CSCI 5601 – Milestone

Group Information

Group Name: Yellow

Group Project: Photos++ on phones

Purpose, Objectives and Background

Study Purpose

The purpose of the study is to understand how a good user experience(UX) can be provided to the users to organize, track and share memories on a phone. The study explores how users can organize photos or videos based on an event or a particular moment and share those photos or videos to specific target groups such as visually impaired users and old-age users. The study also examines how these photos can be shared while protecting the privacy of the users.

Objectives

We hope to learn the following from the study:

- How to do data elicitation using techniques like contextual enquiry
- How to analyze the collected data using affinity diagrams
- How to design and build a low fidelity prototype
- How to evaluate the prototype through cognitive walkthroughs

Literature Review

The need to undertake the study with 5 referenced papers arises to understand if currently some solutions are available that address our problem statements. Accordingly, in [1], the researchers are studying the problem of effectively organizing many photos from a single photo event stream. The findings of the study indicated that subjects valued the chronological order of the chapters more than maximizing screen space usage, and the participants found that the chapter-based photo organization approach was beneficial. This aligns well with our study's purpose of organizing photos.

In [2], the researchers provide valuable recommendations for designing solutions that enhance the small group photo management experience, enable sharing, and facilitate meaningful interactions with photos within the context of mobile devices. Besides this, the researchers in [3] suggest photo blurring while sharing photos to protect the privacy of the user. The researchers then calculate an optimum threshold for photo blurring accepted by the users. Privacy is one of the key considerations while sharing images and videos with others. Accordingly, one of the main themes of our project is photo or video sharing and privacy. Our prototype for the project can leverage photo and video blurring to protect the privacy of the users while sharing photos or videos.

To make our prototype universal, we kept in mind some other target groups such as old aged and visually impaired people. The study in [4], sheds important light on the requirements and difficulties older people

face while using digital technology by evaluating their interactions with computers and the internet. When organizing media content on phones, older users may experience physical and cognitive challenges, such as difficulty using small touchscreens and complicated interfaces. Their capacity to track and share photographs and videos can also be impacted by educational and cultural limitations, such as insufficient awareness and differing levels of digital literacy. In addition, the researchers in [5] explored the issues that persons with visual impairments encounter while sharing and organizing images and created a remedy that was specially created to address the needs of visually impaired users. They created an accessible smartphone application that enables users to browse through their photo library using audio cues and allows visually impaired users to capture photos along with audio recordings for background noise and descriptions. Our prototype can utilize such features.

Data Gathering, Data Analysis and Results of the Contextual Inquiry

Data Gathering

During the data gathering process, several interviews were conducted to gain insights into the themes of organizing and sharing photos on a phone. The main themes explored were:

Theme 1: Organizing photos/videos on phone based on event/moment.

The study aimed to understand individuals' current photo organization methods and their willingness to use an app for organizing photos based on events/moments. Interviews were conducted to identify challenges and gather feedback on potential features.

Theme 2: Organizing and sharing photos by specific target groups.

The theme explored individuals' experiences sharing photos with non-tech-savvy target groups, revealing methods and challenges encountered. Participants sought suggestions for improving accessibility and ease of sharing. Theme

Theme 3: Photo sharing and Privacy

The third theme explored privacy concerns and risks in sharing personal photos. Interviews examined current methods, privacy issues, and attitudes, as well as approaches to securing privacy and obtaining consent.

The data gathering process involved conducting interviews with participants who were asked a set of main questions, with additional probing and follow-up questions to delve deeper into their experiences, preferences, and suggestions. The interviews were designed to be open-ended, allowing participants to share their own perspectives and experiences without being influenced by specific app features or solutions. In addition to the main themes, general questions were asked to gather more background information and opinions related to photo management and sharing. These questions aimed to understand participants' current app usage, difficulties faced in sharing photos, willingness to adopt new apps, and considerations regarding privacy and data protection.

The data gathered from these interviews will serve as valuable insights for further exploration and development of solutions related to organizing and sharing photos on mobile devices.

Data Analysis and Results

The data gathered from the interviews was analyzed using an affinity diagram to identify patterns, themes, and key insights. The affinity diagram process involved categorizing the interview responses into related groups to find common themes and connections. This analysis helped in understanding the participants' perspectives on organizing and sharing photos on mobile devices.

The results of the affinity diagram process revealed the following themes:

Theme 1: Organizing photos/videos on the phone based on event/moment:
Participants shared their current methods of organizing photos in their phone galleries. Some relied on manual sorting, while others mentioned using existing features within their gallery apps, such as tagging or album creation. However, many participants expressed frustration in finding specific photos, especially when trying to recall them based on events or moments. The desire for an app that automatically organizes photos based on events or moments was evident. Participants felt that such an app would alleviate the burden of manual organization and enhance their ability to locate desired photos quickly. ‘

Theme 2: Organizing and sharing photos by specific target groups:
Participants highlighted the challenges they faced when attempting to share photos with specific target groups, particularly individuals who are not tech-savvy, such as older family members. They mentioned difficulties in explaining the sharing process and the need for simpler methods that cater to the technological limitations of these individuals. Participants expressed a desire for a user-friendly app that would facilitate easy sharing, possibly through simplified interfaces or step-by-step guidance.

Theme 3: Photo sharing and Privacy:
Privacy concerns were a prominent theme discussed during the interviews. Participants raised concerns about sharing personal photos on public platforms and the potential risks associated with it. They emphasized the importance of protecting the privacy of individuals appearing in the photos, especially those who may not be aware of their photos being shared. Participants expressed a need for features that enable easy privacy management, such as blurring or obscuring faces and providing clear consent mechanisms for sharing photos publicly.

These themes are directly aligned with the objectives set in the initial section, which aimed to understand the challenges faced by individuals in organizing and sharing photos on mobile devices. The results highlight the participants' desire for more efficient and intuitive ways to organize their photos based on events or moments. Additionally, the need for user-friendly sharing methods that cater to non-tech-savvy individuals and the importance of privacy considerations were emphasized.

The results of the affinity diagram process provide valuable insights for the development of solutions in the field of photo organization and sharing. They inform the direction for designing apps or features that

automate photo organization, simplify the sharing process for specific target groups, and enhance privacy controls. These findings will guide the subsequent phases of the research, focusing on ideation and prototype development to address the identified themes and meet the participants' needs and preferences.

Sketching, Data Modeling and Prototype Description

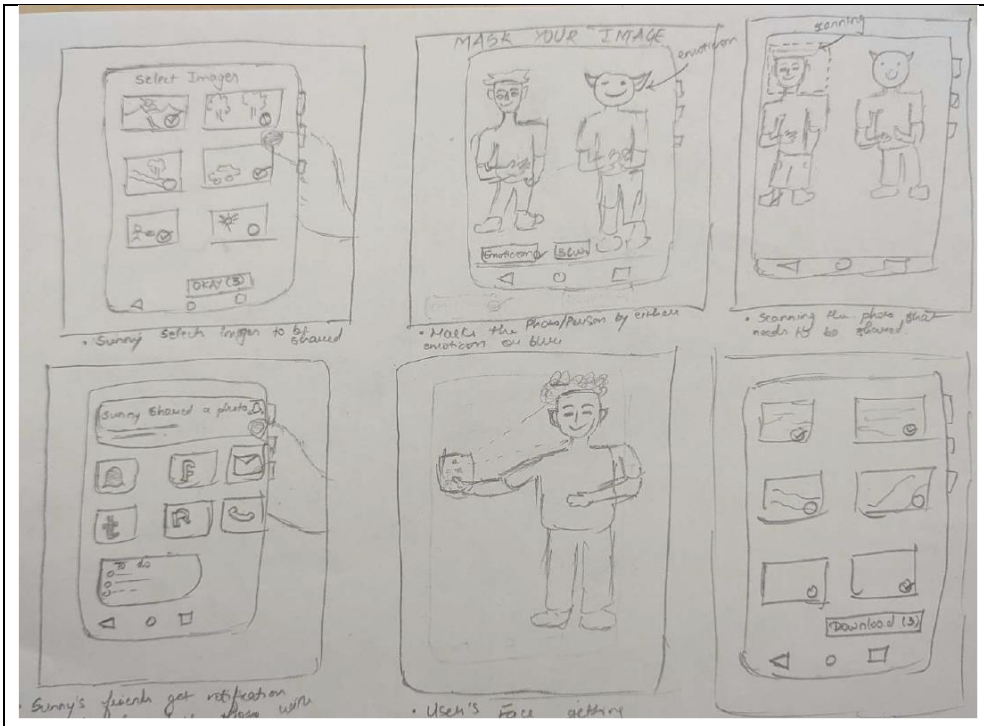
Sketching

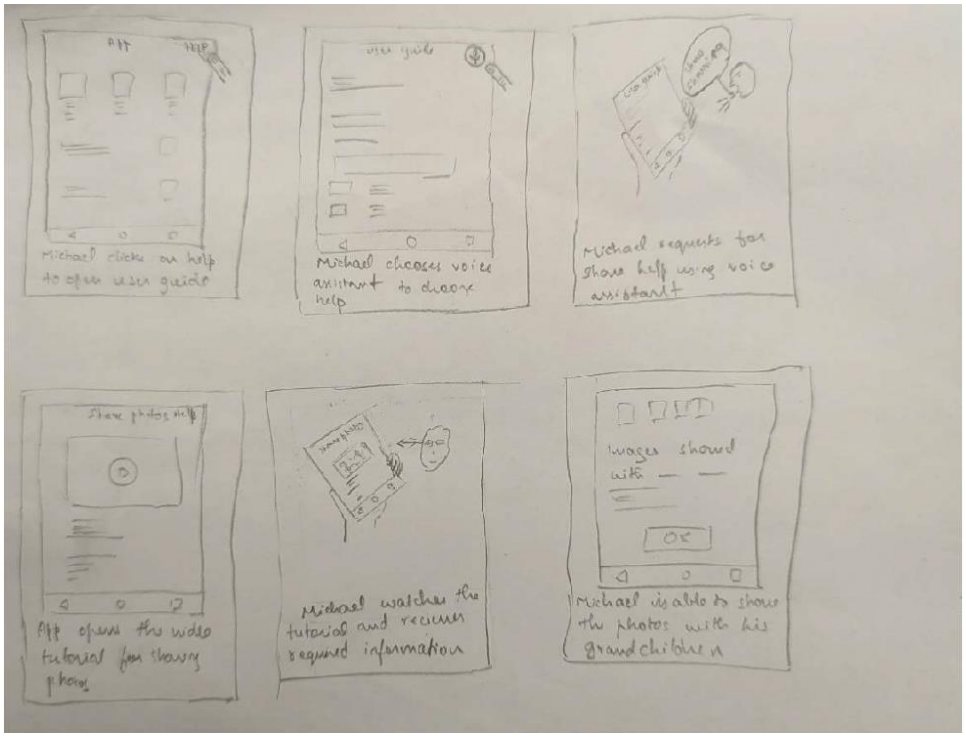
The process of creating these 10x10 designs based on our affinity diagram involves conducting user research, collecting insights, and generating a comprehensive affinity diagram. This diagram helped us identify common themes, pain points, and desired features related to photo management and sharing. With the affinity diagram as our foundation, we brainstormed ideas for potential designs that addressed the identified user needs and preferences. We decided to go with three of the five design themes that we came up with, based on the analysis those 3 themes were the main pain points that came up repeatedly in user research.

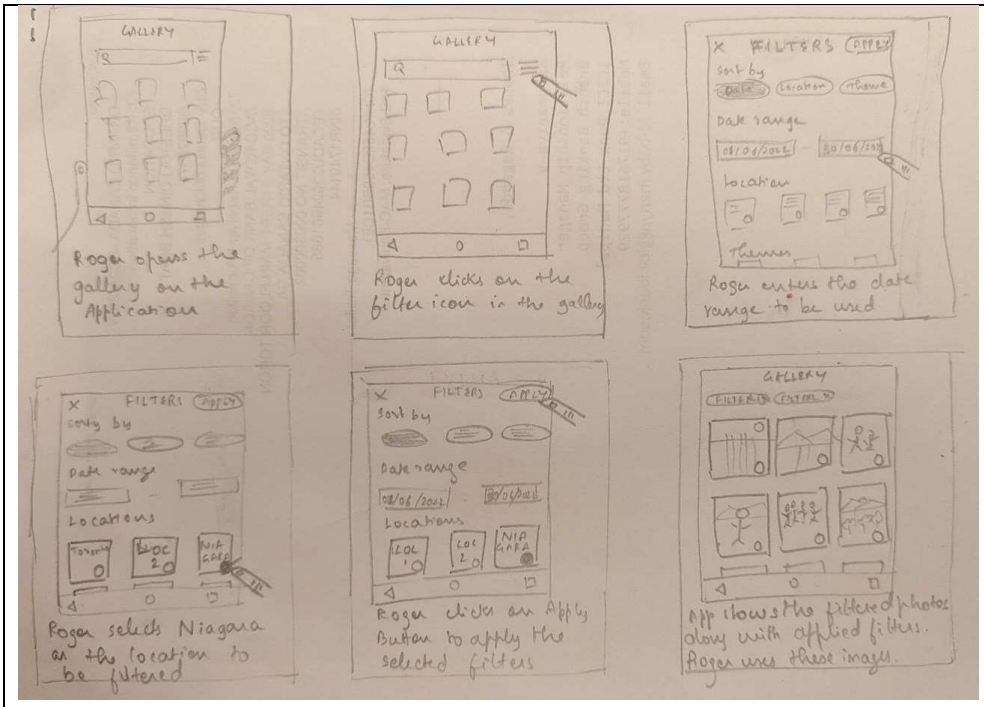
The first theme was user authentication for sharing and receiving photos. User would authenticate by using face recognition system, only after authentication the user would be able to see the gallery. And upon selecting a particular photo he would get options to secure the image by options like blurring or masking faces of other people that the user doesn't want other people to see. And after sharing the photos the user on the receiving end has to authenticate again to see if the user is in the photo or not. And if present he can see the photo or else can't access it.

The second theme was based on guiding new users through apps' various functionality. To make the user friendly with the app there were various ways used to help the user i.e., User guide, like video of how to use a particular tool, voice command and assistance, demos of features. Links were given as well to get familiar with the app.

The third theme was searching and sorting images, i.e., finding images quickly and easily. Apps will have various filters options like filtering images based on date, location and theme . Upon selecting any one filter the images will be presented to the user.


Select Images
OKAY (3)
MARK YOUR IMAGE
emotion
scanning
Sunny shared a photo
Download (3)


Michael clicks on help to open user guide
Michael chooses voice assistant to discuss help
Michael requests for share help using voice assistant
Share photos help
App opens the video tutorial for sharing photo
Michael watches the tutorial and receives required information
Images shared with
OK
Michael is able to share the photos with his grandchildren



Data Modeling

Persona description:- Farhan is an experienced photographer and works for clients and wants to find and search images as and when necessary. He is also avid traveler and an extrovert. He is frustrated as he cannot find images easily and also wants to share the images securely to the person receiving on the other end. And as he is new to the app or anyone would be so, he needs a guide through the app of what functionality works how and how to access it.

Motivational scenarios:

Scenario 1: Sunny likes taking her travel group to various beautiful places. This travelling party includes his friends. They went to Rainbow Beach and took numerous photos with their smartphones. Sunny wants to safely share these pictures with her travelling companions. Sunny opens app's share dialogue. Options such as masking and face authentication are available in the app's sharing dialogue. In order to hide faces in the background that are not members of the travelling party, Sunny selects the images she wants to share and uses masking to blur them. She then decides which group or members will receive the images. The group members then receive a notification that images have been shared.

Scenario 2: Michael wants to show the pictures of a recent trip he took with his grandchild. However, he lacks tech knowledge and is unfamiliar with the functions of photo gallery apps. First time user Michael uses our app.
Michael visits the local library to learn more about the app. When he installs and launches the app, he sees the. user manual and instructions for navigating the app. He receives prompts with demonstrations of the app's features, voice prompts, a brief video on how to use the app, FAQs, and other useful resources.

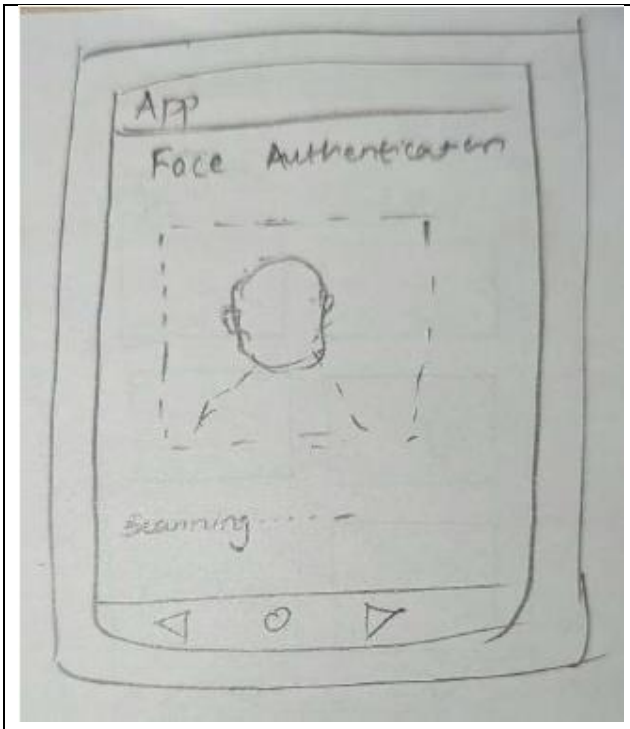
Scenario 3: Zoro, Jack, and Brook, three of Roger's friends, all enjoy travelling. Throughout the year 2022, they travelled across Canada, stopping at a number of different places. In June 2022, Roger and his companions travelled to the Niagara Falls.
Now, Roger wants to update his Instagram profile with the photos he took at Niagara Falls. So that he can find the images quickly, he wants to search and filter his photos. For this, the app offers text and filters. On the app, Roger applies the necessary filters. He is then shown the filtered images by the app. Then Roger posts these photos to Instagram.

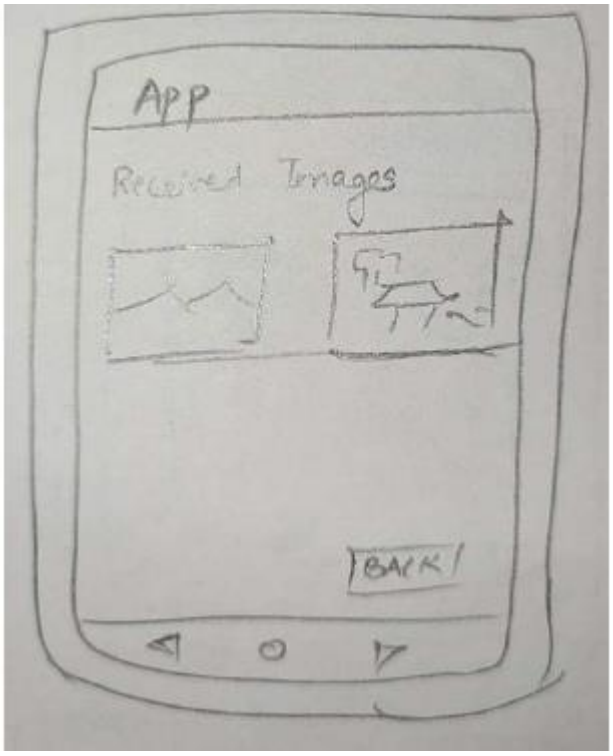
Prototype Description

We developed our prototype by rough sketching using just paper & pencil. After carefully taking the themes and features into consideration from affinity diagram we made our Low fidelity prototypes for each of the features and listed down their normal use cases and alternative use cases.

Feature1: Sharing images

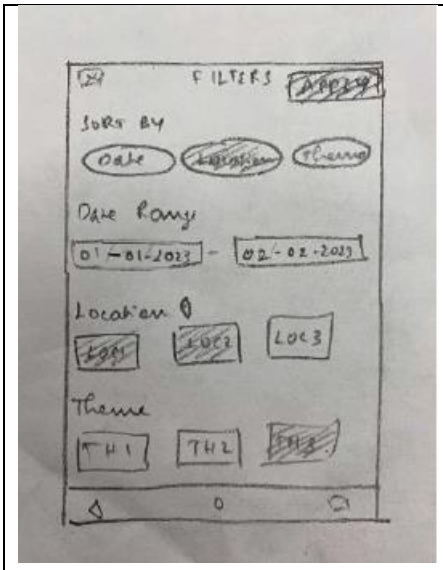
- This image describes the main function of masking the person's face. We considered the security perspective of the user for choosing this feature.The user selects the images then choses on whom the masking is to be applied, either he wants to blur the photo or add an emoticon. After successfully masking the image the user can share the image. And only after proper authentication on the receiver's end the the receiver can see the image.





Feature2: Quick search

- The user can type in particular keywords and find images based on the keywords.
- We have created a filters feature which let's the user filter based on location , date and the themes. On selecting the selection the user is presented with the filtered images based on the selection.
- Upon setting the filters that the user wants, he is presented with the filtered images based on the selection.



Cognitive Walkthrough Description

Feature 1: Sharing
Task: Sharing images securely with masking/blurring.
Use Cases:

- The user opens the sharing dialog from the gallery.
- The app displays the sharing dialog with a list of images. The user selects the required photos from the list. The clicks on the button to move ahead. The app checks if at least one image is chosen.
- The app shows the masking dialog to the user. The user selects portions of the image to be masked. The user chooses between emoticon masking and blurring for the selected portions. The user confirms selection by clicking on the button.
- The app validates the selections and masking options chosen by the user. The app then scans the visible faces to identify the recipients.
- The app then proceeds to the next screen for mode of sharing. The user confirms the recipients and chooses the mode of sharing. The app verifies the recipients and mode of sharing.
- The app sends the images to the selected recipients. The app shows success notice to the user.
- The recipients receive notification on their phone from the app for the shared images.
- The recipient opens the app to receive the images. The app scans the recipients face to authenticate the transfer.
- The app then displays the shared images to the user.

