

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Session: Jan 2021 – May 2021

**Object Oriented Analysis and Design with Software
Engineering Laboratory**
Subject Code: UE18CS355

Project Title: Photo Editor

Project ID: 18

Section: 'D'

Batch Details:

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Functionality Lists: -

- 1. Manage Photos**
- 2. Edit Photos**
- 3. Share Photos**
- 4. Folder Management**

TEST CASES

Individual Contributions: -

1. Prema Ramappa Hanchinal (PES2201800702) - 1&2
2. Akshat Vedant (PES2201800132) - 3
3. Hritik Saxena (PES2201800125) - 4

1. Manage Photos

Test Case ID	Name of Module	Test Case Description	Pre-Conditions	Test Steps	Test Data	Expected Result	Actual Result	Test Result
UT-01	Manage Photos	Select local photos to upload	User should run photo editor	1.Compile the editor.py 2.Click the open image button	Photos Should be Available	After successful uploading, the uploaded photos are displayed	After successful uploading, the uploaded photos are displayed	Photo uploading function is working well
UT-02	Manage Photos	Picking JPG,PNG,JPEG Image format	User should run photo editor	1.Compile the editor.py	Images formats are JPG,PNG,JPEG	Successfully uploaded the image	Successfully uploaded the image	PASS
UT-03	Manage Photos	Picking Image Size upto 1 MB size	User should run photo editor	1.Compile the editor.py	Images of 1 mb size must be available	Successfully uploaded the image	After successful uploading, the uploaded photos are displayed in the page	PASS
UT-04	Manage Photos	View the Image before Editing	User should run photo editor	Compile and run the .py file	Image is getting modified	Displaying the image	Image is Displayed	PASS
UT-05	Manage Photos	Editing Image Size up to 5 MB size	User should run photo editor	Compile and run the .py file	Image of 5 mb should be available	Successfully uploaded the image	Successfully uploaded the image	PASS
UT-06	Manage Photos	Viewing the Image after editing	Editing the image	Selecting any buttons to edit like rotate ,flip etc	Photo is available			PASS

UT-07	Save image	Saved the edited image	Open a image	Selecting any buttons to edit like rotate ,flip etc	Photo is getting saved	Image is getting saved	New image is saved successfully	PASS
UT-08	Save photo	Any path can be selected to save the image	Open a image		New photo is getting saved to any path	New image is saved to any selected path successfully	New image is saved to selected path Successfully	PASS
UT-09	Revert to Original	Reset back to original image	Edit the image	1.Compile the editor.py 2.click the revert to original button	Original image is displayed	Original image is displayed	Original Image is displayed Successfully	PASS
UT-10	QUIT	Exit from photo editor	User should run photo editor	1.Compile the editor.py 2.click the QUIT button	Photo editor will be closed	Photo editor is getting closed	Photo editor is getting closed successfully	PASS

2.Edit Photos

Test Case ID	Name of Module	Test Case Description	Pre-Conditions	Test Steps	Test Data	Expected Results	Actual Result	Test Result
UT-01	Rotate left	Rotate the image left by 90 degree	User should run photo editor	1.Compile the editor.p y 2.click the Rotate left button	Image is getting rotated	Image should rotate left by 90 degree	Image is rotated left by 90 degree successfully	PASS
UT-02	Rotate Right	Rotate the image right by 90 degree	User should run photo editor	1.Compile the editor.p y 2.click the Rotate left button	Image is getting rotated	Image should rotate right by 90 degree	Image is rotated right by 90 degree successfully	PASS
UT-03	FLIP HORIZONTAL	Image is Flipped Horizontally	User should run photo editor	1.Compile the editor.p y 2.click the Flip Horizontal button	Image is getting Flipped by horizontal	Image should FLIP Horizontal	Image is Flipped Horizontally	PASS
UT-04	FLIP Vertical	Image is Flipped Vertical	User should run photo editor	1.Compile the editor.p y 2.click the Flip Vertical button	Image is getting Flipped by Vertical	Image should FLIP Vertical	Image is Flipped Vertically	PASS

UT-05	Brightness UP	Brightness is increased	User should run photo editor	1.Compile the editor.p y 2.click the Brightness UP button	Image brightness is increased	Image brightness should be increased	Image brightness should be increased successfully	PASS
UT-06	Brightness Down	Brightness is Decreased	User should run photo editor	1.Compile the editor.p y 2.click the Brightness Down button	Image brightness is Decreased	Image brightness should be Decreased	Image brightness should be Decreased successfully	PASS
UT-07	Contrast up	Contrast is Getting increase	User should run photo editor	1.Compile the editor.p y 2.click the Brightness Contrast up	Increase d the separation between dark and bright	Should Increase the separation between dark and bright	Increased the separation between dark and bright successfully	PASS
UT-08	Contrast Down	Contrast is Getting Decreased	User should run photo editor	1.Compile the editor.p y 2.click the Brightness Contrast up	Increased the separation between dark and bright	Should Increase the separation between dark and bright	Increased the separation between dark and bright Successfully	PASS

