Image Gallery Application

A tool which helps to fetch and download images in PDF Format directly from application.

Test Scenarios for the APP:

The goal of this testing is to provide clear understanding of what needs to be tested and without proper understanding, we will not be able to develop a plan for testing hence there will be no testing. Below are some requirements to test the Image Gallery.

* Verify that you have downloaded the original setup file of this software.
* Verify that your system has minimum 512 MB of Ram to run this application.
* Verify that your system has minimum 200MB of free storage in the disk.
* Verify that your system is running on Windows 7 or Higher.
* Verify that your system processor is i3 or higher which helps the application to run smoothly.
* Verify that you have installed Visual Studio 2012 or higher.
* Verify that you are connected to internet.

**Installing Software**:

Functional Testing

This feature is to be test the installation of the software and running the software for the first time.

Usability Testing

* Test if the installation process should start immediately after opening the setup.
* Verify that it asks for the Drive and Folder for the installation files.
* Verify that the installation is properly done after selecting file and folder.

Opening the App

We verify that while opening the App, there will be a search bar in which you can search for any image, if the image will be found in the database, it will show below in gallery format.

Expected Result

App should open immediately.

**Searching**:

Functional Testing

We perform Searching images via the search bar on the top of the screen.

Scenarios:

* Performing Searching a title for image.
* Performing entering details.
* Performing clicking the search button to search the text in Search bar.
* Checking if the images are displaying in the gallery according to search text.
* Performing searching images without internet connection.

Usability Testing:

* Perform that if the user is able to enter data into search bar.
* Performing that user is able to search the image.
* Performing that the user is able to get images in the gallery according to search text.
* Perform that if the internet is not connected, you should see a message “Error Cannot Connect to the Server”.

Expected Result

User should get image as per the search text in the gallery format and if the internet is not connected user should be able to get sample images.

**Downloading Images in PDF:**

Functional Testing

We perform operations to check if selected images are getting downloaded in the PDF Format.

Scenarios:

* Performing that user is able select the images by Right-Clicking.
* Performing that the user is able to select multiple images.
* Performing that the results are received after entering data in search bar.
* Performing that result is changed after changing of input data.
* Performing that Download to PDF Button is visible after selecting one or more images.
* Performing that user is able to save the PDF in the path.

Usability Testing

* Perform search image and select one or more images with Right-Click.
* Perform Clicking download to pdf button after selecting images.
* Performing save to drive with entering filename.
* Performing opening the pdf and check if the selected images are there or not.

Expected Output

User should be able to download the images that are selected from the gallery.

**Performance Testing**:

Functional Testing

We perform performance check operations by performing searching the images.

Scenarios:

* Performing that user is able to open the App immediately
* Performing that the user is able to search data from textbox.
* Performing that the result is received after entering data
* Performing that result is changed after changing of input data and clicking search button.
* Performing that app closes instantly.

Usability Testing

* Perform open app and see if it opens immediately
* Perform adding input data and see if the results are received right after entering data, if the internet is not connected, it will give error and display sample images.
* Performing changing data to get different images.
* Performing closing application.

Expected Output

User should be able to immediately receive images whenever different images searched.

**Stress Testing**:

Functional Testing

We perform Stress test operations to perform some stress on software.

Scenarios:

* Performing that user is able to get multiple images.
* Performing that user can select multiple images without delay.
* Performing that the images changes after different search string searched.
* Performing downloading PDF Files with all images
* Performing that the user searching without internet.

Usability Testing

* Performing search operations and get results.
* Performing selecting multiple images
* Performing changing search texts and receiving different images.
* Performing downloading all files
* Performing searching without internet.

Expected Output

User should be able to receive results, download images whenever connected to internet and should receive message when not connected to internet.