Feature 2: Searching
Task: Quickly search for required images
Use cases:

- The user opens the gallery on the app. The app shows the gallery dialog with search bar and filter icon. The user enters keyword for search. The app verifies if the keyword is valid.
- The user clicks on the filter's icon to open filter dialog. The app opens the filter dialog with default sorting option as date.
- The user selects required sorting from given options. The app switches from the default sorting option to the selected.
- The user enters the start date and the end date.
- The user chooses the required locations from the list or by setting location. The app verifies if the selected locations are valid.
- The user chooses the required themes from the list.
- The user confirms selections by clicking on the Apply.
- The app verifies the filter and sorting selections. The app displays the filtered images to the user. The app also shows the selected filters

Feature 3: User accessibility
Task: Provide help to user for any task.
Use cases:

- The user opens the help button on the app.
- The app shows the help dialog with both text and voice search
- The user clicks on voice search option.
- The app requests the user to speak for help.
- The app then processes the user's request.
- The app shows various links related to the user's request (Sharing in this case).
- The user selects the link that suits them the most.
- The app then shows a video dialog with text instructions at the bottom.
- The user clicks on the play icon to play the tutorial.
  The can forward or rewind the video to understand the functionality.
- The user scrolls down to look at text instructions.
- The user exits the help using the close.

References

[1] Jesse Prabawa Gozali, Min-Yen Kan, and Hari Sundaram. 2012. How do people organize their photos in each event and how does it affect storytelling, searching and interpretation tasks? In Proceedings of the 12th ACM/IEEE-CS joint conference on Digital Libraries (JCDL '12). Association for Computing Machinery, New York, NY, USA, 315–324. https://doi.org/10.1145/2232817.2232875.

[2] Jarno Ojala and Sanna Malinen. 2012. Photo sharing in small groups: identifying design drivers for desired user experiences. In Proceeding of the 16th International Academic MindTrek Conference (MindTrek '12). Association for Computing Machinery, New York, NY, USA, 69–76. https://doi.org/10.1145/2393132.2393148.

[3] Yasuhiro Tanaka, Akihisa Kodate, Yu Ichifuji, and Noboru Sonehara. 2015. Relationship between Willingness to Share Photos and Preferred Level of Photo Blurring for Privacy Protection. In Proceedings of the ASE BigData & SocialInformatics 2015 (ASE BD&SI '15). Association for Computing Machinery, New York, NY, USA, Article 33, 1–5. https://doi.org/10.1145/2818869.2818931.

[4] Allegra W. Smith. 2019. User experience design for older adults: experience architecture and methodology for users aged 60+. In Proceedings of the 37th ACM International Conference on the Design of Communication (SIGDOC '19). Association for Computing Machinery, New York, NY, USA, Article 17, 1–9. https://doi.org/10.1145/3328020.3353952.

[5] Susumu Harada, Daisuke Sato, Dustin W. Adams, Sri Kurniawan, Hironobu Takagi, and Chieko Asakawa. 2013. Accessible photo album: enhancing the photo sharing experience for people with visual impairment. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '13). Association for Computing Machinery, New York, NY, USA, 2127–2136. https://doi.org/10.1145/2470654.2481292.

Appendices

Appendix A – Persona
Appendix B -- Tasks, Scenarios, Use Cases and Prototype for each feature
Appendix C – Cognitive Walkthrough Sheets
Appendix D – Work Breakdown

Note: each Appendix should start on a new page.

Appendix A – Persona

Farhan Qureshi

Bio

Farhan is an experienced and passionate photographer who has been capturing moments through his lens for over a decade. He obtained a degree in Fine Arts with a specialization in Photography and has since honed his skills through various projects and assignments. Farhan has worked for both private clients and commercial enterprises, gaining a reputation for his creativity, attention to detail, and ability to capture emotions in his photographs.

Goals

- Every image is stored according to it's characteristics.
- wants to find the images easily.
- Can share fast and in a secure way

General info

Age	32
Location	Halifax
Occupation	Photographer
Marital Status	Single
Technical Comfort	Typically uses 5 apps daily

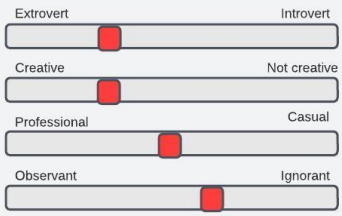
Habits

- He is photogenic, an avid traveller and uses to manage images.
- He sarches for a specific image based on time or how recent was it clicked.
- He is very active on social media and wants to share photos with friends and family.

Frustrations

- Gets annoyed when can't find the image
- Gets annoyed when can't share image easily
- Gets frustrated when image is not shared securely
- when someone sees the shared image which was not meant to be seen by the person.
- annoyed when there is no help section or tutorial on how to use new features
- gets annoyed when no other option than typing for opeing features

Personality



What He'd Like in an App

- Efficient image searching feature
- Image storing feature based on the type of image
- Easy and secure way to share the image
- authentication of people present in the photos
- help in Navigation to features
- voice assistant option

Appendix B – Task, Scenario, Use-cases and Prototype images

Features	Description of the feature
Sharing images with masking and authentication	This feature enables users to safely share images while protecting the privacy of the user. The user can mask/blur the faces of unknown members on the images. The feature also detects the known faces to show the list of possible recipients from this image. Finally, the feature provides ways to safely share the images.
User accessibility	This feature enables novice user to use the app in an easy andproductive way. It aids user with hands on practice
Quick search	This feature enables quick searching of images. The user can nm use various and sorting and filtering options to be able to quickly find the required images. The filtering includes options like date, location, and theme.

Feature1: Sharing images.

Task Name: Sharing images securely with masking/blurring.

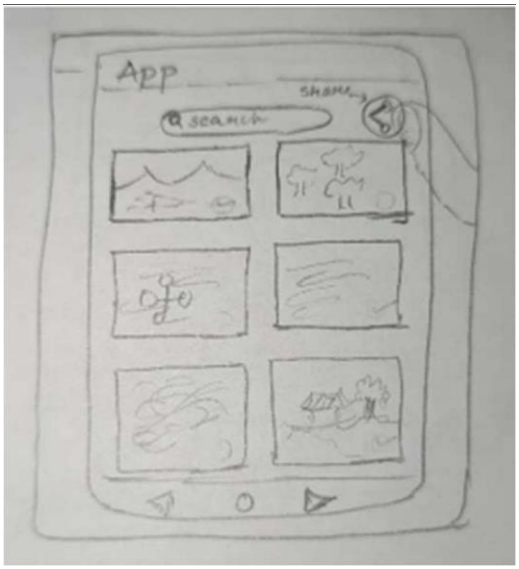
Task Scenario: Sunny enjoys visiting various scenic locations with here travel group. There are 4 other members in this travel group, Jenny, Audrie, John, and Mike. They visited Rainbow beach last week and clicked a lot of images on everyone's phones. Sunny wants to share these photos with her travel group securely. Sunny opens the app's share dialog. The app's sharing dialog provides options like masking and face authentication. Sunny chooses the images that she wants to share and applies masking to blur faces in the background, whoare not part of the travel group. She then chooses the members/group with whom the images are to be shared. The group members then receive a notification that images have been shared.

Use-Case

Normal Case

1. The user opens the sharing dialog from the gallery.
2. The app displays the sharing dialog with list of images.
3. The user selects the required photos from the list.
4. The clicks on the button to move ahead.
5. The app checks if at least one image is chosen.
6. The app shows the masking dialog to the user.
7. The user selects portions of the image to be masked.
8. The user chooses between emoticon masking and blurring for the selected portions.
9. The user confirms selection by clicking on the button.
10. The app validates the selections and masking options chosen by the user.
11. The app then scans the visible faces to identify the recipients.
12. The app then proceeds to the next screen for mode of sharing.
13. The user confirms the recipients and chooses the mode of sharing.
14. The app verifies the recipients and mode of sharing.
15. The app sends the images to the selected recipients.
16. The app shows success notice to the user.
17. The recipients receive notification on their phone from the app for the shared images.
18. The recipient opens the app to receive the images.
19. The app scans the recipients face to authenticate the transfer.

The app then displays the shared images to the user.
Alternative Case 5.1. No images are selected. The app asks the user to select at least 1 image. 11.1. App is not able to recognize any faces. The app asks the user to manually selectrecipients. 14.1. Some recipients are invalid. The app notifies the user of invalid recipients. 18.1. The user is not able to authenticate by face match. The app requests user to entersecret code for transfer instead.

Prototype Images (you may have more or fewer images than rows – add and delete as necessary)
Image 1: Steps ____1_____ 
Image 2: Steps ____2-5_____
Image 3: Steps _____6-9_____

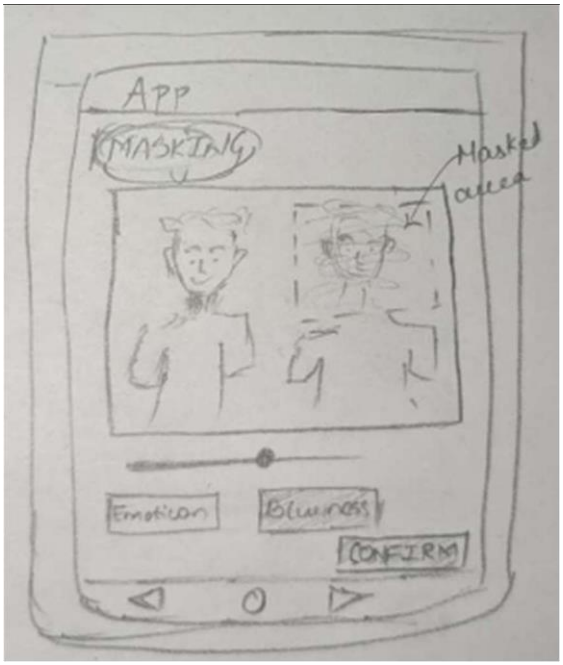


Image 4: Steps _____10-11_____

Image 5: Steps _____12-14_____

Image 6: Steps _____15-16_____

Image 7: Steps ____17_____

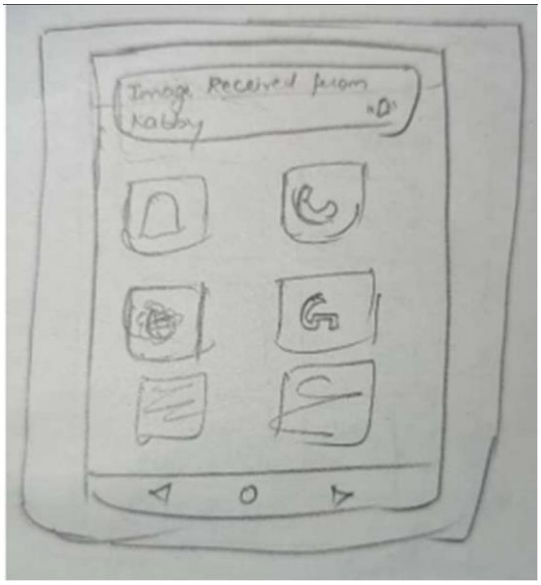
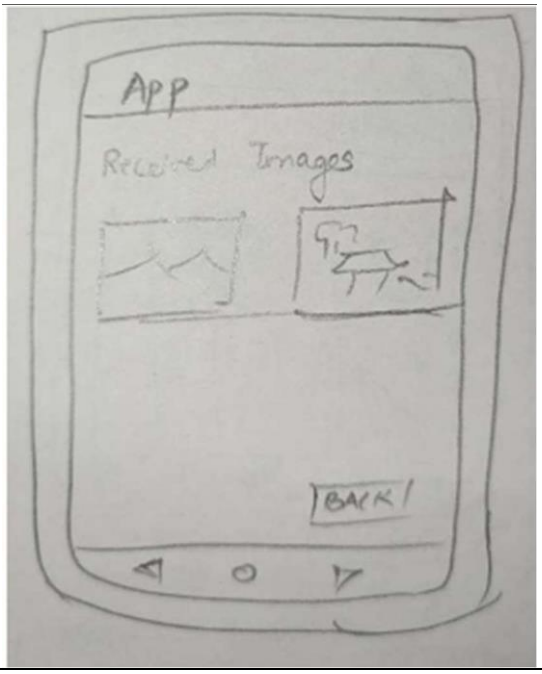


Image 8: Steps ____18-19_____

Image 9: Steps _____20_____



Feature2: Quick Search

Task Name: Sorting and filtering for quick search

Task Scenario: Roger and his friends Zoro, Jack, and Brook love to travel. They have visited several locations all around Canada during the year 2022 as a part of their Canada wide trip. During this trip Roger and his friends visited the Niagara Falls in June 2022. Roger now wants to add the images from Niagara Falls to his Instagram profile. So, he wants to search and filter his photos so that he can find the images easily. The app provides text and filters for thispurpose. Roger applies the required filters on the app. The app then shows him the filtered images. Roger then uses these images for Instagram.

Use-Case

Normal Case

1.The user opens the gallery on the app.
2. The app shows the gallery dialog with search bar and filter icon.
3.The user enters keyword for search.
4.The app verifies if the keyword is valid.
5.The user clicks on the filter's icon to open filter dialog.
6.The app opens the filter dialog with default sorting option as date.
7.The user selects required sorting from given options.
8.The app switches from the default sorting option to the selected.
9.The user enters the start date and the end date.
10.The app verifies if the dates are valid.
11.The user chooses the required locations from the list or by setting location.
12.The app verifies if the selected locations are valid.

13.The user chooses the required themes from the list.
14.The user confirms selections by clicking on the Apply.
15.The app verifies the filter and sorting selections.
16.The app displays the filtered images to the user.
17.The app also shows the selected filters

Alternative Case

4.1. The keyword contains invalid characters. The app asks user to fix this.10.1. The user dates are invalid. The app asks user to fix the dates.
12.1. The entered location(s) are invalid. The apps ask user to select valid locations.
16.1. No images match the selected filters. The apps notify user that no images match filters

Prototype Images (you may have more or fewer images than rows – add and delete as necessary)

Image 1: Steps ____1-4____

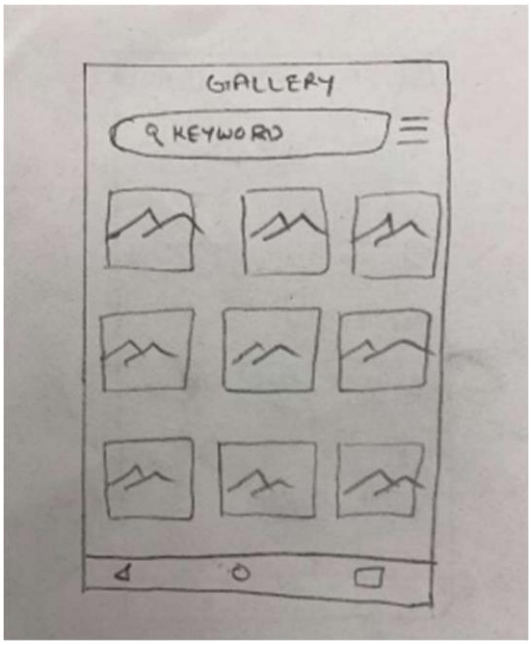


Image 2: Steps ____5-6_____

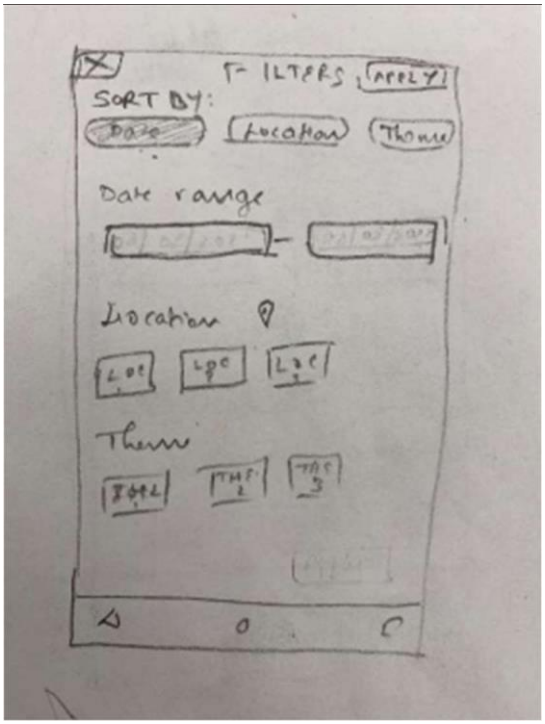


Image 3: Steps ____7-8_____

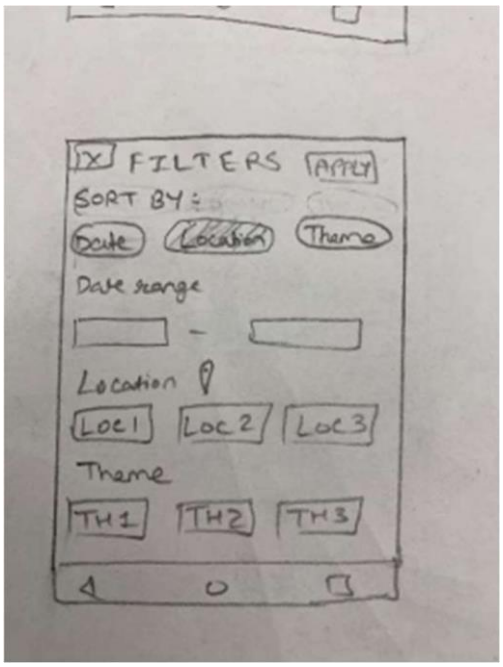


Image 4: Steps _____9-10_____

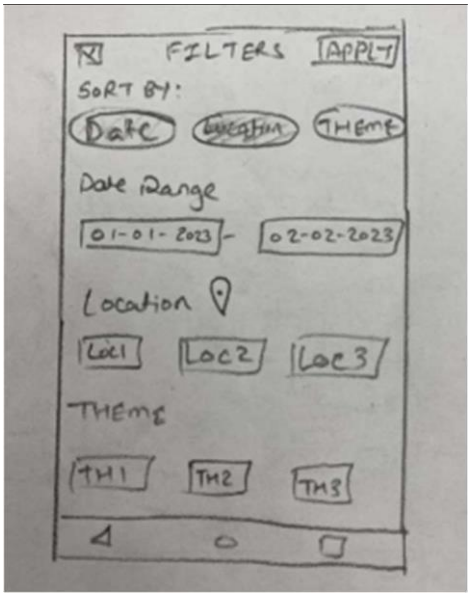


Image 5: Steps _____11-12_____

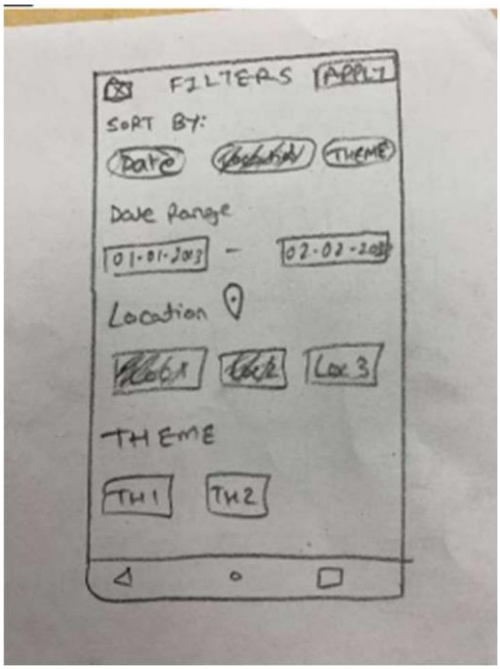


Image 6: Steps ___13_____

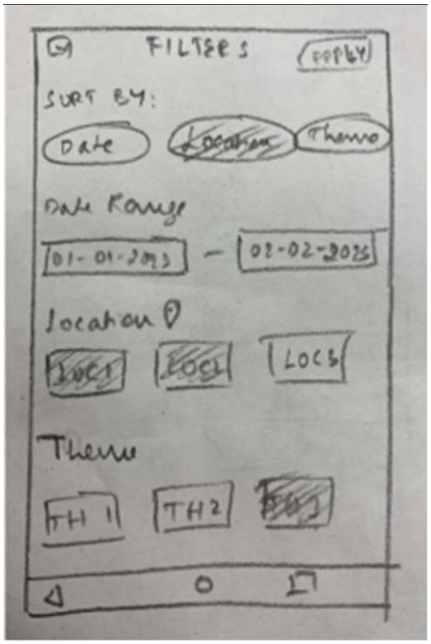


Image 7: Steps ___ 14_____

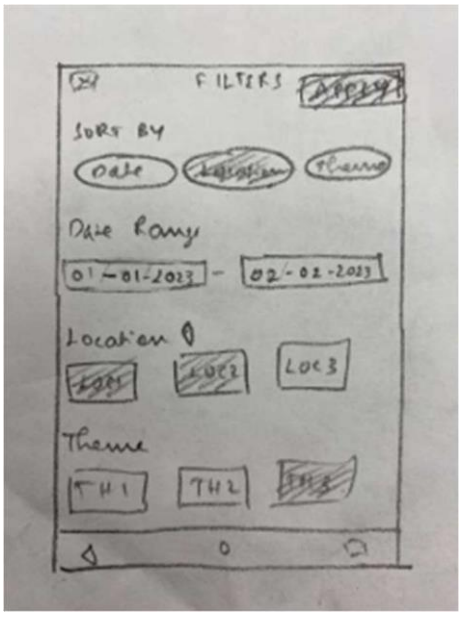
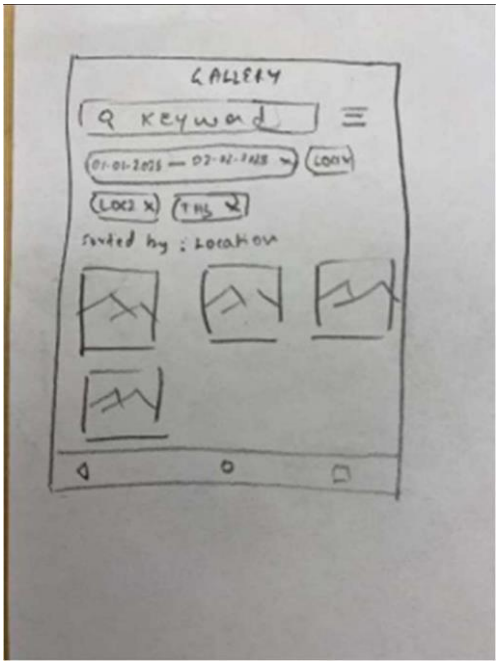


Image 8: Steps ____15-17_____



Feature3: User accessibility
Task Name: Provide help to user for any task.
Task Scenario: Joe(70y) and his friends Jane, John, and Jack got together during a reunion. Joe clicked a lot of photos of the event to preserve the memories. Jack requested Joe to share the photos containing him. Joe is not very tech savvy, so he uses the Help section of theapp. Joe is not very good at typing, so he uses the voice search options to navigate to the required section. Joe watches the tutorial to share photos and shares images with Jack.
Use-Case
Normal Case 1.The user opens the help button on the app. 2.The app shows the help dialog with both text and voice search. 3.The user clicks on voice search option. 4.The app requests the user to speak for help. 5.The app then processes the user's request. 6. The app shows various links related to the user's request (Sharing in this case). 7.The user selects the link that suits them the most.

