

# *Test Plan* *for* *SkyBar Photo Management System*

**Group ID: R01**

*Abhyuday Choumal-CS20B1001,  
Beerelly Srinitha-CS20B1004,  
Kaustubh Kesharwani-CS19B1015,  
Rakesh Kumbhkar-CS20B1017,  
Sikander Kathat-CS20B1020,  
Yugal Garg-CS20B1027.*

*Instructor: Manish Singh  
Course: Software Engineering (CS210)  
TA's: Suryamukhi K, Ashish Kishor  
Date: 5th May 2022*

# Test plan for SkyBar

This document contains a detailed listing of the test cases to be used on SkyBar. These test cases are used for system-level testing.

The basic operations present in the software are

1. Installation( How to Initialize)
2. GUI and display unit
3. Creation of profiles. (Creating a profile via google authentication)
4. Uploading Photos.
5. Deletion of Photos
6. Displaying the data in the database.

Test cases are designed for all these operations.

## 1. Installation( How to Initialize).

Test case ID	Purpose	Steps	Expected Result
1.	Initialization of SkyBar	For this web application we have to first start both clients and server portals with the use of the 'npm start' command key with the terminal to the respected directory.	We will start the backed server and the front-end server
2.	log in to the site	Sign in with a valid google mail id	You will be Signed in

## 2. GUI and display unit.

1.	GUI Validation	Start the web application. And Redirect to the login page. Then Enter the username and password or use google id to Sign in to the dashboard.	When we start the web application through npm then it will directly open with the home page and the option to Sign in or sign up. Sign-in Window will have a box for entries of the username and password and a button for submitting entries. Password will be shown as an encrypted password.
2.	Valid login	Enter your valid email id and valid password or use authenticated google id to Sign in and click on sign in.	After putting the correct data user will be directed to the home page of the dashboard
3.	Invalid user name	Enter your Invalid email id and valid password or use an unauthenticated google id to Sign in and click on sign in.	An error message will be popped up with a warning of wrong data has been entered. An invalid user name has been entered.
4.	Invalid Password	Enter your valid email id and Invalid password or use an unauthenticated google id to Sign in and click on sign in.	An error message will be popped up with a warning of wrong data has been entered. An invalid password has been entered.

### **3. Creation of profiles. (Creating a profile via google authentication).**

The profile data will be automatically taken from the user's authenticated google account and the name and image which are used for the respective Google account will be displayed on the portfolio page. As we are using free google token it will work for 1 hr and the user has to log in again through the same google account to access the same data.

### **4. Uploading Photos.**

After Signing in through the authorized google account user now can redirect to the portfolio page and the upload image window will be displayed on the page. The user has to put Title, Description, Tags, and browse images from their local storage and click on submit button. Click on the clear button to remove data that was filled inside the window. With Clicking on submit button image will be shown on their portfolio page from the database.

### **5. Deletion of Photos.**

After uploading the image if the user wants to delete the image from his portfolio. There is a delete button attached with the image. So which image do users want to delete they have to click on the button delete. By Clicking on the button delete the image will be deleted from the portfolio page and from the database too.

## 6. Edit and Like Photos.

After uploading the image if the user wants to edit the image from his portfolio. There is a edit button attached with the image. So which image do users wants to edit they have to click on the button edit. By Clicking on the button edit user have option to edit all details and change the image too and updation will be shown in database also.

On the other hand user can also like there photo to make them as separate from other images too. For that also they have button on the photo post and by clicking only they can like the photo.

## SkyBar: Testing Report.

### Failed test cases:

Test Case	Details	Remarks
Deleting an image	While deleting the photos some routes were different.	There was a syntax error. "FIXED".
Log in as a local user	There was a routing problem, the backend is not getting data.	"UNFIXED".
Sign Up as a local user	There was a routing problem, the backend is not getting data.	"UNFIXED".
Likecounter	Likes count is not showing.	Likes are increasing but implemented in the front end. "UNFIXED".

