* Add friends
* Create Post

# **Features not to be tested:**

Not applicable

# **Prior Knowledge Required:**

* Software testing concepts.
* Software Testing Life Cycle (STLC).
* Manual Testing.
* Automation Testing.
* Software Automation process and tools.
* Automation testing process.
* Classification of automation testing tools.
* Difference between Manual and Automation testing.
* Advantages and the need for automation testing tools.

# **Entry Criteria:**

* Test Design:
  + Team formation, responsibilities, schedule, requirements, test case template.
  + Training on Katalon and Automation Tools.
* Test Execution:
  + Readiness of the test lab.
  + Readiness of the Application Under Test (AUT).
  + Availability of requirements, test case documents, test data, and baseline document.
  + Defect Report Template.

# **Exit Criteria:**

* Successful completion of all listed activities.
* Maximum defects fixed, final regression performed successfully.
* Confidence in the test process.
* Time and budget limitations.

# **Suspension Criteria:**

* Discovery of show-stopper bugs.
* Supplier issues.
* Significant changes in requirements.
* High volume of unresolved defects

# **Roles and Responsibilities:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **NAME** | **ROLE** | **RESPONSIBILITIES** | **REMARKS** |
| 1 | Rajkamal S | Test Lead | Test planning, guidance, Monitoring and test control |  |
| 2 | Rajkamal S | Sr. Tester | Test data collection, Generating test scenarios |  |
| 3 | Rajkamal S | Tester | Test case documentation, test execution, defect reporting and tracking for login process |  |

# **Schedule:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SNO** | **TASK** | **DAYS** | **DURATION** | **REMARKS** |
| 1 | Understanding and Analysing requirements | 1 | 10th January |  |
| 2 | Review meeting | 1 | 11th January |  |
| 3 | Generating Test scenarios | 4 | 12th January to 15th January |  |
| 4 | Reviews | 1 | 15th January |  |
| 5 | Test case Documentation | 1 | 16th January |  |
| 6 | Reviews | 1 | 17th January |  |
| 7 | Test data collection | 1 | 18th January |  |
| 8 | Reviews | 1 | 18th January |  |
| 9 | Verifying Test Environment Setup | 1 | 19th January |  |
| 10 | Create Test Batches | 1 | 19th January |  |
| 11 | Sanity Testing | 1 | 19th January |  |
| 12 | Comprehensive testing | 1 | 19th January |  |
| 13 | Sanity Testing | 1 | 20th January |  |
| 14 | Selecting Test Cases | 1 | 20th January |  |
| 15 | Regressing Testing | 1 | 21st January |  |
| 16 | Sanity Testing | 1 | 22nd January |  |
| 17 | Selecting Test Cases | 1 | 22nd January |  |
| 18 | Regression Testing cycle -2 | 1 | 23rd January |  |
| 19 | Final Regression | 2 | 24th January to 25th January |  |
| 20 | Evaluating Exit Criteria | 1 | 26th January |  |
| 21 | Collecting all artifacts | 1 | 26th January |  |
| 22 | Test Summary Report | 1 | 27th January |  |

# **Training:**

* Training program on Software Testing Concepts, STLC, Manual Testing, and Automation Testing.
* Specialized training on Katalon and Automation Tools.

# **Risks and Mitigations:**

* Nil

# **Test Environment/Lab:**

* Application Type: Web Application - Facebook.
* Server Side:
  + Facebook Meta Server
* Client Side:
  + Windows 11
  + Chrome
* AUT Environment:
  + React js

# **Test Deliverables:**

* Test Plan
* Test cases
* Test log and reports

# **Approvals:**

|  |  |  |  |
| --- | --- | --- | --- |
| **SNO** | **TASK/S** | **AUTHOR/ RULE** | **DATE & SIGNATURE** |
| 1 | Test plan documentation | Rajkamal S |  |
| 2 | Review |  |  |
| 3 | Approval | SmartBridge |  |

# **Glossary:**

* AUT: Application Under Test
* UI: User Interface
* STLC: Software Testing Life Cycle
* Katalon: Automation Testing Tool