8.The app then shows a video dialog with text instructions at the bottom.
9.The user clicks on the play icon to play the tutorial.
10.The can forward or rewind the video to understand the functionality.
11. The user scrolls down to look at text instructions.
12.The user exits the help using the close button

Alternative Case

3.1. The user has not given sound permission to the app. App prompts user to give access.
5.1. The app cannot recognize the instructions from the voice. App shows message to notifyuser.

Prototype Images (you may have more or fewer images than rows – add and delete as necessary)

Image 1: Steps ____1_____

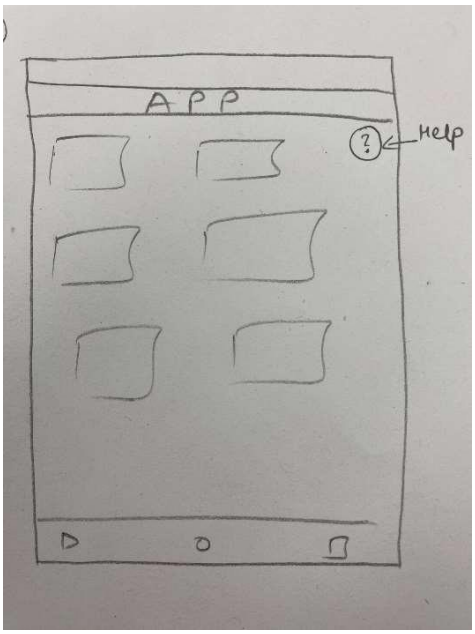


Image 2: Steps _____2_____

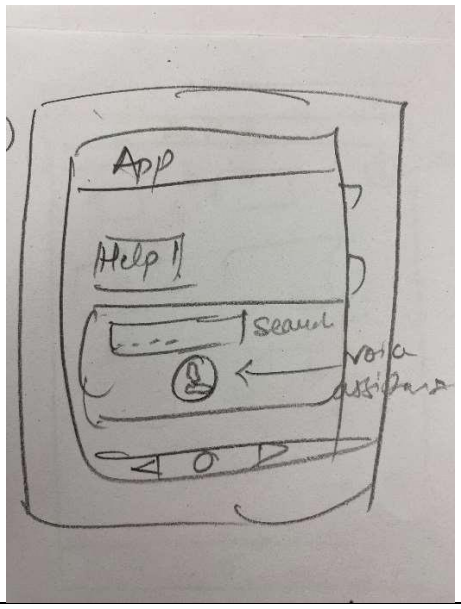


Image 3: Steps ____3_____

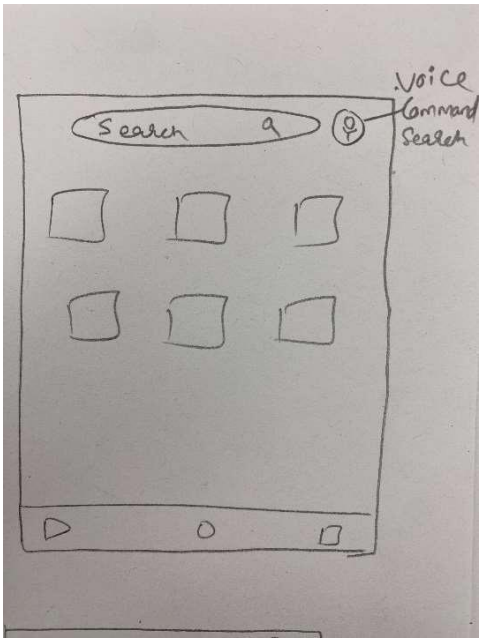


Image 4: Steps _____4_____

Image 5: Steps ____5_____

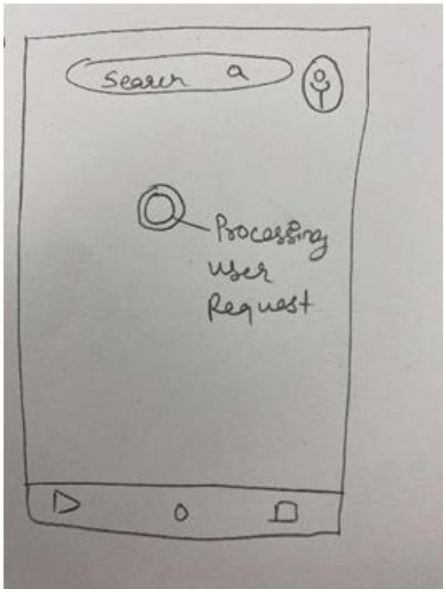


Image 6: Steps ____6_____

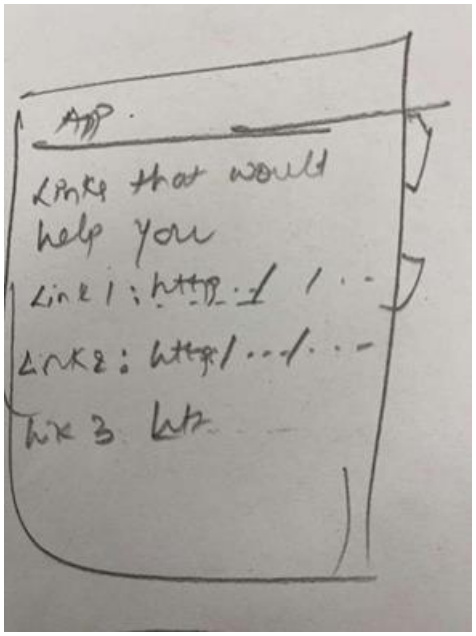


Image 7: Steps _____7_____

Image 8: Steps _____8-10_____

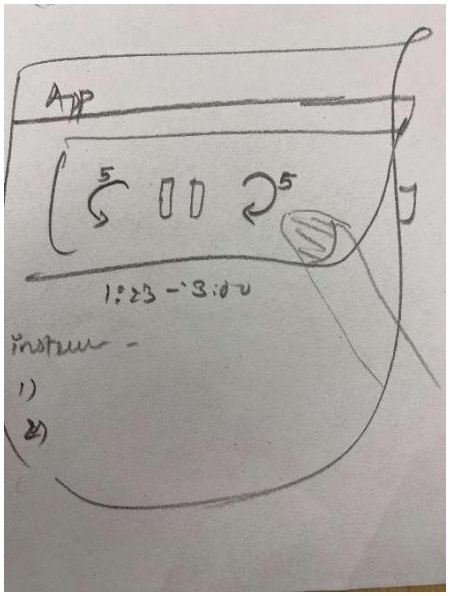


Image 9: Steps ____11_____

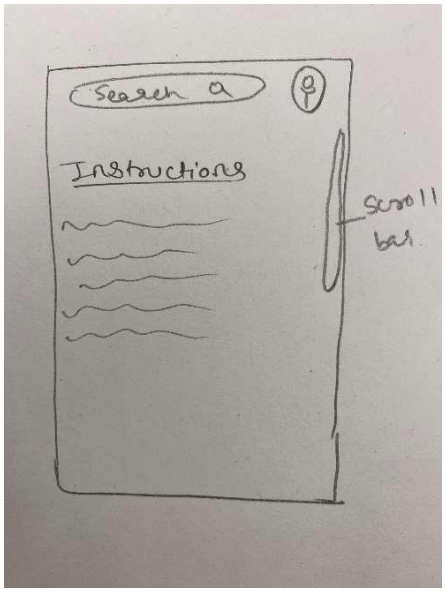
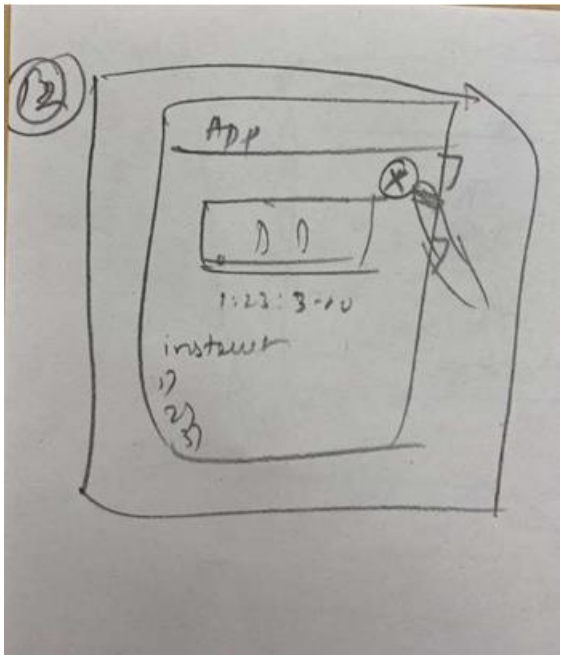


Image 9: Steps ____12_____



Appendix C - Cognitive Walkthrough Sheets

Evaluation 1

Date of Evaluation: _____19/07/23_____

Names of Evaluators: Saumya Shah

Instructions:
In pairs, the evaluators will be walkthrough the system for each task. For each step of the use-case the evaluators will answer three questions – if Farhan will know what action to take, how to do the action, and then if Farhan can tell if the actions taken is correct (yes, no or maybe with a short reasons). Give any problems (a "No" or "Maybe" a severity rating from 1 to 5 (where 1 is minor and 5 is critical).

Description of System:
Mobile application to organize, search and share images. The system aims to make the sharing, organizing, and searching of photos easier for the user. The app lets the user organize images based on criteria like location, theme, and date. The app also provides text search and filters to easily find required images. The user is also given an option to share images securely while maintaining privacy of users in the image. It also provides masking options to hide faces.

Typical Users:
Farhan, who enjoys travelling with their group of friends. Uses an app to organize and share photos. He is also an Instagram influencer who likes to post images from travel. He uses the app to quickly search and filter images and then easily share it on instagram.
Joe, a 70-year-old person, is not very tech savvy. They find it difficult to share images. They use the apps help feature to get information regarding the features.

Typical Tasks: [List the main uses and tasks of the system]

- Sharing images securely
- Sharing images with masking feature
- Organize images based on location, theme, and date.
- Search and filter images based on location, theme, and date.
- Help section to provide users with video and text tutorials to perform any task

Cognitive Walkthrough Sheet [**Evaluation Sheet/s – Feature 1**]

Task Title: Sharing images securely with masking/blurring.
Task Scenario: Farhan enjoys visiting various scenic locations with their travel group. There are 4 other members in this travel group, Jenny, Audrie, John, and Mike. They visited Rainbow beach last week and clicked a lot of images on everyone's phones. Farhan wants to share these photos with their travel group securely. Farhan opens the app's share dialog.

The app's sharing dialog provides options like masking and face authentication. Farhan chooses the images that they wants to share and applies masking to blur faces in the background, who are not part of the travel group. They then chooses the members/group with whom the images are to be shared. The group members then receive a notification that images have been shared.

Step 1-4: The user opens the sharing dialog from the gallery.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to open the sharing dialog?)	Yes, because they have user guides to help them			2
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for opening the sharing dialog? Is it apparent when needed?)			Maybe, because the user can see the button but it does not have like "GO" button or to search which may confuse the user	2
Will the Farhan associate and interpret the response from the action correctly ("Understand correct	Yes , because the users do get notified when any change made			1

action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)				

Step 2-5: The app displays the sharing dialog with a list of images. The user selects the required photos from the list. The clicks on the button to move ahead. The app checks if at least one image is chosen.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, because of user guides provided			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, it is easy to understand from the UI			1
Will the Farhan associate and interpret the response			Maybe, because not all the people of age	M

from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			group can interpret from the UI	

Step 6-9: The app shows the masking dialog to the user. The user selects portions of the image to be masked. The user chooses between emoticon masking and blurring for the selected portions. The user confirms selection by clicking on the button.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			Maybe, because not all the people know what masking is	2
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, because the masking option is pretty visible			1

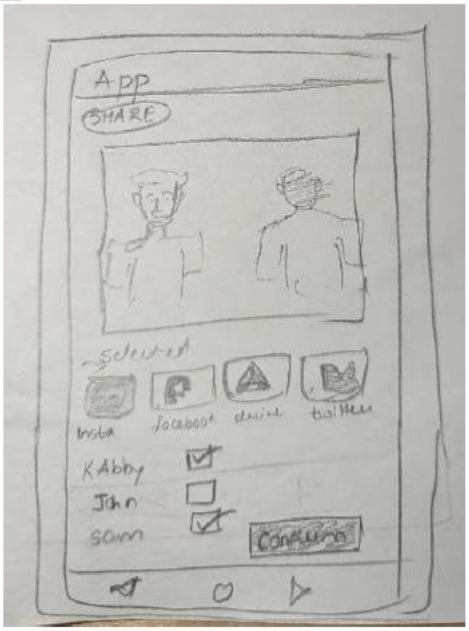
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, because the user can see the changes hee made			2

Step 10-11: The app validates the selections and masking options chosen by the user. The app then scans the visible faces to identify the recipients.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, it is easy to understand after masking the image			2
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should	Yes, the menu can be easily seen			2

use for the next action? Is it apparent when needed?)				
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, user do get notified when action is done			1

Step 12-14: The app then proceeds to the next screen for mode of sharing. The user confirms the recipients and chooses the mode of sharing. The app verifies the recipients and mode of sharing.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, user can easily get the idea from the screen			2
Will the Farhan notice that the correct action is available? ("See how to do				1

it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, because of the "Next" button so user can know			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			Maybe, like people from all age group could understand the next step	3

Step 15-16: The app sends the images to the selected recipients. The app shows success notice to the user.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, easily understood for the user			1
Will the Farhan notice that the correct action is available? ("See how to do				1

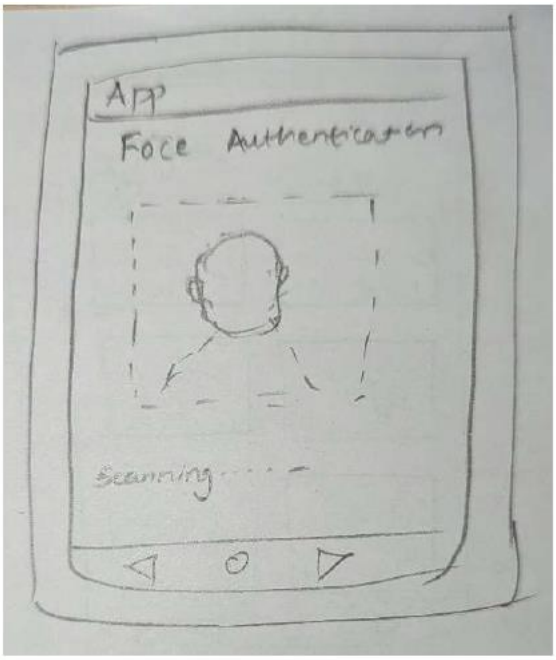
it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, easy to understand			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, user get notified sending the message			2

Step 17: The recipients receive notification on their phone from the app for the shared images.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, user get notified so nothing to think about			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button			Maybe, because Farhan can do	2

or menu item that they should use for the next action? Is it apparent when needed?)			nothing as the other gets notified	
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			Maybe. As they might get notified or not get notified	2

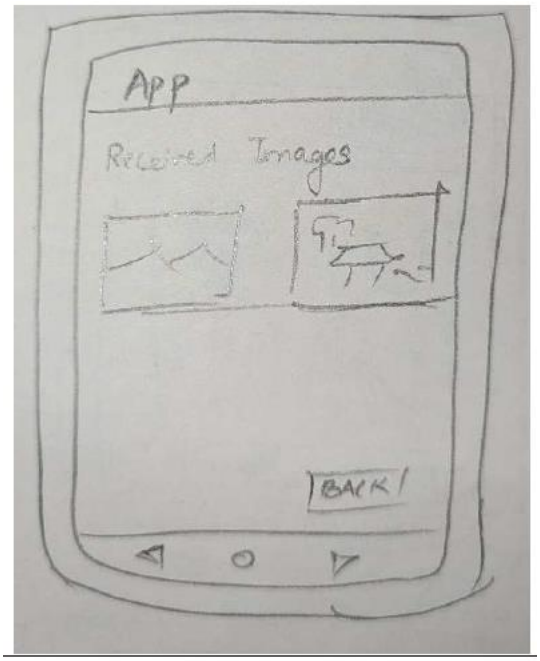
Step 18-19: The recipient opens the app to receive the images. The app scans the recipients face to authenticate the transfer.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know			Maybe, depends on the other user	2

what to do to achieve the task?)				
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, the people get notified and then for face authentication so yes			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, because the image will load only after a face scan			2

Step 20: The app then displays the shared images to the user.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)

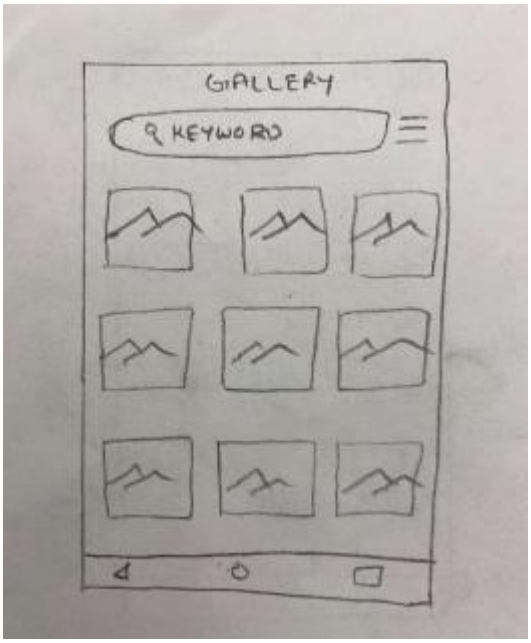
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, as it will open the image			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Maybe, because it is not specified where the image will be shown	3
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, only after correct face scan image gets loaded			2

Cognitive Walkthrough Sheet [Evaluation Sheet/s – Feature 2]

Task Title: Quick search

Task Scenario: Roger and his friends Zoro, Jack and Brook love to travel. They have visited several locations all around Canada during the year 2022 as a part of their Canada wide trip. During this trip Roger and his friends visited Niagara Falls in June 2022. Roger now wants to add the images from Niagara Falls to his Instagram profile. So, he wants to search and filter his photos so that he can find the images easily. The app provides text and filters for this purpose. Roger applies the required filters on the app. The app then shows him the filtered images. Roger then uses these images for Instagram.

Step 1-4: The user opens the gallery on the app.
The app shows the gallery dialog with search bar and filter icon.
The user enters keyword for search.
The app verifies if the keyword is valid.

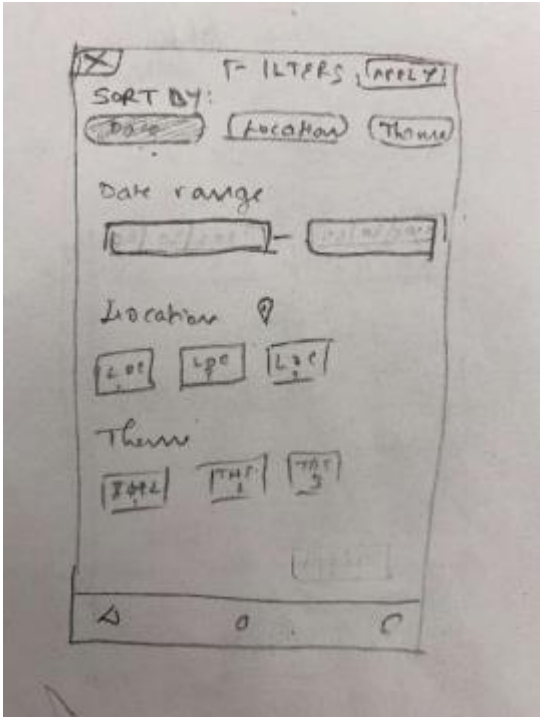


Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, the search filter can be easily found			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, because it is easily visible to the user			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback	Yes, can see the results of the search so he can know			2

that they have made a correct or incorrect choice of action?)				

