

# Firefox OS



## Gallery - Views

Version 1.2 August 07, 2014

Questions? E-mail the author or [firefoxos-ux@mozilla.com](mailto:firefoxos-ux@mozilla.com)

# Release Notes

v1.0	July 3, 2014	Tiffanie Shakespeare	New spec
v1.1	July 31, 2014	Tiffanie Shakespeare / Katie Caldwell	IA Diagrams added, updated flows for Gallery Views, Multi-Select, Single Photo/Video View
v1.2	Aug 07, 2014	Katie Caldwell	Main Gallery View reorganized, Favoriting/Unfavoriting updated to include Mixed Selections

# Open Issues

sdCard organization:

Camera photos and videos are stored in a DCIM folder

Screenshots are stored in a screenshot folder

Downloads are stored in a download folder (would users want to search by App ex: FB for image d/l?)

SMS images are stored in a sms attachment folder

Email attachments are stored on the sdcard

Email attachments should move to a folder to help with the source information.

Currently EXIF data is stripped when photos are sent via SMS or edited. Data should be retained, but can be optional, especially when user can add notes/tags.

Need a way to privately handle location information attached to photos. Should have the ability to “strip” the data when sharing. It would also be nice if the data was a little more “fuzzy” instead of so precise.

# User Stories

**Bug 1024258** - [meta] Gallery refresh

**Bug 1042311** - [gallery] Add new home screen for gallery

**Bug 1042312** - [gallery] Add favorites to gallery

~~**Bug 1042317**~~ - [gallery] Add timelines to gallery for [2.2 Release?]

Another spec:

**Bug 1042319** - [gallery] Update gallery edit UI and Visuals

**Bug 1042315** - [gallery] Visual refresh updates for gallery

# Concept/Goals

The Gallery as we know today pulls from many sources and just plops everything down on one page, these include:

- photos/videos from camera
- screenshots
- images saved from SMS, email attachments
- images downloaded/saved from browser
- any image on the sdCard

All these are mixed together and sorted into months.

The strategy this concept is going for is to separate everything into “folders” and give a little more separation between things. The folders become photos/videos from camera, screenshots, and everything else. The reason I pull out screenshots into its own “folder” is because this is comparative to camera. The user is purposefully taking screenshots of things of interest; it’s just a matter of external (camera) vs internal (screenshot). That then leaves all the other images since we don’t have a file explorer.

Favorites and albums are user-generated “folders”. Albums won’t be in 2.1, but we will have favorites. The goal with these is to allow the user to create a collection of content from any source/folder.

Aside from viewing “folders” there is an additional view that will show all content to allow the user to do some bulk management tasks on all their images - e.g. album creation or delete.