3. Share Photos

Test Case ID	Name of Module	Test Case Description	Pre - Condition	Test Steps	Test Data	Expected Result	Actual Result	Test Result
UT-1	Share Photos	Selecting photos to be shared	The photos should be stored in my system.	Opening the folder in which the photos are stored and then selecting them.	Photos should be there.	The photos that we want to send should be selected.	The photos that we want to send should be selected successfully	PASS
UT-2	Share Photos	Selecting the format of the photos(Jpeg,Png ,JPG	The photos should be stored in my system.	Opening the folder in which the photos are stored and then selecting them.	Photos should be there	The format in which we want to send should be selected.	The format in which we want to send should be selected successfully.	PASS
UT-3	Share Photos	Security	Photos should only be available to the root user.	Only the root user can access the photos to be sent.	Photos are in the encrypted folder.	Only the person who has the access can send the photos.	Only the person who has the access can send the photos.	PASS
UT-4	Share Photos	Mode of Transfer(Through USB)	The photos should be stored in my system and the system should have	Selecting the photos and copying them to the USB drive.	Photos in the USB.	Photos have been copied in the USB and can be given to	Photos have been copied in the USB and can	PASS

			a working USB port.			the receiver	be given to the receiver successfully	
UT-5	Share Photos	Mode of Transfer(Through Email)	The photos should be stored in my system and Receiver and sender should have a working email.	Selecting the photos and uploading them and sending them to the receivers E-mail.	Photos that have been uploaded.	The receiver should receive the photos through their Email.	The receiver should receive the photos through their Email successfully..	PASS
UT-6	Share Photos	Mode of TransferThrough Social media(Facebook,Instagram,Whatsapp,Me ssenger)	The photos should be stored in the system and Receiver and sender should have a valid social media handle.	Uploading the selected photos to the receivers social media chat box and then sending them.	Photos that have been uploaded on the receivers handle.	The receiver should receive the photos through their Social media	The receiver should receive the photos through their Social media successfully.	PASS
UT-7	Share Photos	Mode of Transfer (Bluetooth)	The photos should be stored in the system and Receiver and sender should have active Bluetooth pairing.	Selecting the photos and sending them over Bluetooth.	Photos that have been selected for Bluetooth transfer	The receiver should receive the photos over Bluetooth.	The receiver should receive the photos over Bluetooth successfully.	PASS

UT-8	Share Photos	Sharing Completed	The receiver should have received all the photos.	All the photos have been sent through different platforms.	The photos that have been sent	All the photos shared with the receiver.	All the photos shared with the receiver successfully.	PASS
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4. Folder Management

Test Case ID	Name of Module	Test Case Description	Pre - Condition	Test Steps	Test Data	Expected result	Actual Result	Test Result
UT-1	Save a photo to a folder	Upload any edited photo to the folder	User should run photo editor	Select an edited photo	New photo is saved to the folder	New photo is saved to the folder	New photo is saved to the folder successfully	PASS
UT-2	Delete a photo from the folder	Delete any edited photo from the folder	User should run photo editor	Select an edited photo	Photo is deleted from the folder	Photo is deleted from the folder	Photo is deleted successfully	PASS
UT-3	Moving photos	Select photos and move to another album folder	User should run photo editor	Select an edited photo	The current page no longer displays the photo, and views the target album, including the photo	The current page no longer displays the photo, and views the target album, including the photo	The photo is moved successfully to a different folder	PASS

UT-4	Access a collection	Select the collection item	User should run the photo editor		Jump to the corresponding target interface	Jump to the corresponding target interface	Target interface opened successfully	PASS
UT-5	Delete a collection	Select the collection item to delete	User should run the photo editor		Favorite page does not display this collection target anymore	Favorite page does not display this collection target anymore	Function of deleting collection item is working well	PASS
UT-6	Create a new album	Create a new album, enter the album name	User should run the photo editor	Open the folder	Show named album	Show named album	Function of creating a new album is normal	PASS
UT-7	Select sorting methods	Select the photo sorting method in the works display page, with sorting according to the upload time	User should run the photo editor	Open the folder	All sorting according to the relevant demands	All sorting according to the relevant demands	Function of photo sorting is working well	PASS
UT-8	Share Folder	Share the selected folder	The receiver should have received the folder	The folder has been sent through different platforms.	The folder that has been sent	The folder shared with the receiver.	The format in which we want to send should be selected	PASS