Step 5-6: The user clicks on the filter's icon to open filter dialog.

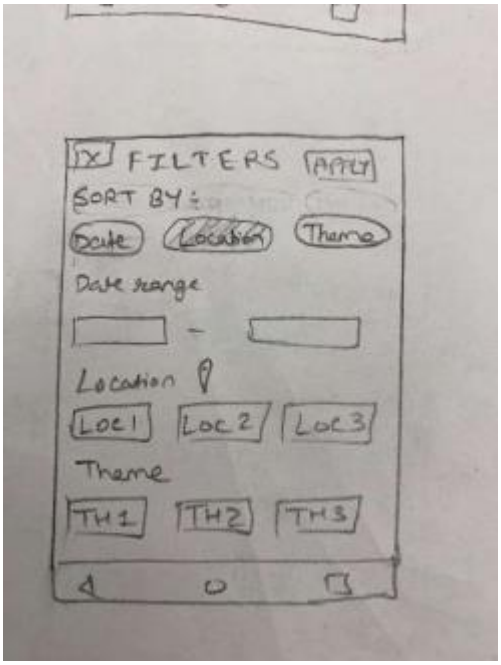
The app opens the filter dialog with default sorting option as date.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, user can easily understood what to do from UI			2
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, the search and filter button is pretty visible			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not			Maybe, as if an old user wants to sort images based on	M

correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			keyword he will not find it	

Step 7-8: The user selects required sorting from given options.
The app switches from the default sorting option to the selected.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, can be seen from the UI			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, because all the filters options are available on the screen			1
Will the Farhan associate and interpret the response from the action				2

correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, user can use any filter to get the desired results			

Step 9-10: The user enters the start date and the end date.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			Maybe, as user has to click on the filters too see that	2
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Maybe, as he might have to search it	2
Will the Farhan associate and interpret the response from the action correctly ("Understand	Yes, he can see the results after selecting the date			2

correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)				

Step 11-12: The user chooses the required locations from the list or by setting location.
The app verifies if the selected locations are valid.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			Maybe, because he has to know where to select location	2
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Maybe, as he has to first navigate to filters and then loation	2
Will the Farhan associate and interpret the response from the action	Yes, as the user will get the images based			1

correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	on the location as output			

Step 13: The user chooses the required themes from the list.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, if he has navigated to filter he can find it			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, user can see the theme options available			1

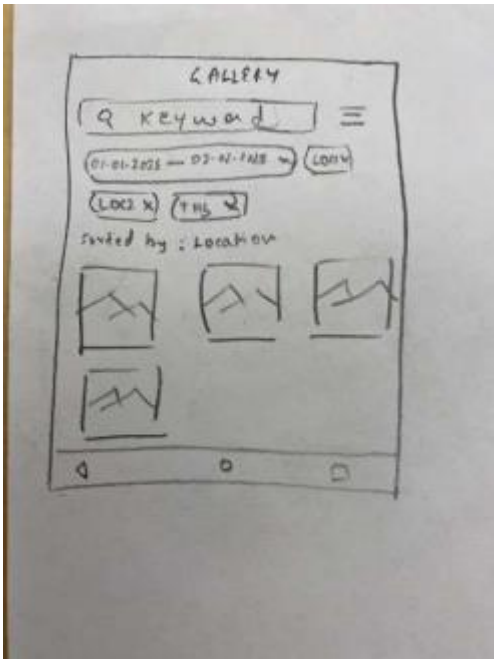
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, as the user get notified after filtering based on themes			2

Step 14: The user confirms selections by clicking on the Apply.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, he just has to click on the button			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, there is "Apply" button which is pretty visible			1

Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, user will get the desired photos as output			1

Step 15-17: The app verifies the filter and sorting selections.
The app displays the filtered images to the user
The app also shows the selected filters

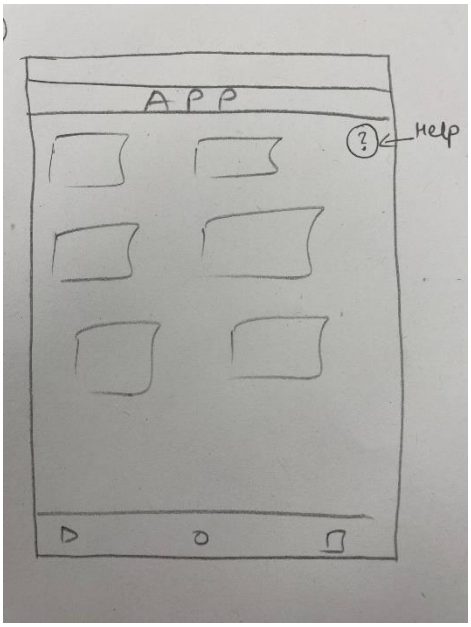


Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, user has to just click on the apply button			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that	Yes, after clicking the button he can see that			1

they should use for the next action? Is it apparent when needed?)				
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, the desired images are shown as output with the selected features so yes			2

Cognitive Walkthrough Sheet [**Evaluation Sheet/s – Feature 3**]
Task Title: Provide help to user for any task.
Task Scenario: Joe(70y) and his friends Jane, John, and Jack got together during a reunion. Joe clicked a lot of photos of the event to preserve the memories. Jack requested Joe to share the photos containing him. Joe is not very tech savvy, so he uses the Help section of the app. Joe is not very good at typing, so he uses the voice search options to navigate to the required section. Joe watches the tutorial to share photos and shares images with Jack.

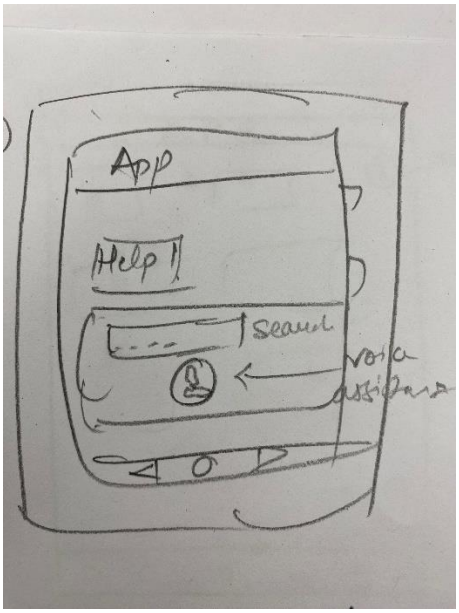
Step 1: The user opens the help button on the app.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)

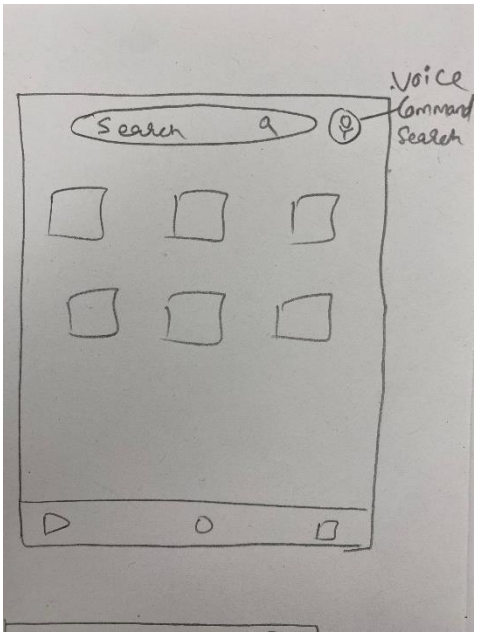
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, it is always present on the screen			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, the "question mark" logo can be seen on the screen			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, user can easily open the help option by clicking on the button			1

Step 2: The app shows the help dialog with both text and voice search.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, user can easily understand from the UI			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, there is button for both text and voice search			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, he can understand from the opened UI			2

Step 3: The user clicks on voice search option.

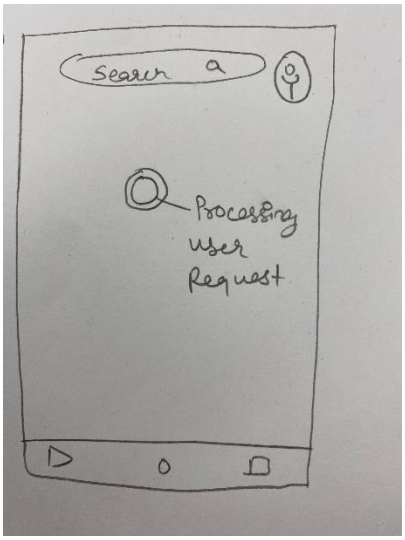


Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, the user can understand from the mic button			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, there is mic button for the voice output			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			Maybe, as sometimes an old person can click on text button by mistake and do not understand	2

Step 4: The app requests the user to speak for help.

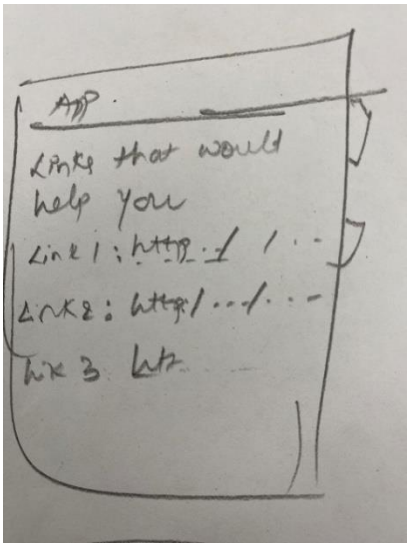
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			Maybe, as user cannot know when to speak	2
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Maybe as when to speak is not specified	2
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			Maybe, because system might not understand the input of the user	M

Step 5: The app then processes the user's request.



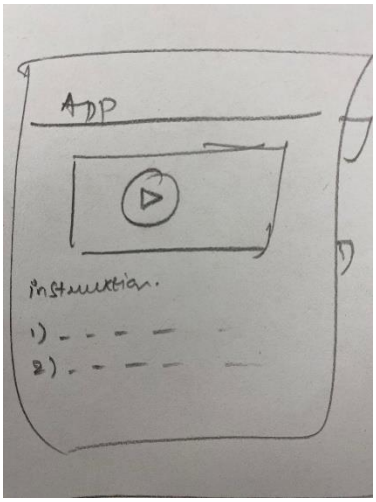
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, user just has to wait for the result			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, the prompt of processing is visible to the user			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, the user request gets opened after the processing so user can know			2

Step 6 : The app shows various links related to the user's request (Sharing in this case).



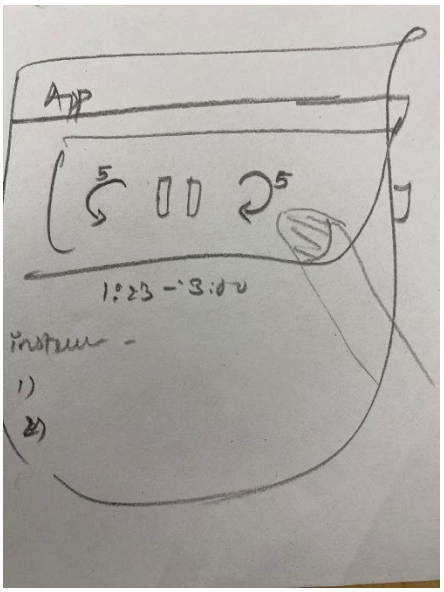
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)		Link does not specify what they mean, adding icons could be helpful		M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, as the user has just to click the link to do next			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, clicking on it opens the link			1

Step 7: The user selects the link that suits them the most.



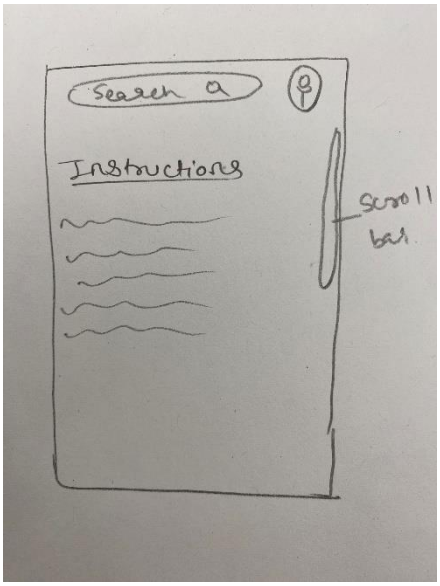
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, he can understand from the link given			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	User can see the link on the screen			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, the video will load on clicking the link			2

Step 8-10: The app then shows a video dialog with text instructions at the bottom.
The user clicks on the play icon to play the tutorial.
The can forward or rewind the video to understand the functionality.



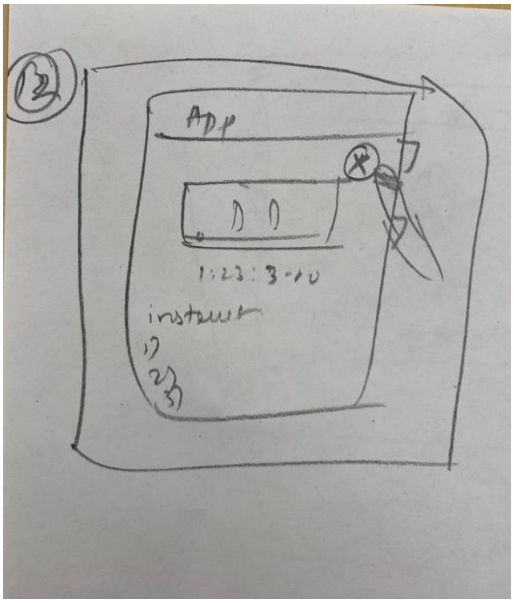
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, user can click on video to get it			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, the video will open as the output			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, as the user can watch or rewatch the video by opening it			1

Step 11: The user scrolls down to look at text instructions.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, easily understandable			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, the page will load so visible enough			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			Maybe, as the font adjustment is not there so old person cannot enlarge the text	3

Step 12: The user exits the help using the close



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, easily visible on the screen			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, the button is visible enough to be seen			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, the page will be closed as the output			1

Evaluation 2

Date of Evaluation: _____19/07/2023_____

Names of Evaluators: Ishan Sharma Team Yellow

Cognitive Walkthrough Sheet [**Evaluation Sheet/s – Feature 1**]

Task Title: Sharing images securely with masking/blurring.
Task Scenario: Farhan enjoys visiting various scenic locations with their travel group. There are 4 other members in this travel group, Jenny, Audrie, John, and Mike. They visited Rainbow beach last week and clicked a lot of images on everyone's phones. Farhan wants to share these photos with their travel group securely. Farhan opens the app's share dialog.
The app's sharing dialog provides options like masking and face authentication. Farhan chooses the images that they want to share and applies masking to blur faces in the background, who are not part of the travel group. They then choose the members/group with whom the images are to be shared. The group members then receive a notification that images have been shared.

Step 1-4: The user opens the sharing dialog from the gallery.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know	The share icon is clearly visible			1

what to do to open the sharing dialog?)				
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for opening the sharing dialog? Is it apparent when needed?)	The share icon is clearly visible and is prominent enough			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Since, the user wants to share the photos and he clicks on the share button, it seems alright			1

Step 2-5: The app displays the sharing dialog with a list of images. The user selects the required photos from the list. The clicks on the button to move ahead. The app checks if at least one image is chosen.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	The checkboxes are clearly visible on top of images and the count on next button changes as the user selects/deselects the image			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, as the selection/deselection of images and changing of count informs the user of a new change			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, as the selection/deselection of images and changing of count informs the user of a new change			

Step 6-9: The app shows the masking dialog to the user. The user selects portions of the image to be masked. The user chooses between emoticon masking and blurring for the selected portions. The user confirms selection by clicking on the button.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			I think not, maybe a virtual walkthrough of the different interactions should be available that will entail how a user can apply effects to a photo	M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	The button along with a slider is clearly visible			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	The button along with a slider is clearly visible			1

Step 10-11: The app validates the selections and masking options chosen by the user. The app then scans the visible faces to identify the recipients.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			There should also be a progress bar to show the status of processing	M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			There should also be a progress bar to show the status of processing	M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			There should also be a progress bar to show the status of processing	M

Step 12-14: The app then proceeds to the next screen for mode of sharing. The user confirms the recipients and chooses the mode of sharing. The app verifies the recipients and mode of sharing.

—

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	The buttons as well as selection of users are clearly visible along with a confirm button			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	The buttons as well as selection of users are clearly visible along with a confirm button			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback	The buttons as well as selection of users are clearly visible along with a confirm button			M

that they have made a correct or incorrect choice of action?)				

Step 15-16: The app sends the images to the selected recipients. The app shows success notice to the user.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	The success message along with a confirmation button is visible clearly			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	The success message along with a confirmation button is visible clearly			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct	The success message along with a confirmation button is visible clearly			M

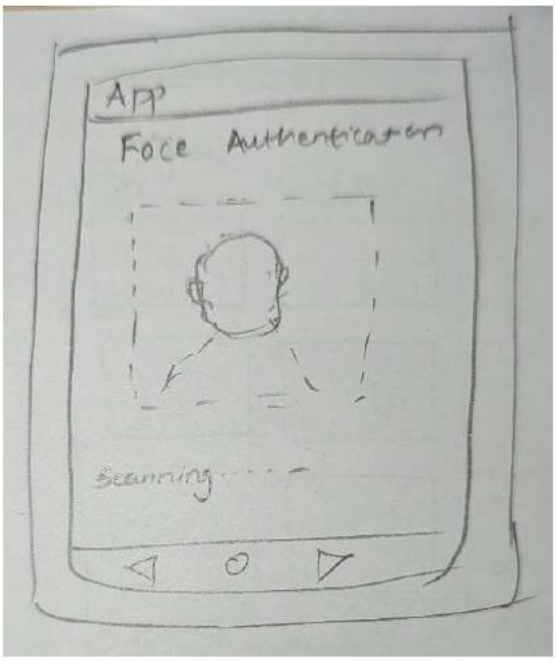
action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)				

Step 17: The recipients receive notification on their phone from the app for the shared images.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	The notification box is clearly visible			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	The notification box is clearly visible			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback	The notification box is clearly visible			M

that they have made a correct or incorrect choice of action?)				

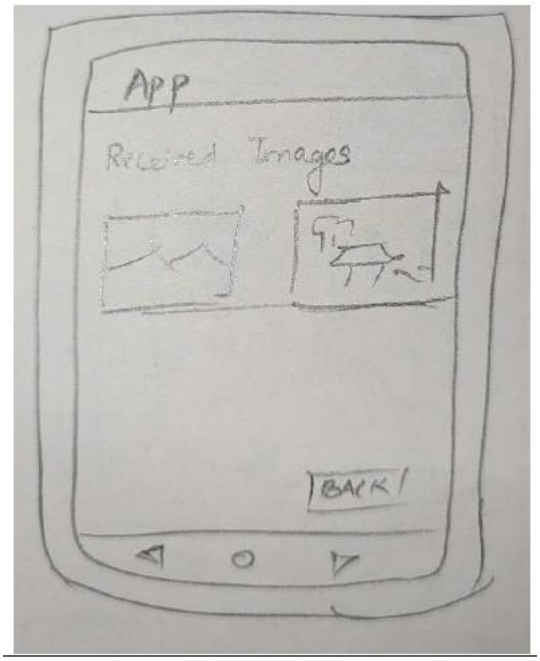
Step 18-19: The recipient opens the app to receive the images. The app scans the recipients face to authenticate the transfer.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	The purpose of this page is clearly visible			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	The purpose of this page is clearly visible			M

Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	The purpose of this page is clearly visible			1

Step 20: The app then displays the shared images to the user.

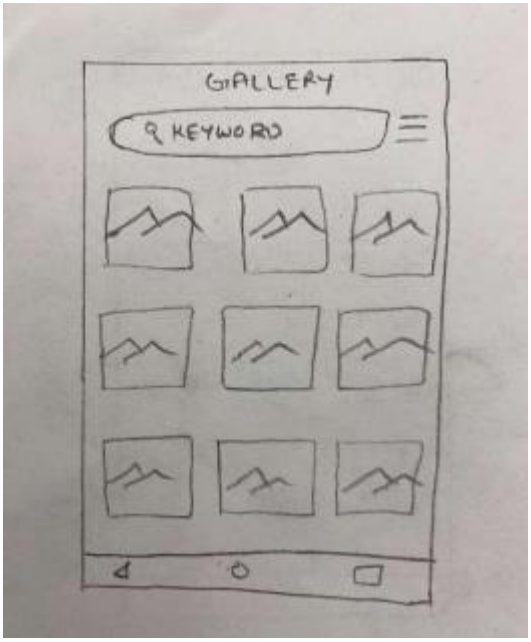


Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	The newly added images are clealy visible along with a back button			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button	The newly added images are clealy			M

or menu item that they should use for the next action? Is it apparent when needed?)	visible along with a back button			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	The newly added images are clealy visible along with a back button			M

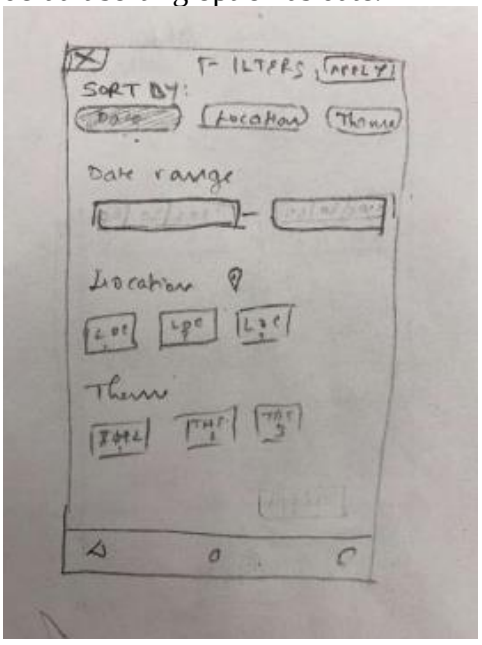
Cognitive Walkthrough Sheet [**Evaluation Sheet/s – Feature 2**]
Task Title: Quick search
Task Scenario: Roger and his friends Zoro, Jack and Brook love to travel. They have visited several locations all around Canada during the year 2022 as a part of their Canada wide trip. During this trip Roger and his friends visited Niagara Falls in June 2022. Roger now wants to add the images from Niagara Falls to his Instagram profile. So, he wants to search and filter his photos so that he can find the images easily. The app provides text and filters for this purpose. Roger applies the required filters on the app. The app then shows him the filtered images. Roger then uses these images for Instagram.