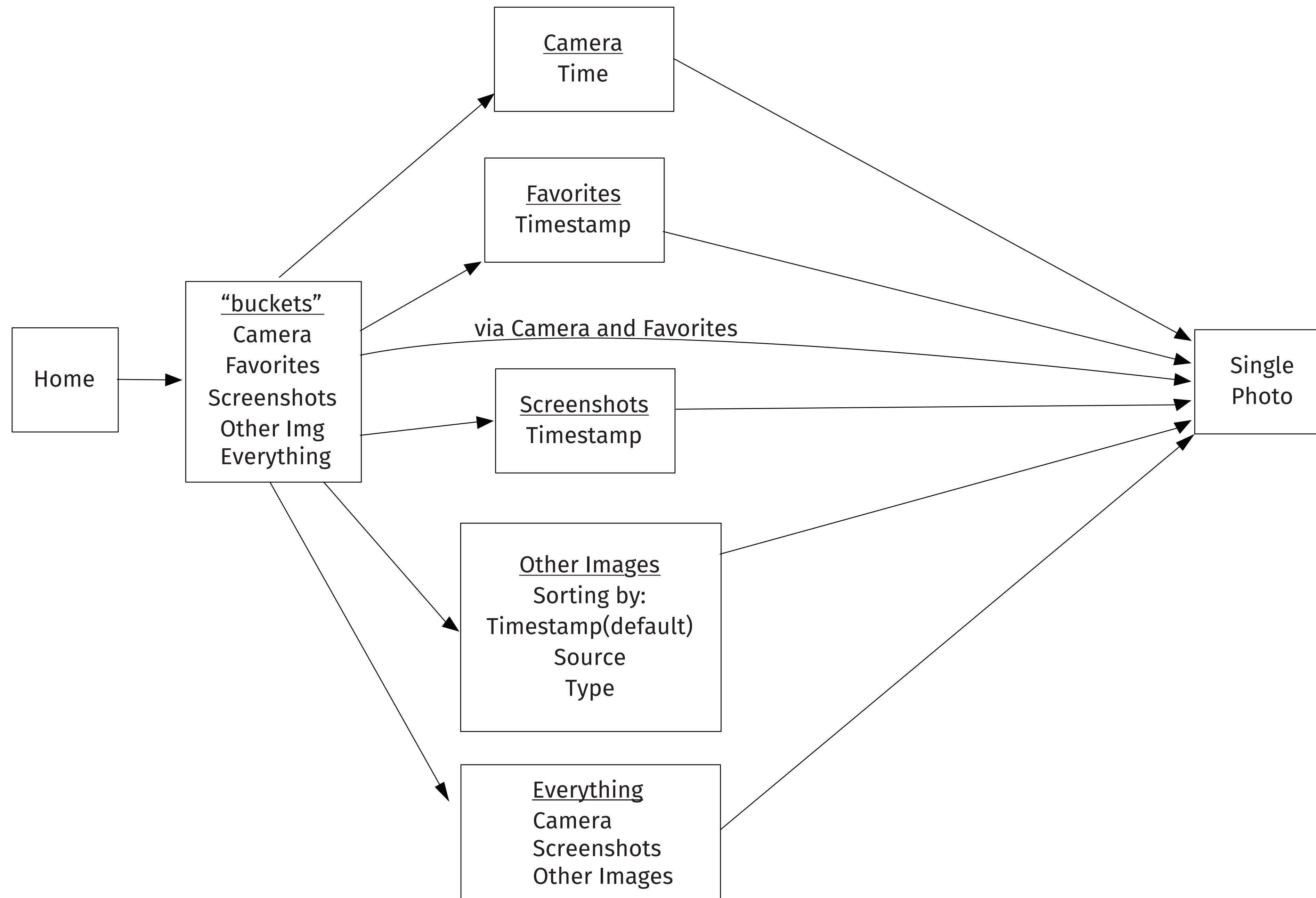
The prioritized list for 2.1, which this spec will cover:

- the new gallery screen and subsequent sub-views
- favorites
- overall visual refresh

If there’s time the team will then work on splitting the edit screen into two steps and an improved timeline presentation.

