**Questionnaire for Testing the Proposed Mobile-based Application**

**Questionnaire goals:**

Through mobile devices, visitors can access reliable content related to cultural heritage sites around the world. The user can search for any desired site, and details related to it will be provided in a timely and elegant interface. Users can express their information needs by using keywords to describe their information needs. Or search by using the current location (to recover historical places and events related to the place where the visitor is located), taking into account the network’s availability. The developed application allows users to take photos and upload them online to be shared with their friends enabling them analyze the photos based their captions.

**Information about user evaluated, (select your category):**

1. IT experts.

2. Cultural heritage experts.

3. Normal users.

**Note**: Rating (1, 2, 3, 4, 5), where (1) is bad, and (5) Excellent.

**In this questionnaire, we present the program test components related to mobile devices within the following basic elements:**

|  |  |  |
| --- | --- | --- |
|  | **Types of Test Cases** | |
| **1** | **Function Requirement test** | **Ranking (1,2,3,4,5)** |
|  |  |  |
|  | Verify that application allows users to search by using keywords |  |
|  | Verify that application allows users to search by using device location |  |
|  | Verify that application allows users to search by using image capture by camera |  |
|  | Verify that application allows users to search by using image in gallery |  |
|  | Verify that application should be Installed successfully. |  |
|  | Verify that application should be Uninstalled successfully. |  |
|  | Verify that user should able to accept Phone calls when application is running and should continue from the same point. |  |
|  | Verify that user should able to accept messages when application is running and should continue from the same point after reading the message. |  |
|  | Verify that user should able to see proper error message when device memory is low. |  |
|  | Verify that user should able to see the alert when battery is low. |  |
|  | Verify that application should not consume more battery |  |
|  | Verify that application should run when inserting the charger. It will not affect the application |  |
|  |  |  |
| **2** | **Functional Test** | **Ranking (1,2,3,4,5)** |
|  |  |  |
|  | Verify that application provide information related to keywords that used in search |  |
|  | Verify that application provide information related to device location |  |
|  | Verify that application provide information related to image captured that takin by mobile camera |  |
|  | Verify that application provide information related to image upload from gallery |  |
|  | Test all the mandatory fields should be validated. |  |
|  | Test the asterisk sign should display for all the mandatory fields. |  |
|  | Test the system should not display the error message for optional fields. |  |
|  | Test the max length of every field to ensure the data is not truncated. |  |
|  | Should display if the data reaches the maximum size of the field. |  |
|  | Test the functionality of the buttons available |  |
|  | Test the Privacy Policy & FAQ is clearly defined and should be available for users. |  |
|  | Test if any functionality fails the user gets redirected to the custom error page. |  |
|  | Test for proper network error message during improper network connection. |  |
|  | Test the smooth installation of the application provided all requirements are fulfilled. |  |
|  | Test for required page scrolling scenarios. |  |
|  | Test if application restarts at the same point after a system crash. |  |
|  | Test if application does not hinder the multitasking capability of the device. |  |
|  |  |  |
| **3** | **Usability Test** | **Ranking (1,2,3,4,5)** |
|  |  |  |
|  | Ensure the application is displaying properly. |  |
|  | Test the images display correctly. |  |
|  | Test the fonts are usable. |  |
|  | Mobile page content should be correct without any spelling or grammatical errors |  |
|  | All fonts should be same as per the requirements. |  |
|  | All the text should be properly aligned. |  |
|  | All the error messages should be correct without any spelling or grammatical errors and the error message should match with the field label. |  |
|  | Tool tip text should be there for every field. |  |
|  | All the fields should be properly aligned. |  |
|  | Enough space should be provided between field labels, columns, rows, and error messages. |  |
|  | All the buttons should be in a standard format and size. |  |
|  | Check the application on different resolutions (640 x 480, 600x800 etc.?) |  |
|  | Check the end user can run the system without frustration. |  |
|  |  |  |
| **4** | **Performance Test** | **Ranking (1,2,3,4,5)** |
|  |  |  |
|  | To determine the performance, stability and scalability of an application under different load conditions |  |
|  | To determine if the current architecture can support the application at peak user levels. |  |
|  | To identify application and infrastructure bottlenecks. |  |
|  | To determine if the new version of the software adversely had an impact on response time |  |
|  |  |  |
| **5** | **Security Test** | **Ranking (1,2,3,4,5)** |
|  |  |  |
|  | Verify the error messages should not display any important information. |  |
|  | Verify the application request user permission when used mobile camera or device location |  |
|  | Verify the application does not use any service or other application without request user permission. |  |
|  | Verify if, any functionality is not working, the system should not display any application, server, or database information. Instead, it should display the custom error page. |  |
|  | Verify the cookies should not store passwords. |  |
|  | Verify the important operations are written in log files, and that information should be traceable. |  |
|  | Verify the SQL injection attacks. |  |
|  | Verify the “View Source code” option is disabled and should not be visible to the user. |  |
|  |  |  |