Step 1-4: The user opens the gallery on the app.
The app shows the gallery dialog with search bar and filter icon.
The user enters keyword for search.
The app verifies if the keyword is valid.



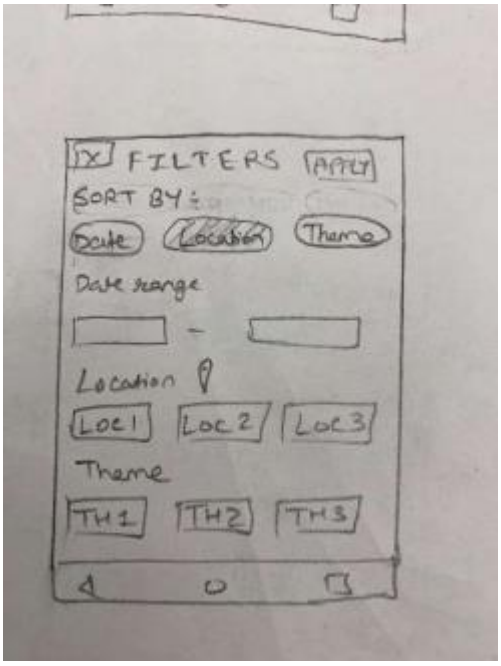
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	The search bar is clearly visible			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	The search bar is clearly visible			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	The search bar is clearly visible			M

Step 5-6: The user clicks on the filter's icon to open filter dialog.The app opens the filter dialog with default sorting option as date.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	All the sorting options are clearly visible and comprehnsible			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	All the sorting options are clearly visible and comprehnsible			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	All the sorting options are clearly visible and comprehnsible			M

Step 7-8: The user selects required sorting from given options.
The app switches from the default sorting option to the selected.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	The selected sorting option is visible clearly when a user clicks on it (change is visible)			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	The selected sorting option is visible clearly when a user clicks on it (change is visible)			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	The selected sorting option is visible clearly when a user clicks on it (change is visible)			1

Step 9-10: The user enters the start date and the end date.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			Date Format should also be visible in case a user adds the date by keying in	M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Date Format should also be visible in case a user adds the date by keying in	M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			Date Format should also be visible in case a user adds the date by keying in	M

Step 11-12: The user chooses the required locations from the list or by setting location. The app verifies if the selected locations are valid.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			Location should be searchable instead of selecting, and recently selected locations can be shown as chips	M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Location should be searchable instead of selecting, and recently selected locations can be shown as chips	M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			Location should be searchable instead of selecting, and recently selected locations can be shown as chips	M

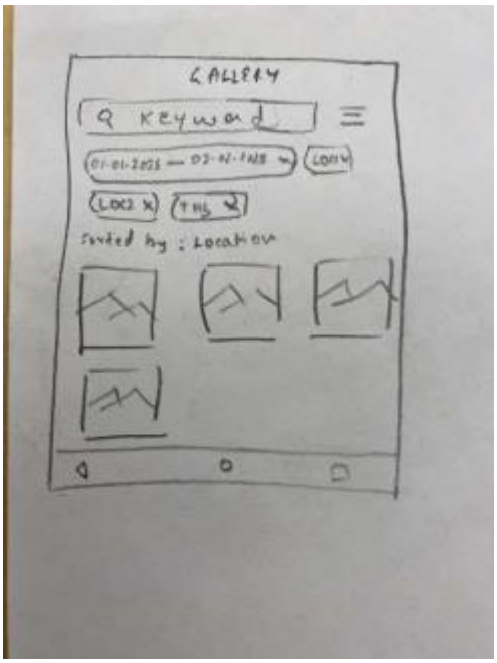
Step 13: The user chooses the required themes from the list.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Selection of themes are also clearly visible (both on selecting/deselecting)			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Selection of themes are also clearly visible (both on selecting/deselecting)			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Selection of themes are also clearly visible (both on selecting/deselecting)			1

Step 14: The user confirms selections by clicking on the Apply.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	The button along with its selection is clearly visible			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	The button along with its selection is clearly visible			M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	The button along with its selection is clearly visible			M

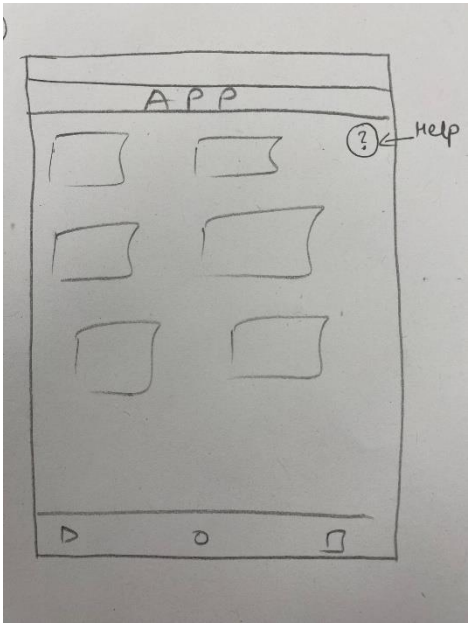
Step 15-17: The app verifies the filter and sorting selections.
The app displays the filtered images to the user
The app also shows the selected filters



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	The filters selected are clearly visible			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	The filters selected are clearly visible			M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	The filters selected are clearly visible			1

Cognitive Walkthrough Sheet [**Evaluation Sheet/s – Feature 3**]
Task Title: Provide help to user for any task.
Task Scenario: Joe(70y) and his friends Jane, John, and Jack got together during a reunion. Joe clicked a lot of photos of the event to preserve the memories. Jack requested Joe to share the photos containing him. Joe is not very tech savvy, so he uses the Help section of the app. Joe is not very good at typing, so he uses the voice search options to navigate to the required section. Joe watches the tutorial to share photos and shares images with Jack.

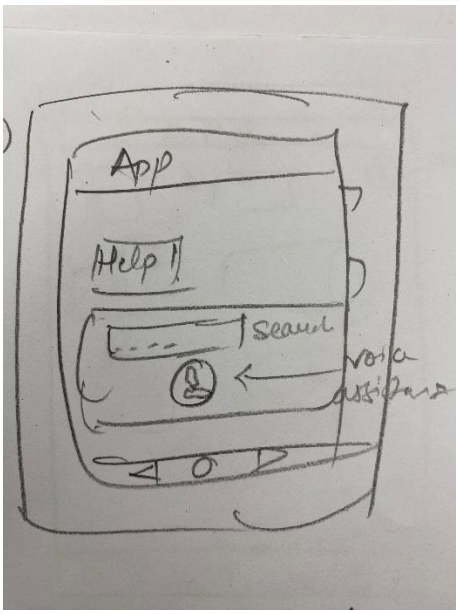
Step 1: The user opens the help button on the app.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			The help button should be available on the global app bar	M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			The help button should be available on the global app bar	M

Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			The help button should be available on the global app bar	M

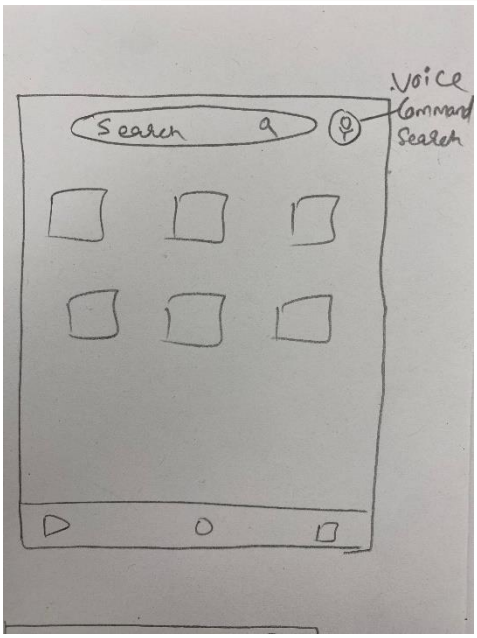
Step 2: The app shows the help dialog with both text and voice search.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			FAQs should also be visible by default	M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			FAQs should also be visible by default	M

Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			FAQs should also be visible by default	M

Step 3: The user clicks on voice search option.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			The voice command search button should be visible on the search bar and not outside as the user might not know what it's for	M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should			The voice command search button should be visible on the search bar and not outside as the user	M

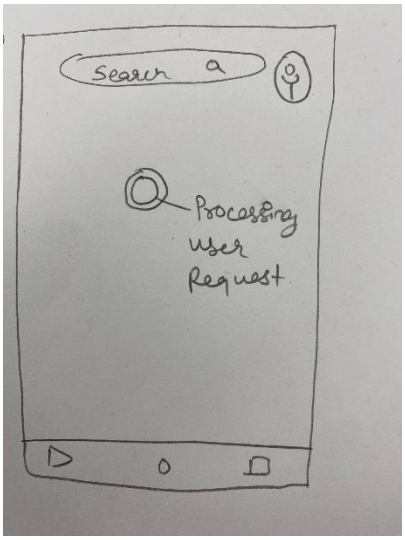
use for the next action? Is it apparent when needed?)			might not know what it's for	
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			The voice command search button should be visible on the search bar and not outside as the user might not know what it's for3	M

Step 4: The app requests the user to speak for help.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	The speak for help box is clearly understandable			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should	The speak for help box is clearly understandable			1

use for the next action? Is it apparent when needed?)				
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	The speak for help box is clearly understandable			M

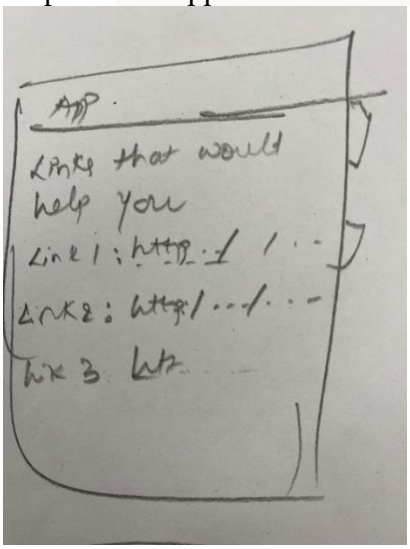
Step 5: The app then processes the user's request.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Processing status is clearly visible for processing voice input			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Processing status is clearly visible for processing voice input			1

Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Processing status is clearly visible for processing voice input			1

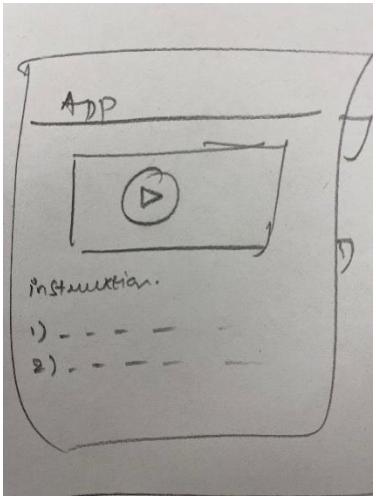
Step 6 : The app shows various links related to the user's request (Sharing in this case).



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	The helpful messages seems to be clearly visible			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	The helpful messages seems to be clearly visible			1
Will the Farhan associate and interpret the response				1

from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	The helpful messages seems to be clearly visible			

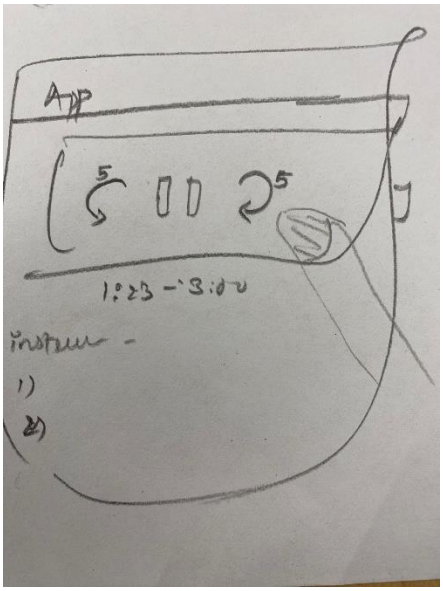
Step 7: The user selects the link that suits them the most.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	After selecting the link, the instructions are both available as text as well as a video			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	After selecting the link, the instructions are both available as text as well as a video			1
Will the Farhan associate and interpret the response from the action correctly	After selecting the link, the instructions			1

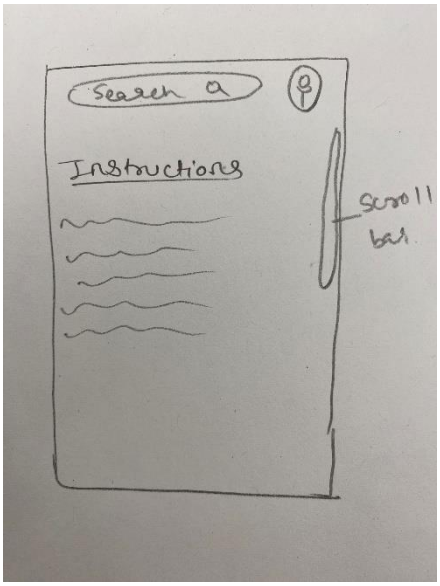
("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	are both available as text as well as a video			

Step 8-10: The app then shows a video dialog with text instructions at the bottom.
The user clicks on the play icon to play the tutorial.
The can forward or rewind the video to understand the functionality.



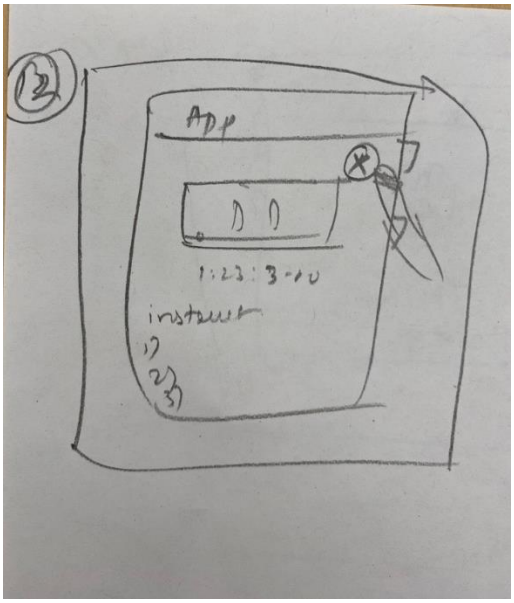
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	The controls are clearly understandable			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	The controls are clearly understandable			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	The controls are clearly understandable			1

Step 11: The user scrolls down to look at text instructions.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			Both the video as well as text instructions should be visible so that the user can go through both of them simultaneously if needed	M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Both the video as well as text instructions should be visible so that the user can go through both of them simultaneously if needed	M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			Both the video as well as text instructions should be visible so that the user can go through both of them simultaneously if needed	M

Step 12: The user exits the help using the close



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	The close button is clearly visible			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	The close button is clearly visible			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	The close button is clearly visible			M

Evaluation 3

Date of Evaluation: 19th July , 2023

Names of Evaluators: Nisarg Shah (B00945549)

Cognitive Walkthrough Sheet [**Evaluation Sheet/s – Feature 1**]

Task Title: Sharing images securely with masking/blurring.
Task Scenario: Farhan enjoys visiting various scenic locations with their travel group. There are 4 other members in this travel group, Jenny, Audrie, John, and Mike. They visited Rainbow beach last week and clicked a lot of images on everyone's phones. Farhan wants to share these photos with their travel group securely. Farhan opens the app's share dialog.
The app's sharing dialog provides options like masking and face authentication. Farhan chooses the images that they wants to share and applies masking to blur faces in the background, who are not part of the travel group. They then chooses the members/group with whom the images are to be shared. The group members then receive a notification that images have been shared.

Step 1-4: The user opens the sharing dialog from the gallery.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan	Farhan will able to understand and figure out sharing			

know what to do to open the sharing dialog?)	button as it is of general convention.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for opening the sharing dialog? Is it apparent when needed?)	Farhan will notice the Share button.			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	The next page brings Farhan to the sharing page.			

Step 2-5: The app displays the sharing dialog with a list of images. The user selects the required photos from the list. The clicks on the button to move ahead. The app checks if at least one image is chosen.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will able to understand the to select images.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Farhan will have ambiguity in either Click share.	M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Farhan will be able to interpret to select images.			

Step 6-9: The app shows the masking dialog to the user. The user selects portions of the image to be masked. The user chooses between emoticon masking and blurring for the selected portions. The user confirms selection by clicking on the button.

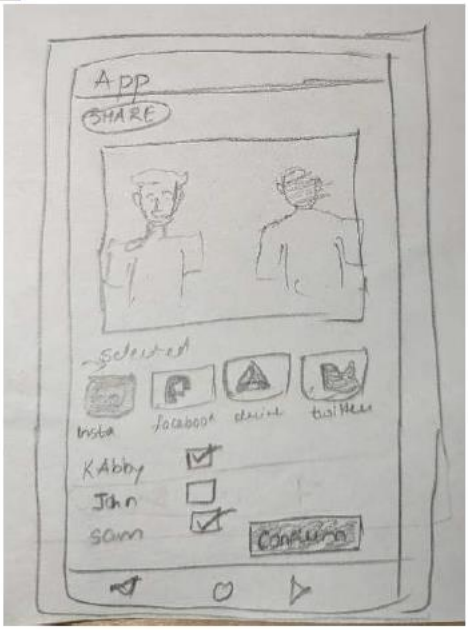
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes , Farhan will be able do masking.			M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes , masking in mentioned on top of the page to select masking.			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes . Farhan will understand the action to mask and see the scroll bar to apply.			

Step 10-11: The app validates the selections and masking options chosen by the user. The app then scans the visible faces to identify the recipients.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will see Processing prompt.			M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			There is no back button or prompt to wait for the action to complete.	M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have	Farhan will see Processing prompt and it will sufficient for him to wait.			M

made a correct or incorrect choice of action?)				

Step 12-14: The app then proceeds to the next screen for mode of sharing. The user confirms the recipients and chooses the mode of sharing. The app verifies the recipients and mode of sharing.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will see the share action.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Farhan will get the name of people to share with.			
Will the Farhan associate and interpret the response from the	Yes , Farhan will select people and click on next.			M

action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)				

Step 15-16: The app sends the images to the selected recipients. The app shows success notice to the user.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will see the success message.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, Farhan will see the OK button to acknowledge success.			

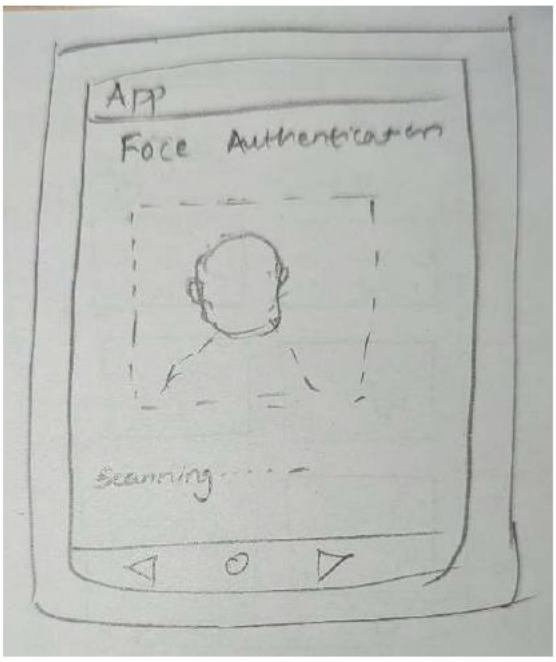
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes , from the success message he would interpret the action completion.			M

Step 17: The recipients receive notification on their phone from the app for the shared images.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will see the notification.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Farhan will check notification pop-up on phone.			

Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, Farhan will interpret to click on notification.			M

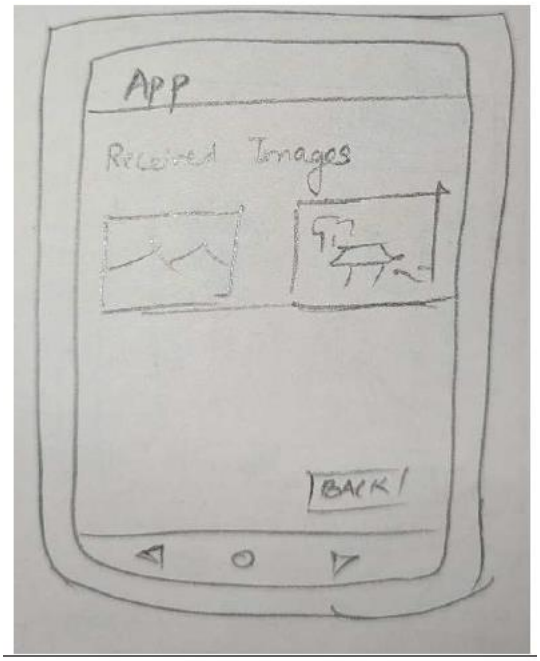
Step 18-19: The recipient opens the app to receive the images. The app scans the recipients face to authenticate the transfer.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will see the Face Authentication going on.			

Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Farhan will not understand if he has to cancel ongoing step.	M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, Farhan interpret the action that it is scanning for face Authentication.			

Step 20: The app then displays the shared images to the user.

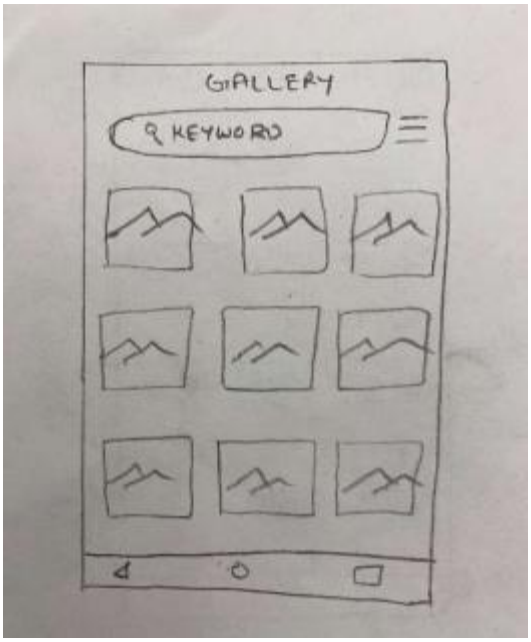


Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will see the received images.			

Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Farhan can scroll and see all images.			M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Farhan will be see the back button and can also click on image.			M

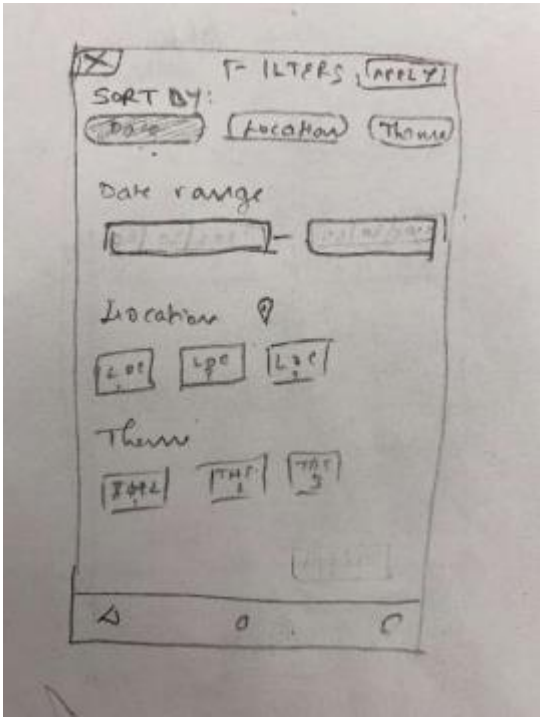
Cognitive Walkthrough Sheet [**Evaluation Sheet/s – Feature 2**]
Task Title: Quick search
Task Scenario: Roger and his friends Zoro, Jack and Brook love to travel. They have visited several locations all around Canada during the year 2022 as a part of their Canada wide trip. During this trip Roger and his friends visited Niagara Falls in June 2022. Roger now wants to add the images from Niagara Falls to his Instagram profile. So, he wants to search and filter his photos so that he can find the images easily. The app provides text and filters for this purpose. Roger applies the required filters on the app. The app then shows him the filtered images. Roger then uses these images for Instagram.

Step 1-4: The user opens the gallery on the app.
The app shows the gallery dialog with search bar and filter icon.
The user enters keyword for search.
The app verifies if the keyword is valid.



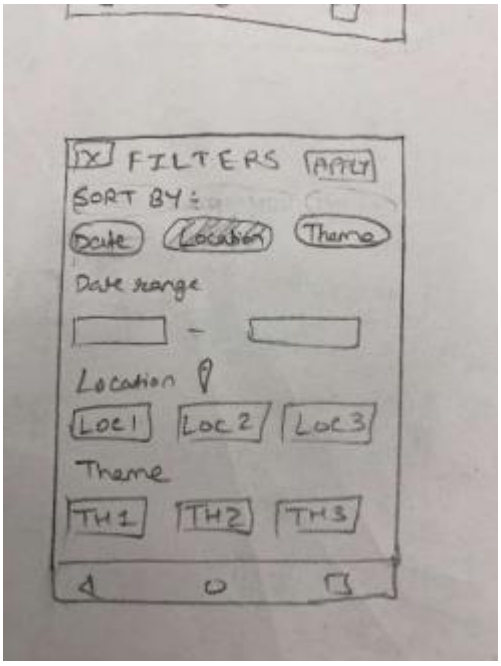
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			Farhan will not be able to find filter feature as it is not same as general convention	M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, Farhan will see the search and typing area.			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, Farhan will see the result from keyword search.			M

Step 5-6: The user clicks on the filter's icon to open filter dialog.
The app opens the filter dialog with default sorting option as date.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will be able to see the filters.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Farhan will see all the different filters available.			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	The next screen will bring all the available options for filters.			M

Step 7-8: The user selects required sorting from given options.
The app switches from the default sorting option to the selected.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will see different sort by options.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Farhan will see the Date, Location, and Theme available to select from.			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Farhan will see the newly selected sort by feature.			

Step 9-10: The user enters the start date and the end date.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will see area to enter dates.			M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Farhan will select the dates by clicking the date options.			M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Farhan will interpret to click on dates to select date range for images.			M

Step 11-12: The user chooses the required locations from the list or by setting location. The app verifies if the selected locations are valid.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will see Location filter.			M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Farhan will see different locations available to choose from for applying filters.			M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Farhan select the correct location and redirect to next page.			M

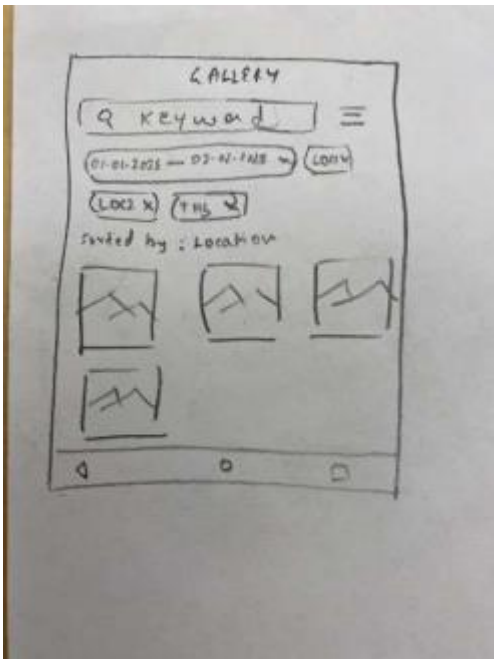
Step 13: The user chooses the required themes from the list.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will see the themes.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Farhan will select one or more themes to apply.			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Farhan will see images based on applied themes.			

Step 14: The user confirms selections by clicking on the Apply.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will see the Apply button.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Farhan will click on Apply button to complete action.			M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)		Farhan will not see prompt after appling all the filters successfully.		M

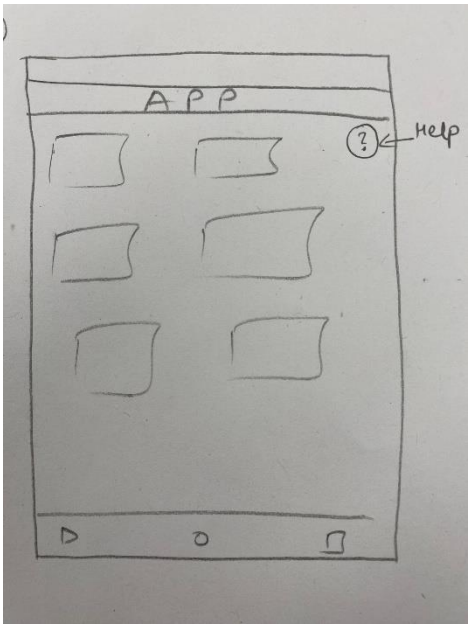
Step 15-17: The app verifies the filter and sorting selections.
The app displays the filtered images to the user
The app also shows the selected filters



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will see the applied filters.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Farhan will see button to remove filter			M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Farhan will see images filtetered accordingly.			

Cognitive Walkthrough Sheet [**Evaluation Sheet/s – Feature 3**]
Task Title: Provide help to user for any task.
Task Scenario: Joe(70y) and his friends Jane, John, and Jack got together during a reunion. Joe clicked a lot of photos of the event to preserve the memories. Jack requested Joe to share the photos containing him. Joe is not very tech savvy, so he uses the Help section of the app. Joe is not very good at typing, so he uses the voice search options to navigate to the required section. Joe watches the tutorial to share photos and shares images with Jack.

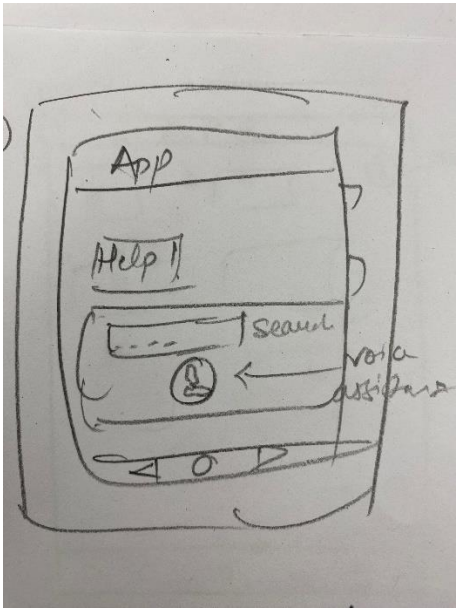
Step 1: The user opens the help button on the app.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, Farhan will see the Help button.			M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, Farhan will notice the Help button on the page.			M

Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes , Farhan will be able to interpret to click the Help button.			M

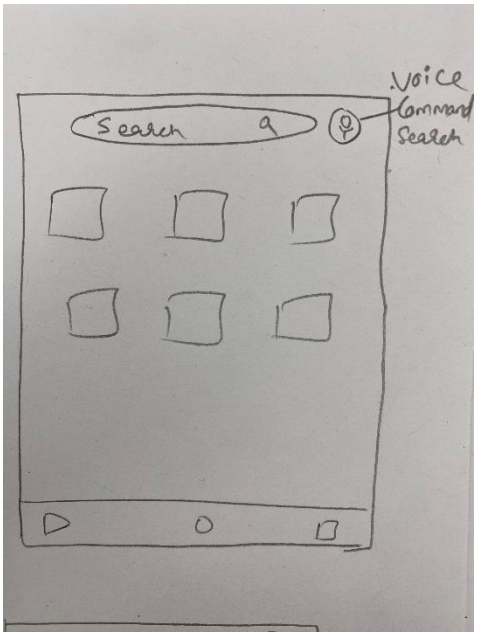
Step 2: The app shows the help dialog with both text and voice search.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)		Farhan will not be able to understand voice search dialogue.		M

Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Farhan will see the Help button but not voice search.	M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Farhan will be redirected to the option selected.			M

Step 3: The user clicks on voice search option.

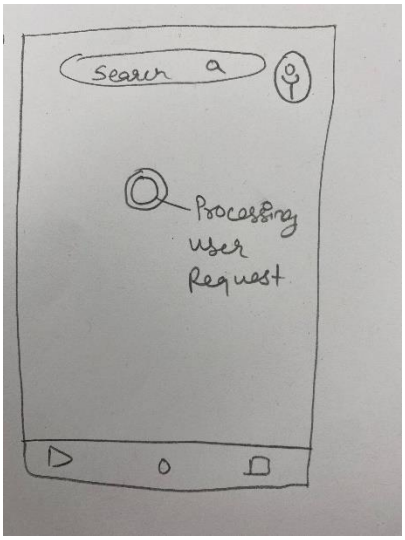


Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will see the voice search mic icon.			M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Farhan will click on voice search icon to seach.			M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Farhan will be searching with voice command and see output.			M

Step 4: The app requests the user to speak for help.

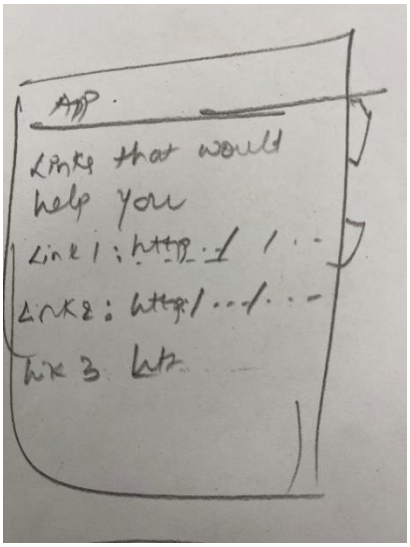
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			Farhan will not be able to understand the correct action.	M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Farhan will notice that it is waiting for user to speak.			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Farhan will be redirected to the page where app is perfoming action spoken.			M

Step 5: The app then processes the user's request.



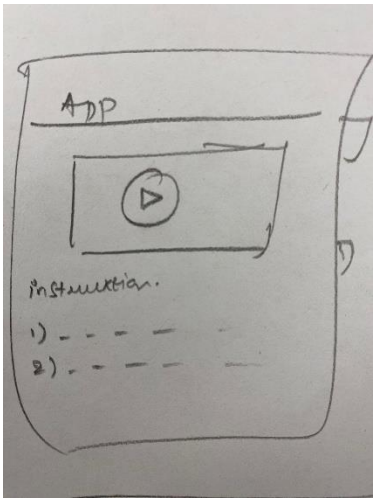
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will see Processing going on for request.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Farhan will be able to see it is processing the requ est.			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Farhan will be redirected to new page with request asked for.			

Step 6 : The app shows various links related to the user's request (Sharing in this case).



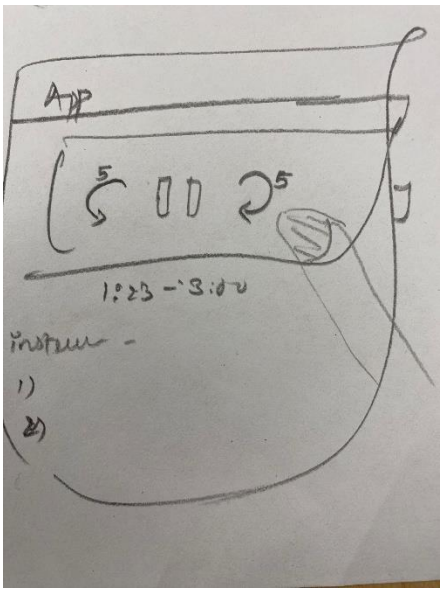
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will see the available links.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Farhan will click on link he wants to access.			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Farhan will be redirected to the link he clicks.			

Step 7: The user selects the link that suits them the most.



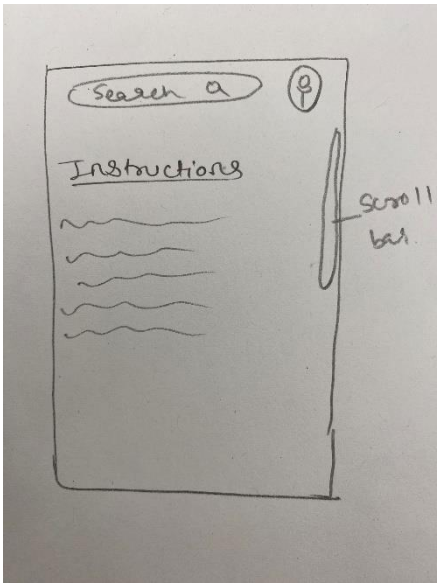
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will be see the video with instruction.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)		Farhan will not understand what to perform.		M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Farhan will be redirected to the video page when clicked on video.			

Step 8-10: The app then shows a video dialog with text instructions at the bottom.
The user clicks on the play icon to play the tutorial.
The can forward or rewind the video to understand the functionality.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will the see the video output.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Farhan will notice the different buttons for play , pause buttons.			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Farhan will be able to see the video changes according to action.			

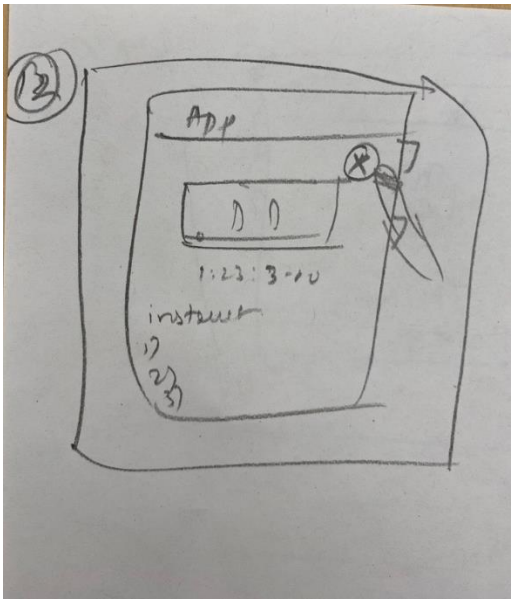
Step 11: The user scrolls down to look at text instructions.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will see the scroll bar.			M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Farhan will understand there is scroll bar to scroll.			M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a	Farhan will be able to navigate up and down with it.			M

correct or incorrect choice of action?)				

Step 12: The user exits the help using the close



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Farhan will see the exit button.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Farhan will understand to click exit to exit app.			

Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Farhan will be out of the app after clicking exit.			

Evaluation 4

Date of Evaluation: 19th July , 2023

Names of Evaluators: Shweta Shweta

Task Title: Sharing images securely with masking/blurring.
Task Scenario: Farhan enjoys visiting various scenic locations with their travel group. There are 4 other members in this travel group, Jenny, Audrie, John, and Mike. They visited Rainbow beach last week and clicked a lot of images on everyone's phones. Farhan wants to share these photos with their travel group securely. Farhan opens the app's share dialog.
The app's sharing dialog provides options like masking and face authentication. Farhan chooses the images that they want to share and applies masking to blur faces in the background, who are not part of the travel group. They then choose the members/group with whom the images are to be shared. The group members then receive a notification that images have been shared.

Step 1-4: The user opens the sharing dialog from the gallery.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to open the sharing dialog?)	Yes It is clear and UI is clear.			1

Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for opening the sharing dialog? Is it apparent when needed?)			Maybe The search option is clear and accessible. However, there is no correct action to enter or proceed to do the search. This might be a little misleading.	3
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			Maybe The share option is a little too close to the search bar, which might make user annoyed. The functionality is good.	2

Step 2-5: The app displays the sharing dialog with a list of images. The user selects the required photos from the list. The clicks on the button to move ahead. The app checks if at least one image is chosen.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes It is evident, the images are clearly displayed on the Screen.			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes The user will be able to successfully proceed.			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)		No The action is available. However, the user might share photos thinking the screen shows final selection of photos.		M

Step 6-9: The app shows the masking dialog to the user. The user selects portions of the image to be masked. The user chooses between emoticon masking and blurring for the selected portions. The user confirms selection by clicking on the button.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes It is clear to proceed with the action.			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes The correct action is available.			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes The user can interpret the response well.			1

Step 10-11: The app validates the selections and masking options chosen by the user. The app then scans the visible faces to identify the recipients.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes The action is evident to be completed.			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes The action is available and clear on the screen.			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes The user can interpret the response well.			1

Step 12-14: The app then proceeds to the next screen for mode of sharing. The user confirms the recipients and chooses the mode of sharing. The app verifies the recipients and mode of sharing.

—

qq

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? (“Know what to do?” -Will the Farhan know what to do to achieve the task?)	Yes The action is clear.			1
Will the Farhan notice that the correct action is available? (“See how to do it” - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Maybe The options are good to have. However, The screen is too clustered.	2
Will the Farhan associate and interpret the response from the action correctly (“Understand correct action/not correction” - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes The response is clear and evident.			1

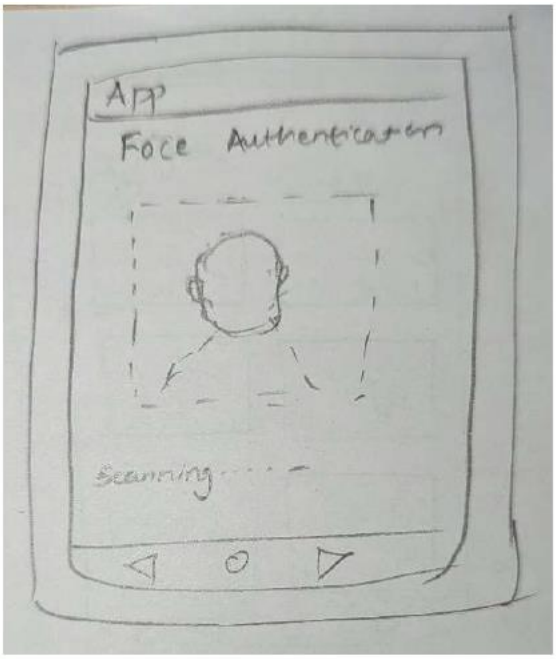
Step 15-16: The app sends the images to the selected recipients. The app shows success notice to the user.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			Maybe, The option is not present to show the processing of the image sharing status.	2
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, the correct action is available.			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)		No, The app response doesn't mention that the images are shared.		4

Step 17: The recipients receive notification on their phone from the app for the shared images.