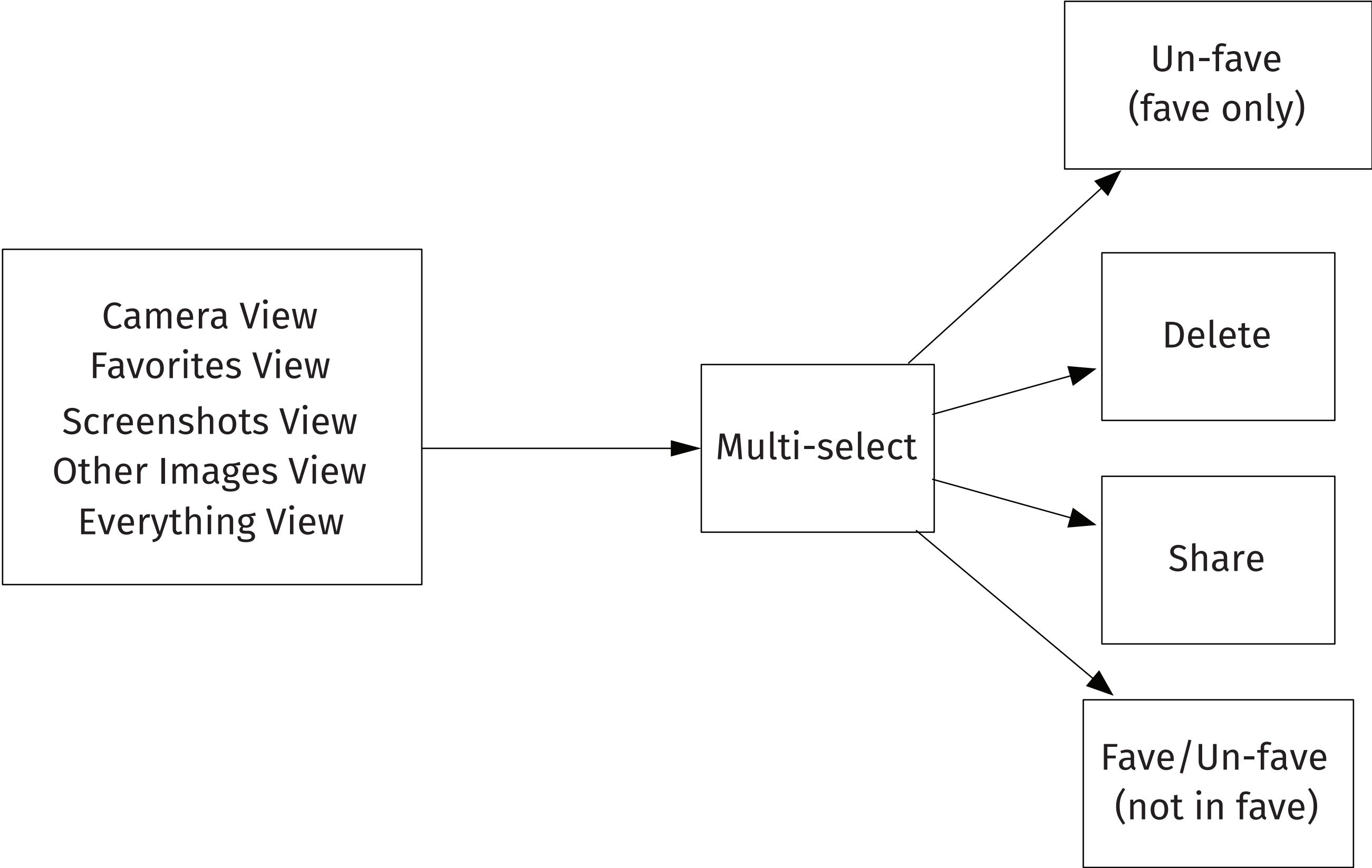


# Top Level IA



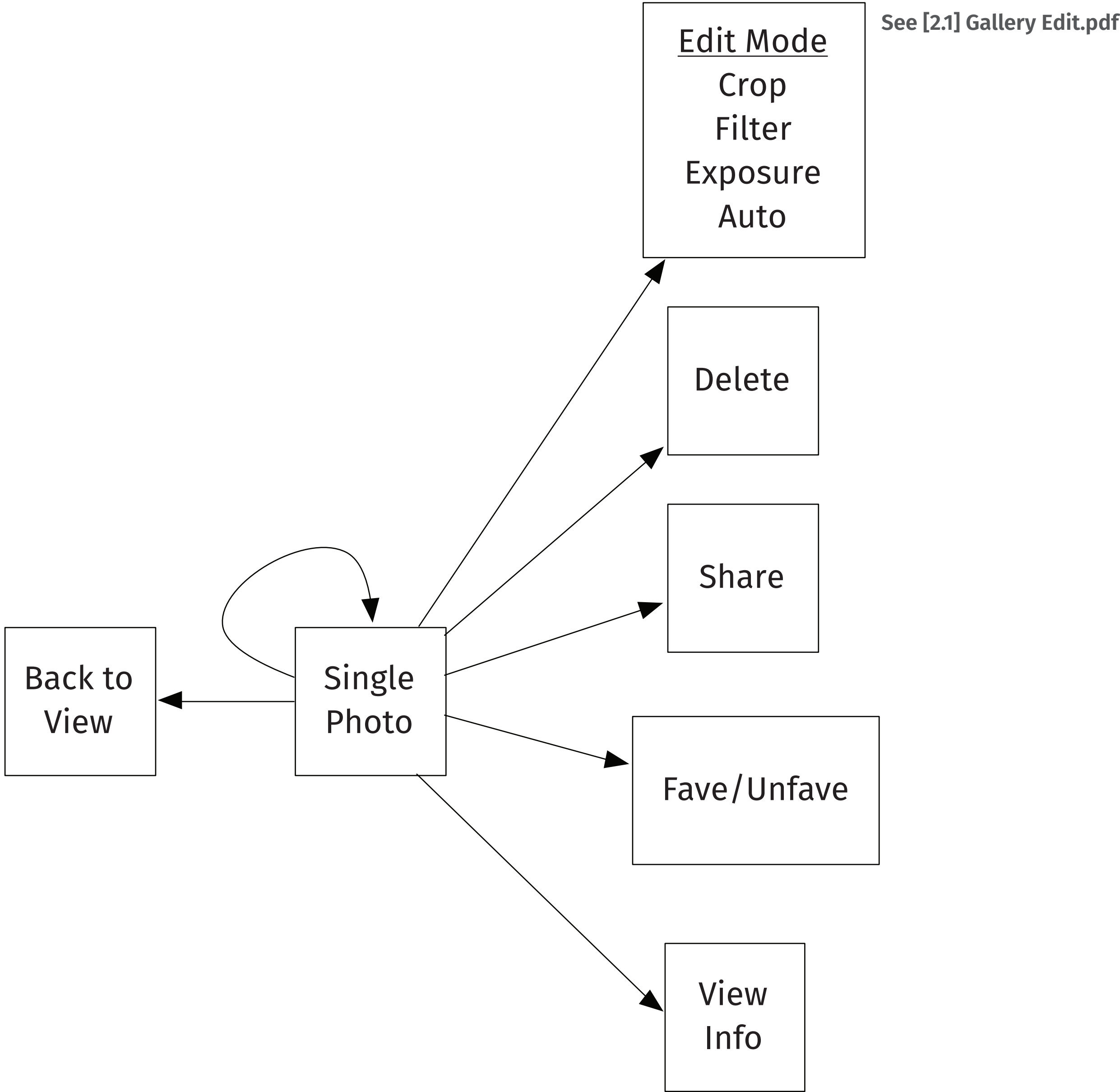


# Sub-View IA



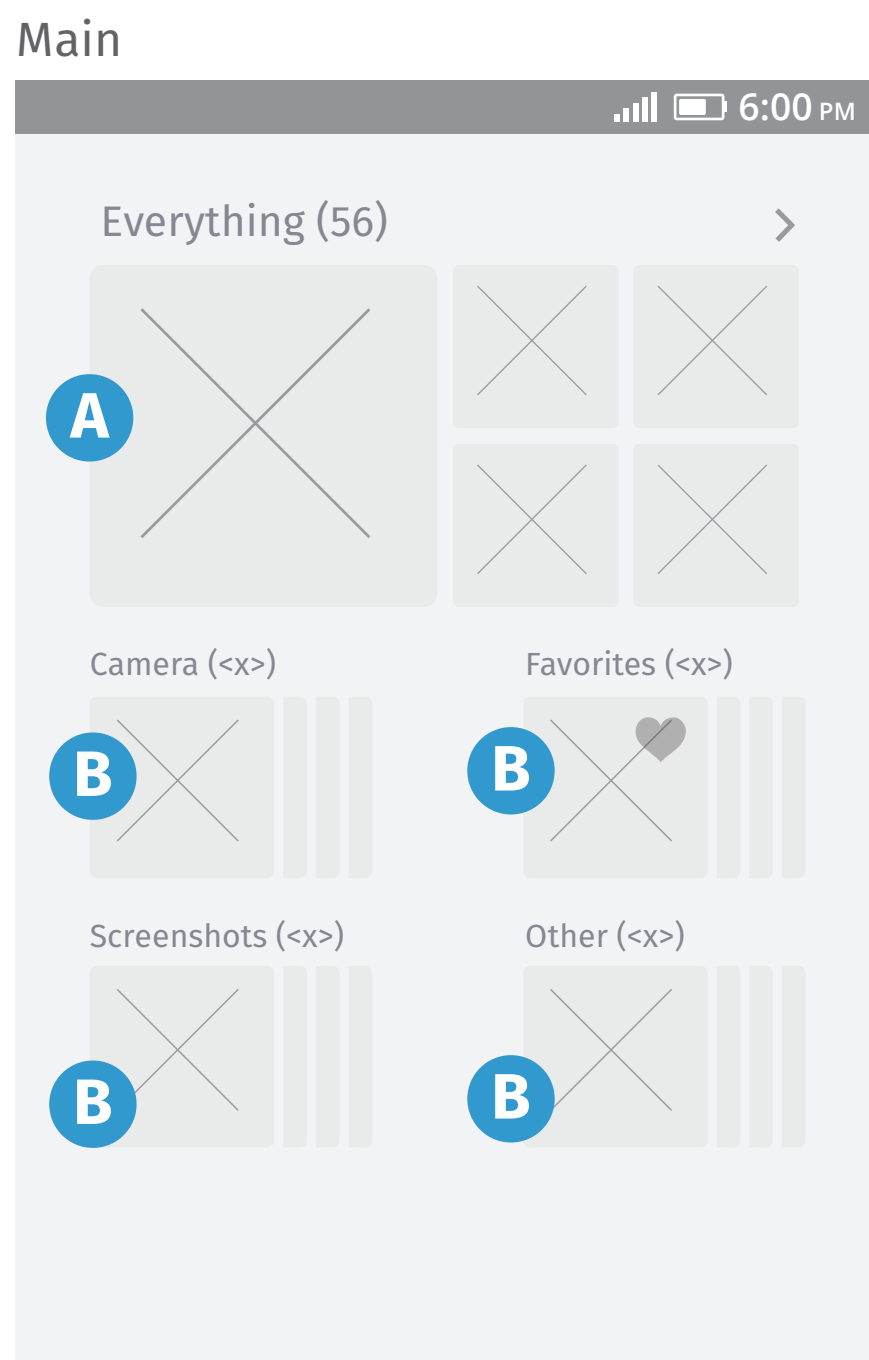


