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**Project Title: Facebook Registration Page Testing**

*URL:* [*https://www.facebook.com/r.php?entry\_point=login*](https://www.facebook.com/r.php?entry_point=login)

# Introduction

## Purpose

*This test plan outlines the overall testing approach, execution strategy, and management activities for validating the functionality, usability, security, and performance of the Facebook registration page: https://www.facebook.com/r.php?entry\_point=login.*

## Project Overview

*The Facebook registration page allows new users to create an account by entering personal information such as name, email/phone number, password, date of birth, and gender. This test plan focuses on verifying that the registration process works as expected under various scenarios.*

# Scope

## In-Scope

* *Registration form fields (name, email, password, birthday, gender)*
* *Field validations (e.g., required fields, email format, password strength)*
* *User registration submission and success page*
* *Error messages for invalid input*
* *CAPTCHA or bot protection (if any)*
* *Responsiveness (mobile/desktop)*
* *Accessibility (basic WCAG compliance)*
* *Security testing (input validation, protection against SQL Injection/XSS)*
* *Specify interfaces, process, workflow, vendor integration.*

## Out-of-Scope

* *Facebook login page and login functionality*
* *Other features on Facebook (News Feed, Profile, etc.)*
* *Backend services (database integration) beyond front-end validation*
* *Email verification process after registration*

# Testing Strategy

## Test Objectives

* *Validate that all required fields accept valid input and reject invalid input.*
* *Ensure successful account creation with valid data.*
* *Verify appropriate error messages for missing/invalid data.*
* *Check for proper data validation and security (e.g., input sanitization).*
* *Confirm cross-browser and device compatibility.*
* *Verify accessibility compliance.*

## Test Assumptions

* *Test environment mirrors the production environment.*
* *Test data will be created and disposed of as needed.*
* *Functional specifications and requirements are complete.*

## Data Approach

* *Use realistic test data (names, email formats, etc.).*
* *Include edge cases (very long names, special characters).*
* *Negative test cases (invalid formats, blank fields).*

## Level of Testing

*List the types of testing to be performed*.

| **Test Type** | **Description** | **Responsible Parties** |
| --- | --- | --- |
| Unit testing | Performed by developers to verify individual components. | Developers, Testers |
| Functional testing | Validate the complete registration flow end-to-end. | QA Analysts, Testers |
| User Acceptance | Ensure the page meets user expectations and is easy to use. | Business Stakeholders, QA |
| Regression testing | Testing to confirm fixes and no breakage after updates. | QA Analysts, Testers |

## Unit Testing

* *Fields: Name, Email/Phone, Password, DOB, Gender.*
* *Form submission and error message handling.*

Participants:

| **Tester’s Name** | **Department/ Area** | **Role** |
| --- | --- | --- |
| Rajan Thapa | Engineering | Test Manager |
|  |  |  |
|  |  |  |

## Functional Testing

* All form field validations.
* Error messages.
* Success scenarios.
* Redirects and link validations.

Participants:

| **Tester’s Name** | **Department/ Area** | **Role** |
| --- | --- | --- |
| Mohan Gurau | Complete registration workflow | QA Tester |
|  |  |  |
|  |  |  |

## User Acceptance Testing

* Confirm that registration is intuitive and straightforward.
* Ensure compliance with accessibility guidelines.

Participants:

| **Tester’s Name** | **Department/ Area** | **Role** |
| --- | --- | --- |
| Rita Mahato | Business | Tester |
| Ram Thanet | Product Owner | Test manager |
|  |  |  |

## Regression Testing

* Retest all previously tested features after any code changes or fixes.

Participants:

| **Tester’s Name** | **Department/ Area** | **Role** |
| --- | --- | --- |
| Gopal Hamal | Quality Assurance | Tester |
|  |  |  |
|  |  |  |

# Execution Strategy

## Entry Criteria

| **Entry Criteria** | **Test Team** | **Technical Team** | **Notes** |
| --- | --- | --- | --- |
| *Test environment(s) is available* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| *Test data is available* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| *Code has been merged successfully* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| *Development has completed unit testing* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| *Test scripts are completed, reviewed and approved by the Project Team* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |

## Exit criteria

| **Exit Criteria** | **Test Team** | **Technical Team** | **Notes** |
| --- | --- | --- | --- |
| *100% Test Scripts executed* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |  |
| *90% pass rate of Test Scripts* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |  |
| *No open Critical and High severity defects* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |  |
| *All remaining defects are either cancelled or documented as Change Requests for a future release* |  |  |  |
| *All expected and actual results are captured and documented with the test script* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |  |
| *All test metrics collected based on reports from daily and Weekly Status reports* |  |  |  |
| *All defects logged in Defect Tracker/Spreadsheet* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |  |
| *Test environment cleanup completed and a new back up of the environment* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |  |

## Validation and Defect Management

* *Test cases/scenarios are validated manually using checklists and documented test cases.*
* *Defects tracked via JIRA/Defect Tracker.*
* *Testers are responsible for logging, retesting, and closing defects.*

Defects found during the Testing should be categorized as below:

| **Severity** | **Impact** |
| --- | --- |
| *1 (Critical)* | * *Registration blocked* |
| *2 (High)* | * *Major functionality unavailable* |
| *3 (Medium)* | * *Issues with workaround* |
| *4 (Low)* | * *Cosmetic/UI issues* |

# Environment Requirements

## Test Environments

* *Browsers: Chrome, Firefox, Edge, Safari*
* *Secure network environment with HTTPS enabled*
* *QA Environment replicating production setup*

# Significantly Impacted Division/College/Department

| **Business Area** | **Business Manager** | **Tester(s)** |
| --- | --- | --- |
| Facebook Web Development | Dev Manager | QA |
|  |  |  |
|  |  |  |

# Dependencies

* *Availability of test environment and data*
* *Availability of the registration page deployment*
* *Developer support for fixing defects*