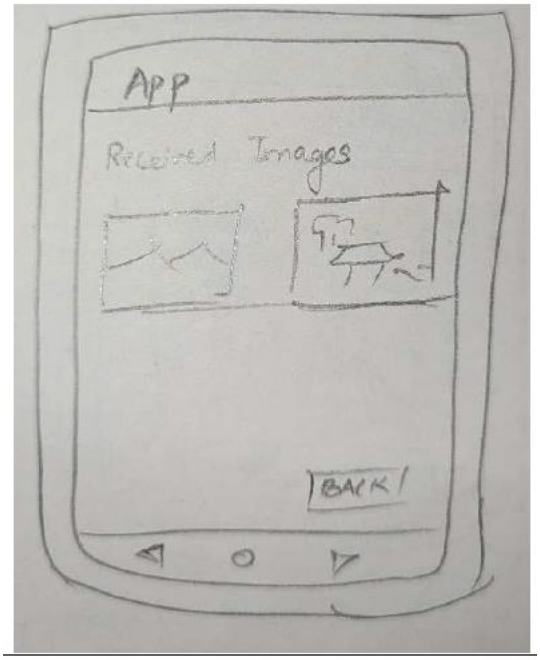
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, The notification feature is good.			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, the pop-up notification clearly shows the status.			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, the notification clearly mentions the message.			1

Step 18-19: The recipient opens the app to receive the images. The app scans the recipients face to authenticate the transfer.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes The action is available.			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes The correct action is available.			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, The response is good.			1

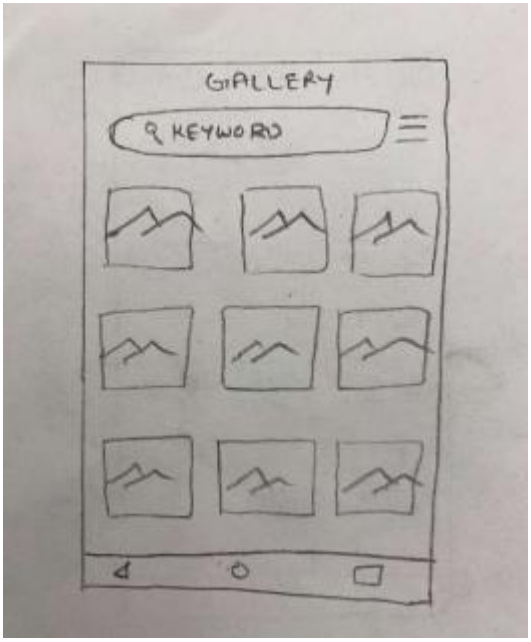
Step 20: The app then displays the shared images to the user.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			Maybe, The back option may lead to function failure.	2
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, The correct options are available.			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, The screen message is clear.			1

Cognitive Walkthrough Sheet [**Evaluation Sheet/s – Feature 2**]
Task Title: Quick search
Task Scenario: Roger and his friends Zoro, Jack and Brook love to travel. They have visited several locations all around Canada during the year 2022 as a part of their Canada wide trip. During this trip Roger and his friends visited Niagara Falls in June 2022. Roger now wants to add the images from Niagara Falls to his Instagram profile. So, he wants to search and filter his photos so that he can find the images easily. The app provides text and filters for this purpose. Roger applies the required filters on the app. The app then shows him the filtered images. Roger then uses these images for Instagram.

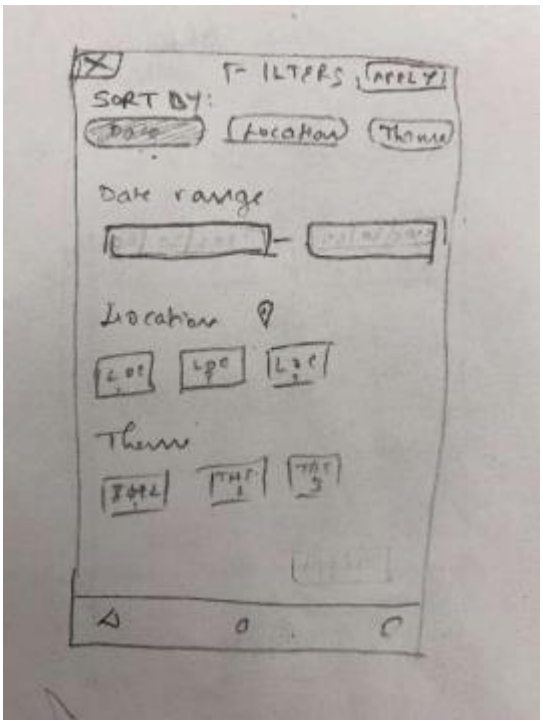
Step 1-4: The user opens the gallery on the app.
The app shows the gallery dialog with search bar and filter icon.
The user enters keyword for search.
The app verifies if the keyword is valid.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes It is clear what needs to be done.			1
Will the Farhan notice that the correct action is available? ("See how to do			Maybe While searching, the user doesn't get an	3

it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			option to enter the search keyboard.	
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes The response is clear.			1

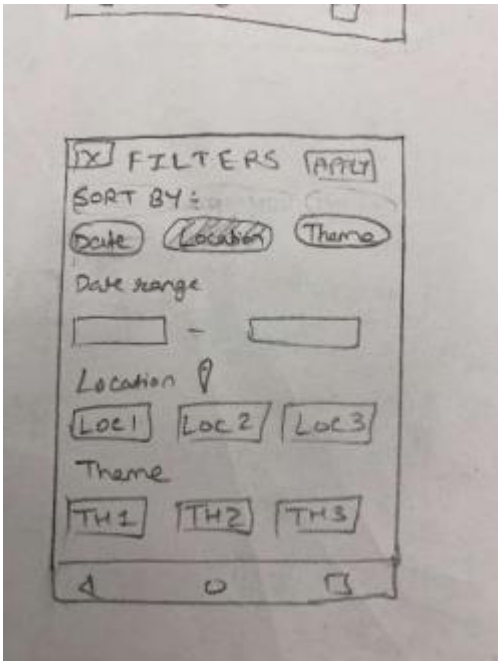
Step 5-6: The user clicks on the filter's icon to open filter dialog.
The app opens the filter dialog with default sorting option as date.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			Maybe The screen doesn't show the default filter applied.	3
Will the Farhan notice that the correct action is available? ("See how to do it"	Yes			1

- Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	The correct action is available.			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			Maybe For older people, It might be confusing to select the correct option and understand the existing applied filter.	M

Step 7-8: The user selects required sorting from given options.
The app switches from the default sorting option to the selected.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes The action is clear.			1
Will the Farhan notice that the correct action is	Yes			1

available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	The correct action is available.			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			Maybe, the user doesn't get any on-screen confirmation.	2

Step 9-10: The user enters the start date and the end date.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes The correct feature is available.			1
Will the Farhan notice that the correct action is	Yes			1

available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	The correct option is available.			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes The correct response is available.			1

Step 11-12: The user chooses the required locations from the list or by setting location.
The app verifies if the selected locations are valid.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes The action is evident on what needs to be done.			1

Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Maybe, The screen is too clustered. Can remove few options.	2
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes The response is clear.			1

Step 13: The user chooses the required themes from the list.

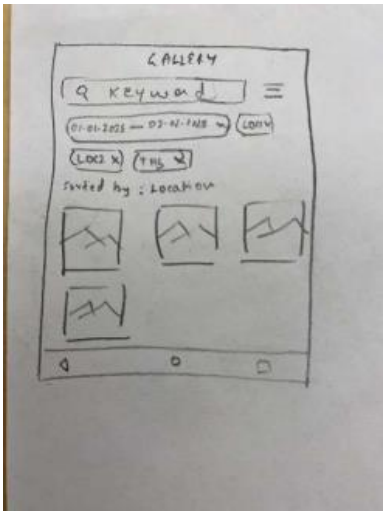
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)

Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes The actin is clear on what needs to be done,			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Maybe The screen is too cluttered. Some actions are not clearly visible.	3
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes The response is evident.			1

Step 14: The user confirms selections by clicking on the Apply.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes The action is clear.			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes The correct action is available.			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes The response is clear.			1

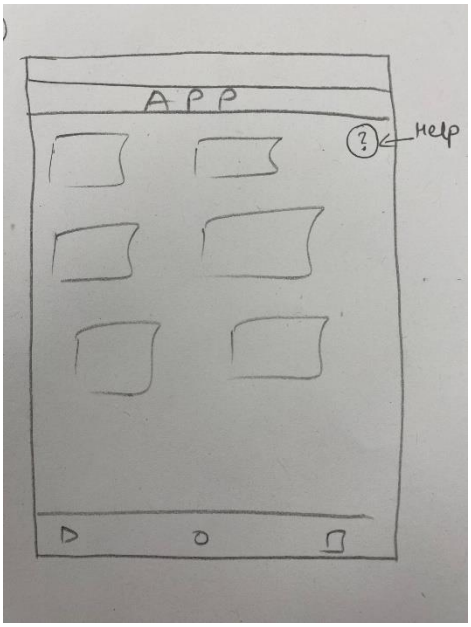
Step 15-17: The app verifies the filter and sorting selections.
The app displays the filtered images to the user
The app also shows the selected filters



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes The action is clear.			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes The action is available.			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes The response is clear.			1

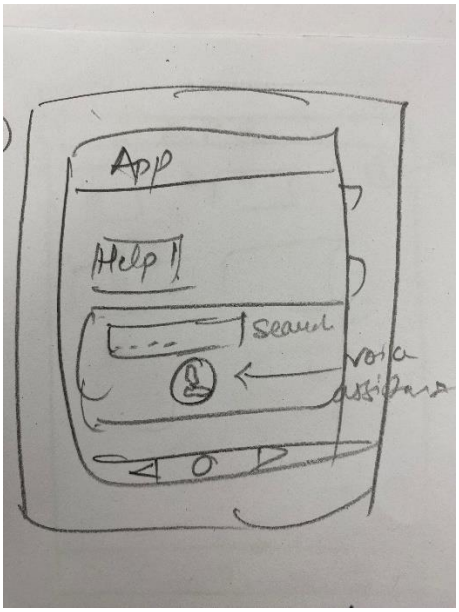
Cognitive Walkthrough Sheet [**Evaluation Sheet/s – Feature 3**]
Task Title: Provide help to user for any task.
Task Scenario: Joe(70y) and his friends Jane, John, and Jack got together during a reunion. Joe clicked a lot of photos of the event to preserve the memories. Jack requested Joe to share the photos containing him. Joe is not very tech savvy, so he uses the Help section of the app. Joe is not very good at typing, so he uses the voice search options to navigate to the required section. Joe watches the tutorial to share photos and shares images with Jack.

Step 1: The user opens the help button on the app.



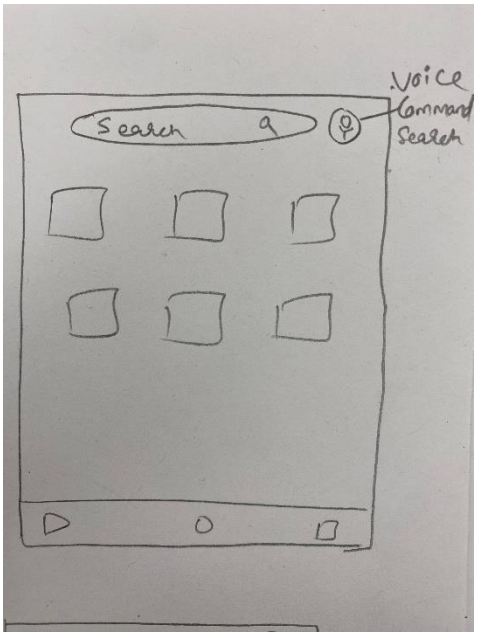
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, The help button is sufficient.			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, The correct options are available.			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, The correct response is clear.			1

Step 2: The app shows the help dialog with both text and voice search.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, the action is sufficient			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Maybe. The action is available. However, the action doesn't clearly mention the steps to do to complete the task.	2
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			Maybe The response isn't clear enough. This response can be improved to better display the option. Additionally, the language feature can be added.	M

Step 3: The user clicks on voice search option.

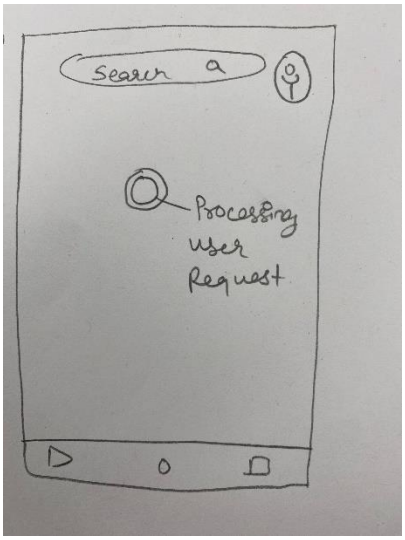


Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			Maybe, The option is very small and can be zoom or added some special effect to let the user know they chose the right option.	2
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes The action is evident.			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes The user can easily interpret the response			1

Step 4: The app requests the user to speak for help.

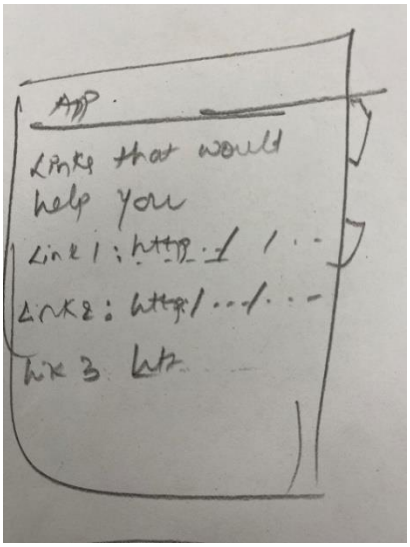
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes The user will be able to use the feature.			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes The action is clearly available.			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes The user can interpret the response.			1

Step 5: The app then processes the user's request.



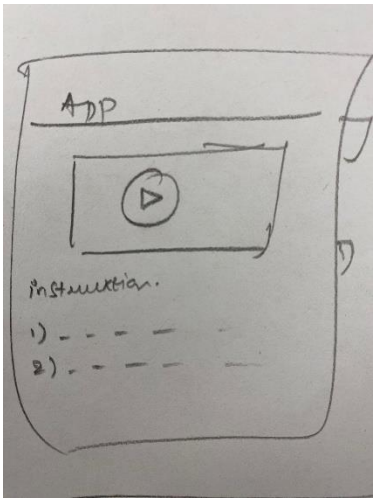
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			Maybe The user might be able to figure out what is current action.	2
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Maybe The icon doesn't clearly show the loading action.	3
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes The user can correctly interpret the response,			1

Step 6 : The app shows various links related to the user's request (Sharing in this case).



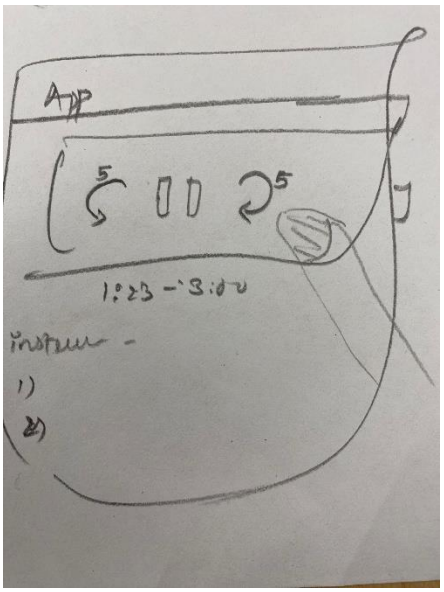
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)		No The links aren't clear as to what they mean. Instead of text, icons can be added.		M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes The correct action is available.			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes The response is clear.			1

Step 7: The user selects the link that suits them the most.



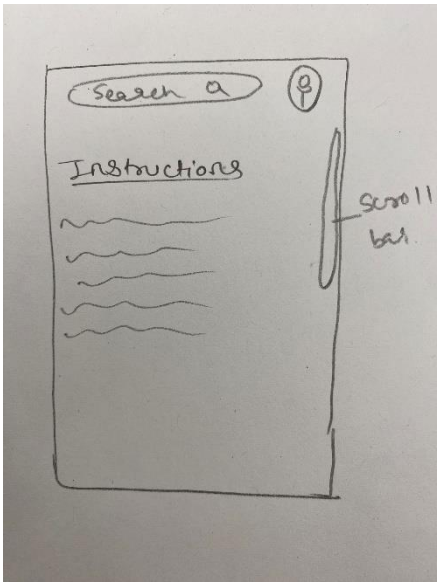
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			Maybe The links are available. However, it's not evident which link has been chosen by the user.	3
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)		No The correct action is not available. As the selected option is not highlighted or zoomed.		4
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes The response is clear.			1

Step 8-10: The app then shows a video dialog with text instructions at the bottom.
The user clicks on the play icon to play the tutorial.
The can forward or rewind the video to understand the functionality.



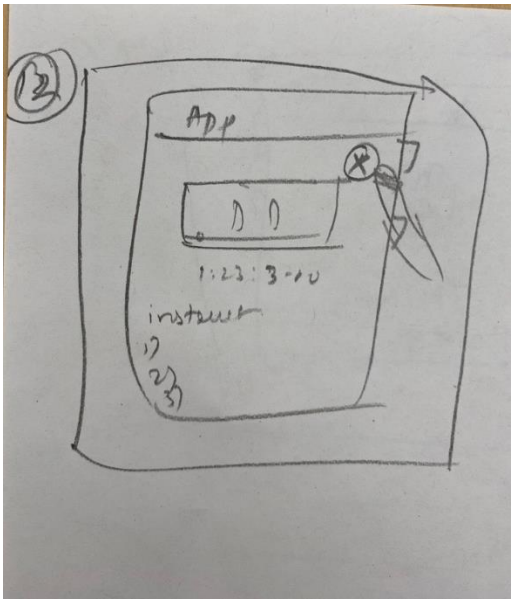
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes The action is clear.			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	YesThe correct action is available.			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes The response is clear.			1

Step 11: The user scrolls down to look at text instructions.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes The action is clear.			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	YesThe correct action is available.			1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes The response is clear.			1

Step 12: The user exits the help using the close



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes The action is clear.			1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Maybe The button size can be increased	2
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes The response is clear.			1

Evaluation 5

Date of Evaluation: July 19, 2023

Names of Evaluators: Vikram Venkatapathi

Task Title: Sharing images securely with masking/blurring.
Task Scenario: Farhan enjoys visiting various scenic locations with their travel group. There are 4 other members in this travel group, Jenny, Audrie, John, and Mike. They visited Rainbow beach last week and clicked a lot of images on everyone's phones. Farhan wants to share these photos with their travel group securely. Farhan opens the app's share dialog.
The app's sharing dialog provides options like masking and face authentication. Farhan chooses the images that they wants to share and applies masking to blur faces in the background, who are not part of the travel group. They then chooses the members/group with whom the images are to be shared. The group members then receive a notification that images have been shared.

Step 1-4: The user opens the sharing dialog from the gallery.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to open the sharing dialog?)	Yes, the app shows the **share,** icon which gives a cognitive instruction to share the images.			

Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for opening the sharing dialog? Is it apparent when needed?)	Yes, according to the scenario, Farhan can understand that Farhan can share the images Farhan has taken.			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			On clicking the share button, if it moves to the sharing module, then I think, it would be apparent to Farhan.	1

Step 2-5: The app displays the sharing dialog with a list of images. The user selects the required photos from the list. The clicks on the button to move ahead. The app checks if at least one image is chosen.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, Farhan would know what to do. Select the images			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, Farhan would know what to do. Since it provide feedback when the image is selected			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, when image is selected, the check box is checked, if it is not selected, then it is unchecked. So, the feedback indicates they have selected the correct action			

Step 6-9: The app shows the masking dialog to the user. The user selects portions of the image to be masked. The user chooses between emoticon masking and blurring for the selected portions. The user confirms selection by clicking on the button.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			Mask option is available but doesn't show what to do. Provide any information icon to show Farhan what to do.	M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, Farhan would know how to blur the face of a person in the image			

Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, after exploring Farhan would be able to know what to do with masking the faces, based on feedback show in the edited image			

Step 10-11: The app validates the selections and masking options chosen by the user. The app then scans the visible faces to identify the recipients.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, Farhan would know that, the masking is in progress with the loading icon			M

Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)		No, since no option is vailable. He won't know what to do		M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)		He would have to wait for the processing to be completed. It can show a progress bar to indicate the level of completion, for feedback		M

Step 12-14: The app then proceeds to the next screen for mode of sharing. The user confirms the recipients and chooses the mode of sharing. The app verifies the recipients and mode of sharing.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes the app shows the detected receipients, and their names. It also shows the apps to share to. Hence Farhan would know he can share the images now.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, he would know that the correct option is available to select the recipients and share to other platforms.			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			Change confirm button to send/share to be more instructive to Farhan., also provide multiselct to the platforms	M

Step 15-16: The app sends the images to the selected recipients. The app shows success notice to the user.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, it shows the image sharing is successful, Positive feedback.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, ok is available to the user. Which indicates the next step			

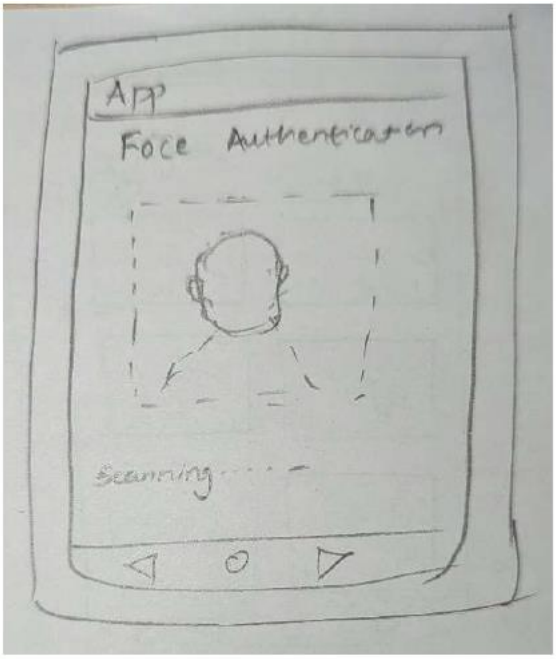
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			There are no other feedback, except the success one. Provide option to do any further tasks, like share more option	M

Step 17: The recipients receive notification on their phone from the app for the shared images.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			No action is available, just feedback is present	1

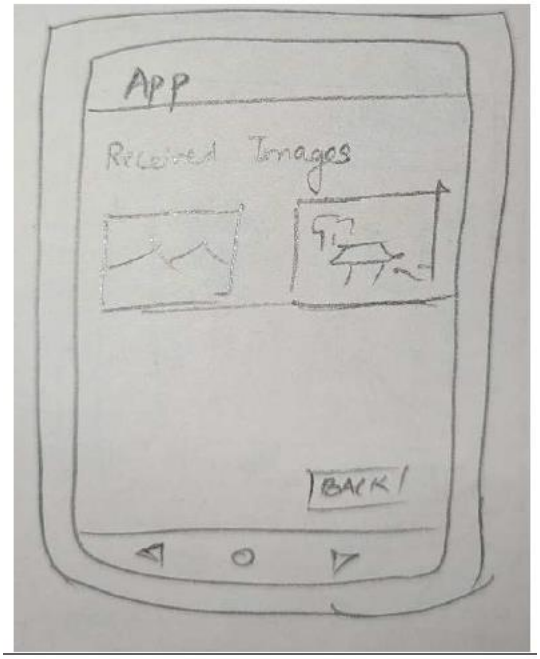
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			He knows that image sharing is successful. But no option is provided to to next task	1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)		No feedback, just notification is present		M

Step 18-19: The recipient opens the app to receive the images. The app scans the recipients face to authenticate the transfer.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, it shows that recepients face is required to receive the Images			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)		No, instead of directly opening the camera, provide an button to open the camera		M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, since the app requires face authentication, he would know that he has to take a picture of his face to go inside the app to receive images.			

