Test Plan For Instagram

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**TABLE OF CONTENTS**

1.0 INTRODUCTION

2.0 OBJECTIVES AND TASKS

2.1 Objectives

2.2 Tasks

3.0 SCOPE

4.0 Testing Strategy

4.1 Alpha Testing (Unit Testing)

4.2 System and Integration Testing

4.3 Performance and Stress Testing

4.4 User Acceptance Testing

4.5 Batch Testing

4.6 Automated Regression Testing

4.7 Beta Testing

5.0 Hardware Requirements

6.0 Environment Requirements

6.1 Main Frame

6.2 Workstation

7.0 Test Schedule

8.0 Control Procedures

9.0 Features to Be Tested

10.0 Features Not to Be Tested

11.0 Resources/Roles & Responsibilities

12.0 Schedules

13.0 Significantly Impacted Departments (SIDs)

14.0 Dependencies

15.0 Risks/Assumptions

16.0 Tools

17.0 Approvals

**1.0 INTRODUCTION**

We will be testing the Instagram Application basic and important functionality

**2.0 OBJECTIVES AND TASKS**

**2.1 Objectives**

We will be using this document to define the scope of testing and task to be performed by an individual and different kinds of testing needs to be performed before deliverable. Hence this document will be used as a service level agreement.

**2.2 Tasks**

List of all tasks are as below

* Unit test results should be shared with the QA team.
* Smoke tests should not have any Blocker/Major defect.
* Feature tests should not have any Blocker/Major defect.
* RTM should be prepared for each feature.
* Details test case for each feature.
* Test execution report for each feature.
* Defect report report for each feature.

**3.0 SCOPE**

**Features to be tested**

* Users are able to register/signup
* Users are able to login to the application.
* Users homepage should display recent follower/followed Images.
* Ueers Search tab should display most search items
* Users Reel tab should display all the recommended reels
* Users Activity tab should display all followed user activity
* Users Profile tab should all the uploaded Images with edit option
* User should able upload Images/videos
* User should able to delete uploaded Images and videos

**Features not to be tested**

* We will not perform non functional scenarios.
* We will not use the older version of android /ios (older than 2020).

**4.0 TESTING STRATEGY**

Wewill be performing smoke tests on the build when the unit test result is provided by the developer. Once the smoke test is done we perform a sanity test on the provided feature when the build does not have any blocker defect then we will make progress on feature testing. Once feature testing is completed before closing the feature defect report and test execution report needs to be attached.

**4.1 Unit Testing**

Developers should perform unit tests before providing a build to QA. Unit test should have all the high level test which removes blocker from the builds

**4.2 Feature Testing:**

QA should perform a round of smoke test on receiving a new build. If there is no blocker then QA should perform a round of sanity tests and then start the feature testing on a build. QA should start the feature testing once they completed have RTM , functional test cases and regression test cases on completion of feature testing QA should provided RTM report, Test execution report and defect metrics

**4.3 System and Integration Testing**

After completion of the feature test QA should start with a system and Integration test. QA team should provide execution report and defect metrics before closing the system and Integration test

**4.4 Performance and Stress Testing**

After completion, non functional teams can start their test execution on the build.

**4.5 User Acceptance Testing**

Product owner should do a round of UAT on per release build.

**4.6 Automated Regression Testing**

Automation team should run their regression test on the pre release build and test execution result should be share with the team

**4.7 Beta Testing**

Once the build is release a round of beta testing needs to be perform on production environments

**5.0 HARDWARE REQUIREMENTS**

Computers/laptop Minimum 4gb RAM, 100GB HDD

Mobile phone Minimum 1gb RAM , 8GB HDD

**6.0 ENVIRONMENT REQUIREMENTS**

**6.1 Main Frame**

Specify both the necessary and desired properties of the test environment. The

specification should contain the physical characteristics of the facilities, including the

hardware, the communications and system software, the mode of usage (for example,

stand-alone), and any other software or supplies needed to support the test. Also specify

the level of security which must be provided for the test facility, system software, and

proprietary components such as software, data, and hardware.

Identify special test tools needed. Identify any other testing needs (for example,

publications or office space). Identify the source of all needs which are not currently

available to your group

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**6.2 Workstation**

**7.0 TEST SCHEDULE**

Include test milestones identified in the Software Project Schedule as well as all item

transmittal events.

Define any additional test milestones needed. Estimate the time required to do each

testing task. Specify the schedule for each testing task and test milestone. For each

testing resource (that is, facilities, tools, and staff), specify its periods of use.

**8.0 CONTROL PROCEDURES**

Problem Reporting

Document the procedures to follow when an incident is encountered during the testing

process. If a standard form is going to be used, attach a blank copy as an "Appendix" to

the Test Plan. In the event you are using an automated incident logging system, write

those procedures in this section.

Change Requests

Document the process of modifications to the software. Identify who will sign off on the

changes and what would be the criteria for including the changes to the current product.

If the changes will affect existing programs, these modules need to be identified.

**9.0 RESOURCES/ROLES & RESPONSIBILITIES**

Specify the staff members who are involved in the test project and what their roles are

going to be (for example, Mary Brown (User) compile Test Cases for Acceptance

Testing). Identify groups responsible for managing, designing, preparing, executing, and

resolving the test activities as well as related issues. Also identify groups responsible for

providing the test environment. These groups may include developers, testers, operations

staff, testing services, etc.

**10.0 SCHEDULES**

Major Deliverables

Identify the deliverable documents. You can list the following documents:

- Test Plan

- Test Cases

- Test Incident Reports

- Test Summary Reports

- Defect Report

**11.0 SIGNIFICANTLY IMPACTED DEPARTMENTS (SIDs)**

Department/Business Area Bus. Manager Tester(s)

**12.0 DEPENDENCIES**

Identify significant constraints on testing, such as test-item availability, testing-resource

availability, and deadlines.

**13.0 RISKS/ASSUMPTIONS**

Identify the high-risk assumptions of the test plan. Specify contingency plans for each

(for example, delay in delivery of test items might require increased night shift

scheduling to meet the delivery date).

**14.0 TOOLS**

List the Automation tools you are going to use. List also the Bug tracking tool here.

**15.0 APPROVALS**

Specify the names and titles of all persons who must approve this plan. Provide space for

the signatures and dates.

Name (In Capital Letters) Signature Date

1.

2.

3.

4.