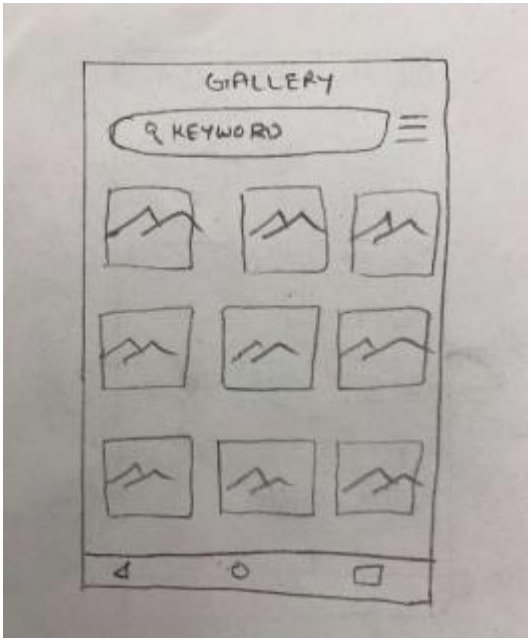
Step 20: The app then displays the shared images to the user.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, the app shows the received images,			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)		No option is available to save the images in his gallery.		M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			He would know that he has some images received, but can show from whom they have received it	M

Cognitive Walkthrough Sheet [**Evaluation Sheet/s – Feature 2**]
Task Title: Quick search
Task Scenario: Roger and his friends Zoro, Jack and Brook love to travel. They have visited several locations all around Canada during the year 2022 as a part of their Canada wide trip. During this trip Roger and his friends visited Niagara Falls in June 2022. Roger now wants to add the images from Niagara Falls to his Instagram profile. So, he wants to search and filter his photos so that he can find the images easily. The app provides text and filters for this purpose. Roger applies the required filters on the app. The app then shows him the filtered images. Roger then uses these images for Instagram.

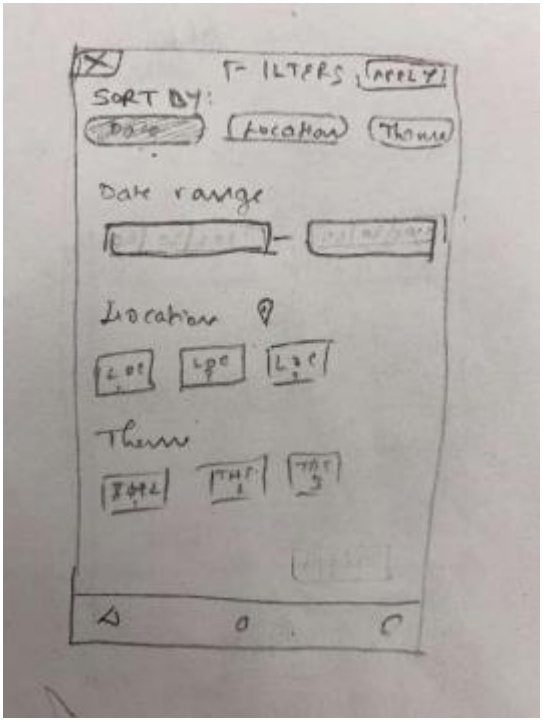
Step 1-4: The user opens the gallery on the app.
The app shows the gallery dialog with search bar and filter icon.
The user enters keyword for search.
The app verifies if the keyword is valid.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, sufficient options are provided to search an image			M
Will the Farhan notice that the correct action is available? ("See how to do	Yes, filter option to select date, time,			

it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	users, so he would know that he can select these options			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			Maybe provide a prompt to search for specific keywords based on recent addition of images, like "mountain", "beach" any prompt based on the user's recent uploads	M

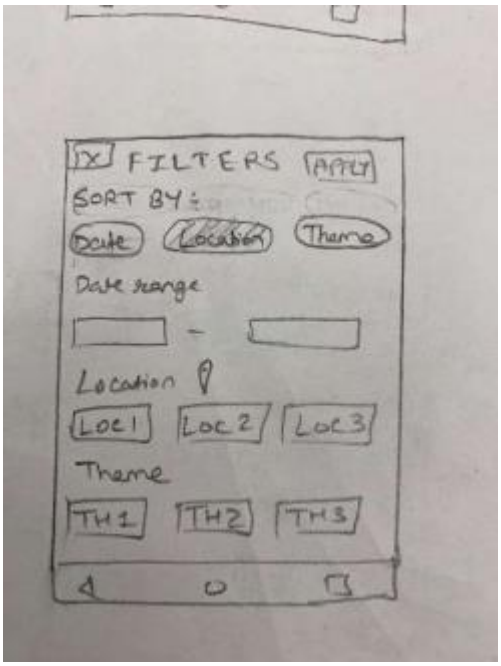
Step 5-6: The user clicks on the filter's icon to open filter dialog.
The app opens the filter dialog with default sorting option as date.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, sufficient options are provided in the filter feature, based on date, location, Hence			

	he would know he can adjust those filters			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Maybe provide some populated values based on recent addition of images	1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			He can understand but, make the apply button more evident, and move it to bottom	M

Step 7-8: The user selects required sorting from given options.
The app switches from the default sorting option to the selected.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes the filter options are available to select			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, he would know what to do with the filter options			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, he would know that he has adjust the dates, themes, add location to search the images.			

Step 9-10: The user enters the start date and the end date.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes the filter options are available to select			M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, he would know what to do with the filter options			M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, he would know that he has adjust the dates, themes, add location to search the images.			M

Step 11-12: The user chooses the required locations from the list or by setting location. The app verifies if the selected locations are valid.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes the filter options are available to select			M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, he would know what to do with the filter options			M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, he would know that he has adjust the dates, themes, add location to search the images.			M

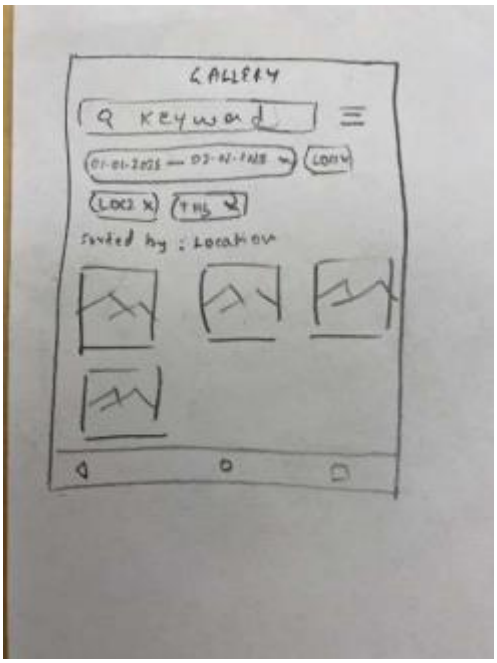
Step 13: The user chooses the required themes from the list.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes the filter options are available to select			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, he would know what to do with the filter options			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, he would know that he has adjust the dates, themes, add location to search the images.			

Step 14: The user confirms selections by clicking on the Apply.

Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)			Yes , apply option is available but make is more evident	1
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Yes, correct action is available and even shows the selected locations, dates, theme,	M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)		Add a progress bar to give feedback to the user that searching is in progress		M

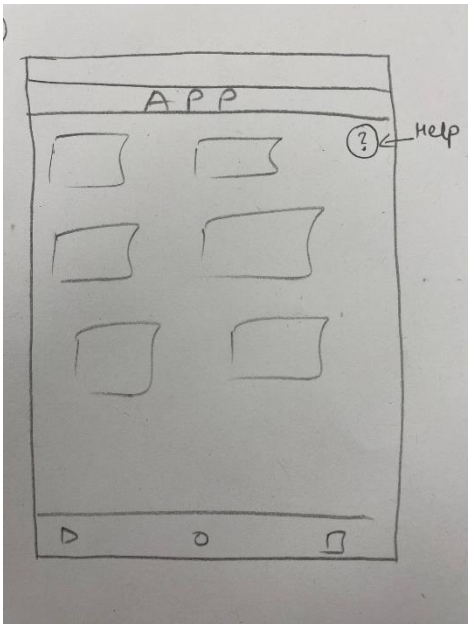
Step 15-17: The app verifies the filter and sorting selections.
The app displays the filtered images to the user
The app also shows the selected filters



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, the app shows the queries images based on filters			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)		No, it doesn't show any option on what to do next		M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, it shows the filters he selected. It indicates that he has made the correct selection			

Cognitive Walkthrough Sheet [**Evaluation Sheet/s – Feature 3**]
Task Title: Provide help to user for any task.
Task Scenario: Joe(70y) and his friends Jane, John, and Jack got together during a reunion. Joe clicked a lot of photos of the event to preserve the memories. Jack requested Joe to share the photos containing him. Joe is not very tech savvy, so he uses the Help section of the app. Joe is not very good at typing, so he uses the voice search options to navigate to the required section. Joe watches the tutorial to share photos and shares images with Jack.

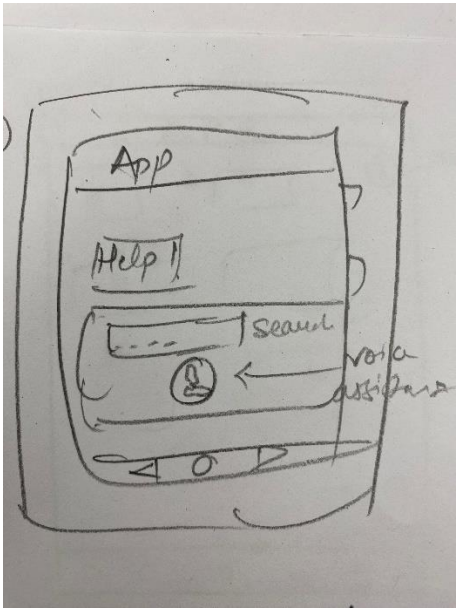
Step 1: The user opens the help button on the app.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, the help options evident, he would know what to do			M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Yes the correct option is available, maybe provide a prompt on hover , like what to do with it	M

Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)		No response is shown based on selection		M

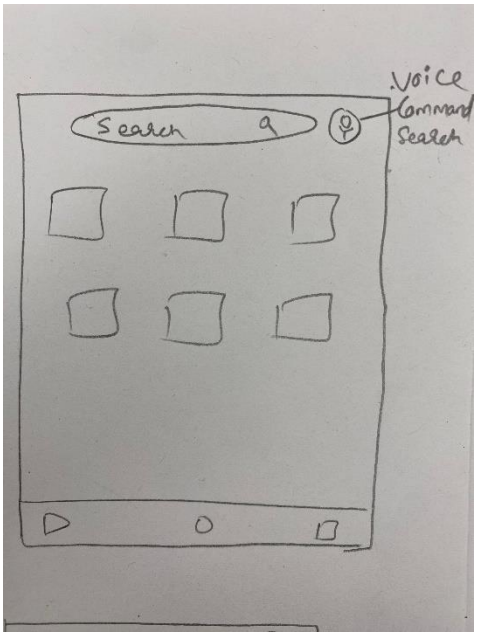
Step 2: The app shows the help dialog with both text and voice search.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yah text box search, voice input options are shown			M

Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			Maybe provide a prompt on what to do with the displayed options	M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)		No response is provided		M

Step 3: The user clicks on voice search option.

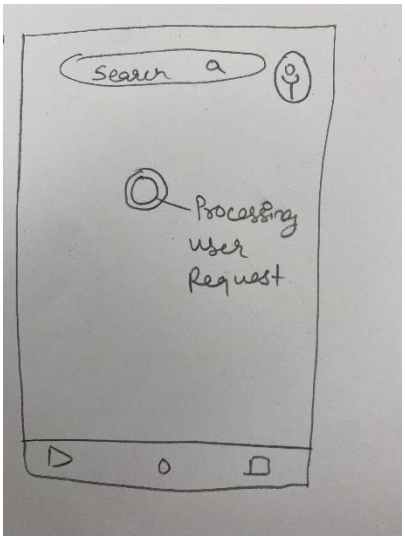


Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, voice search is available, but make it more evident			M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes the correct voice search option is availble			M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			Provide voice input prompt to get the voice search commands	M

Step 4: The app requests the user to speak for help.

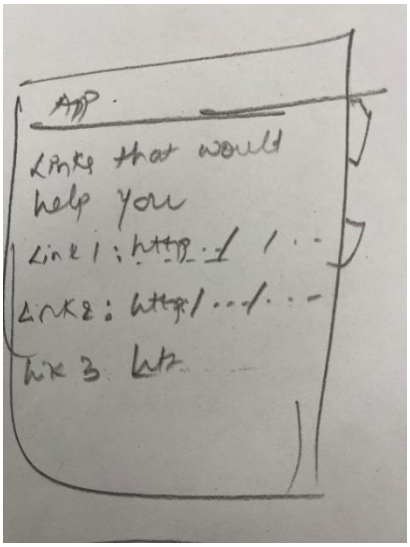
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, it shows prompt to give voice commands.			M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, it automatically detects voices			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)		Provide option to stop the voice detection to avoid any irrelevant input		M

Step 5: The app then processes the user's request.



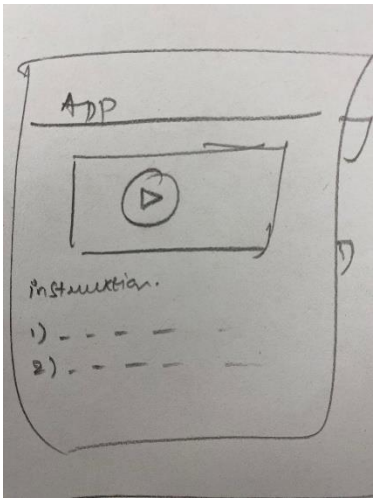
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, it shows the processing request loading icon. He knows that he has to wait			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)		No option is available, but he would know that he has to wait		1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, the loading icon shows that his request was accepted and is in progress. So he has to wait			

Step 6 : The app shows various links related to the user's request (Sharing in this case).



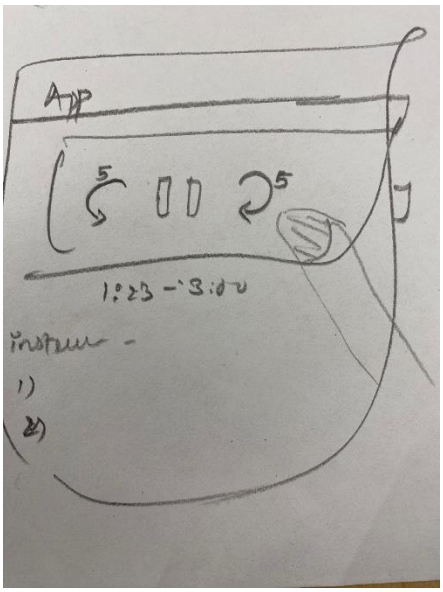
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, it shows the links that might help him.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)			It shows the link, but can also provide a short description on what it helps to do	1
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, it shows the suggested links based on the voice input. He got the correct feedback.			

Step 7: The user selects the link that suits them the most.



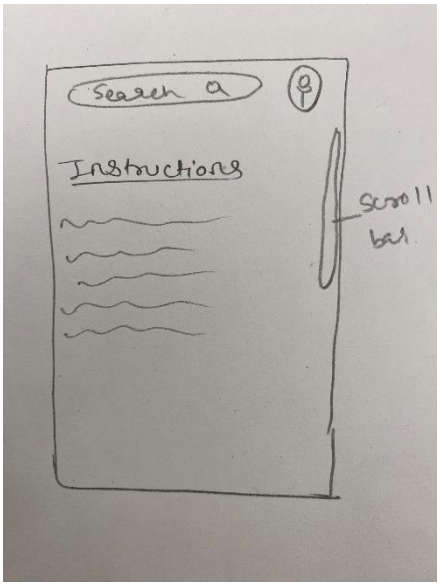
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, it shows video, steps to follow, and it is evident.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, it shows video, steps to follow, and it is evident. It indicate sthe user what to do.			M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, he would know that he has to play the video for tutorial, and go through the steps for instructions.			

Step 8-10: The app then shows a video dialog with text instructions at the bottom.
The user clicks on the play icon to play the tutorial.
The can forward or rewind the video to understand the functionality.



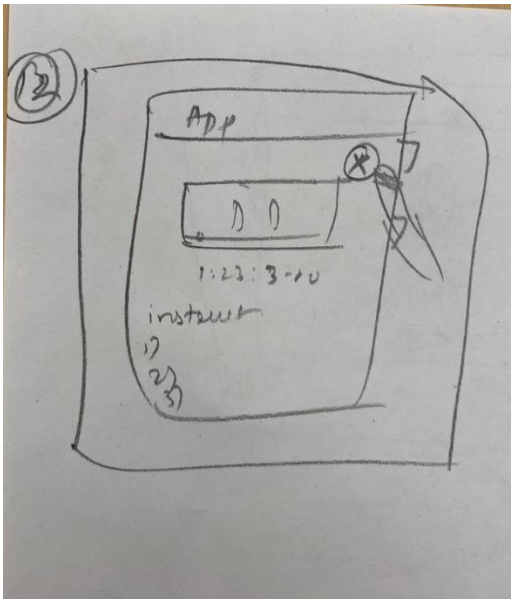
Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, it shows video, steps to follow, and it is evident. With the video dialog options.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, it shows video, steps to follow, and it is evident. It indicates the user what to do to play the video, pause, forward it..etc.,			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, he would know that he has to play the video for tutorial, and go through the steps for instructions. Yes, he would know based on the feedback it provides if he forwards the video.			

Step 11: The user scrolls down to look at text instructions.



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, it has a scroll bar, which allows the user to scroll through the instructions. It is evident.			M
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, the scroll option is available. It also has the option to search in the instructions for any specific steps.			M
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)	Yes, based on the scroll he would know that he did the task correctly			M

Step 12: The user exits the help using the close



Question	Yes (reason/s)	No (reason/s)	Maybe (reason/s)	Severity Rating (1-5)
Will the correct action be sufficiently evident to Farhan? ("Know what to do?" -Will the Farhan know what to do to achieve the task?)	Yes, close button is evident, he would know what to do.			
Will the Farhan notice that the correct action is available? ("See how to do it" - Can users see the button or menu item that they should use for the next action? Is it apparent when needed?)	Yes, the close button is apparent to the user			
Will the Farhan associate and interpret the response from the action correctly ("Understand correct action/not correction" - will users know from the feedback that they have made a correct or incorrect choice of action?)			Yes, but it can provide a prompt saying "are you sure, you want to close?" to let the user know that he is closing the app	M

Appendix D – Work Breakdown

Milestone Work Breakdown

The template has several sections and appendices. It is assumed that all members will contribute to the main parts of the assignment (e.g., analysis, task lists, use-cases, prototype details) but other parts may be assigned to different team members.

As well, everyone should take turns for the Milestone/final report as proofreaders to ensure that the team hands in a complete, cohesive, and well organized (with consistent layout/fonts) document. This extra step which doesn't take a lot of time, can have a substantial impact on your grade.

At the end of the project, your teammates will evaluate your overall performance and participation in the group project.

Activity	Team member/s who helped or were responsible
Purpose Objectives Background	Sushank Saini
Data Gathering Data Analysis and Results	Jinay Shah
Sketching Data Modeling Task List Scenarios Use Cases Prototype	Aharnish Maheshbhai Solanki
Cognitive Walkthrough Description	Dheeraj Bhat
Appendix Task, scenarios, use-cases and prototype Cognitive Walkthrough sheets	Aharnish Maheshbhai Solanki (Persona) Yogish Honnadevipura Gopalakrishna (Tasks, use cases and prototype) Dheeraj Bhat (Cognitive Walkthrough sheets)
Proofreader/s	Dheeraj Bhat and Sushank Saini