# Single Photo/Video IA





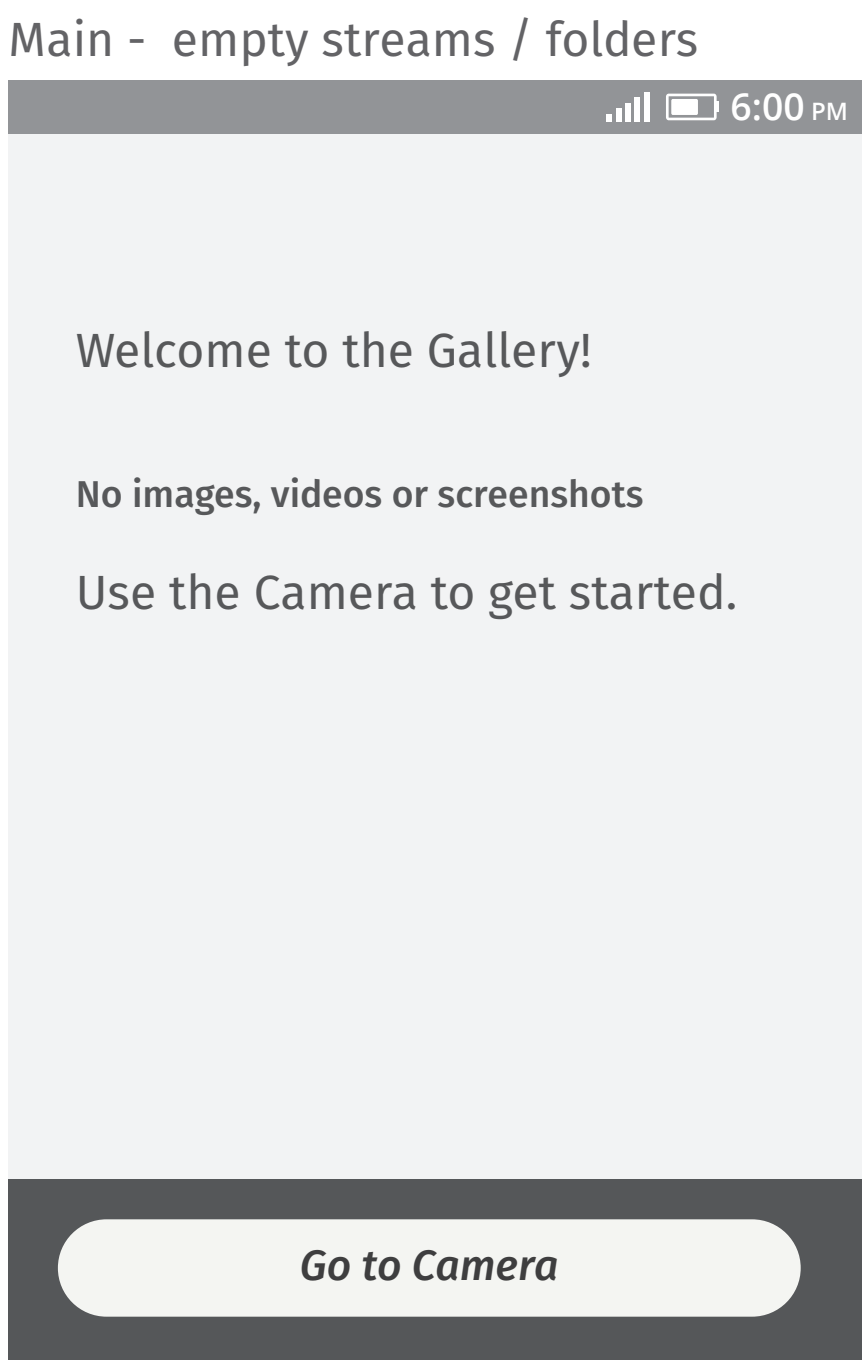
# Gallery Home - Details



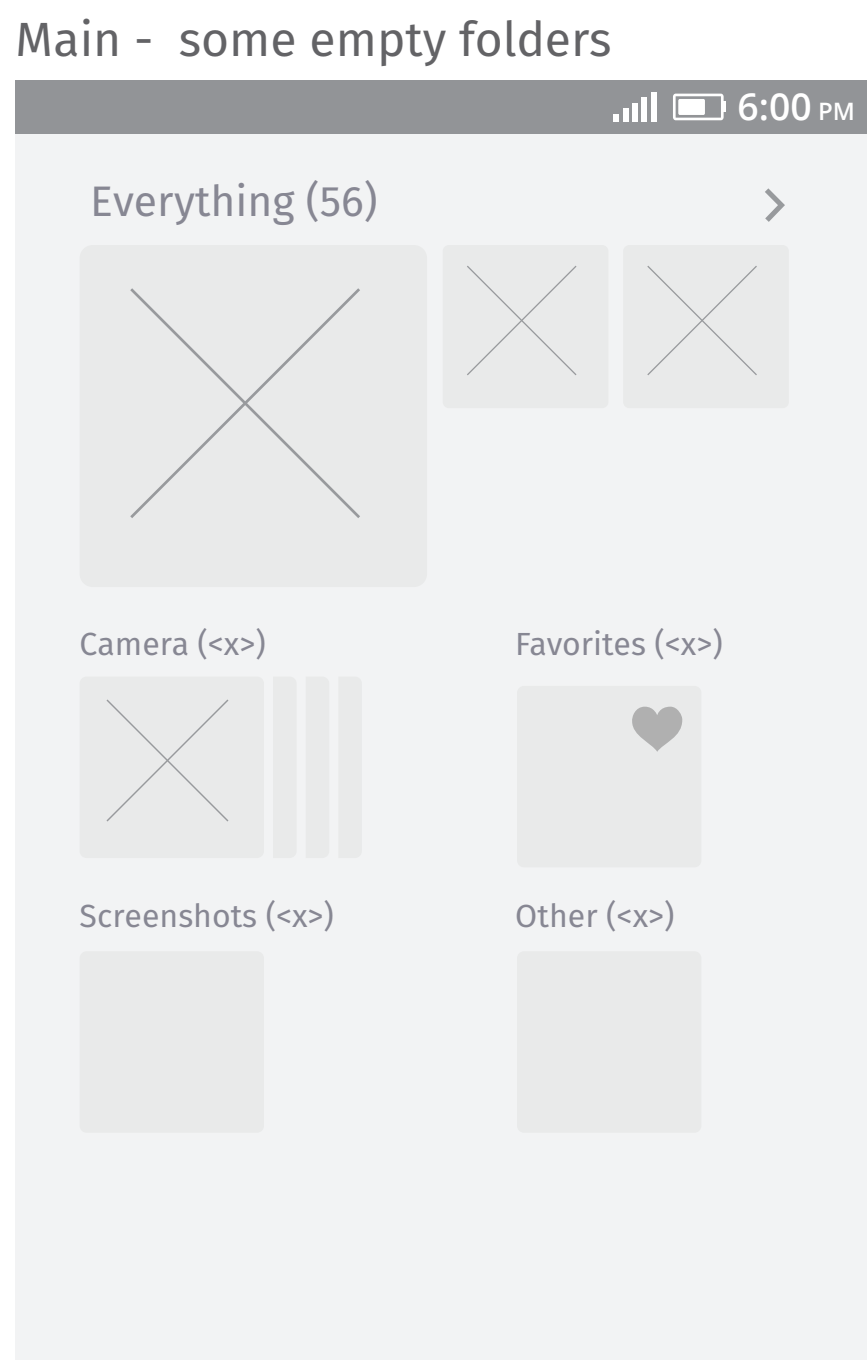
Everything folder display thumbnails of most recent images from all sources.

Folders show the most recent thumbnail of an image/video.

Some visual indicator of multiple images within a folder



If all folder are empty, user prompt to Camera app (functions similar to previous release).



When folders contain 0 items, visual treatment will indicate this state.

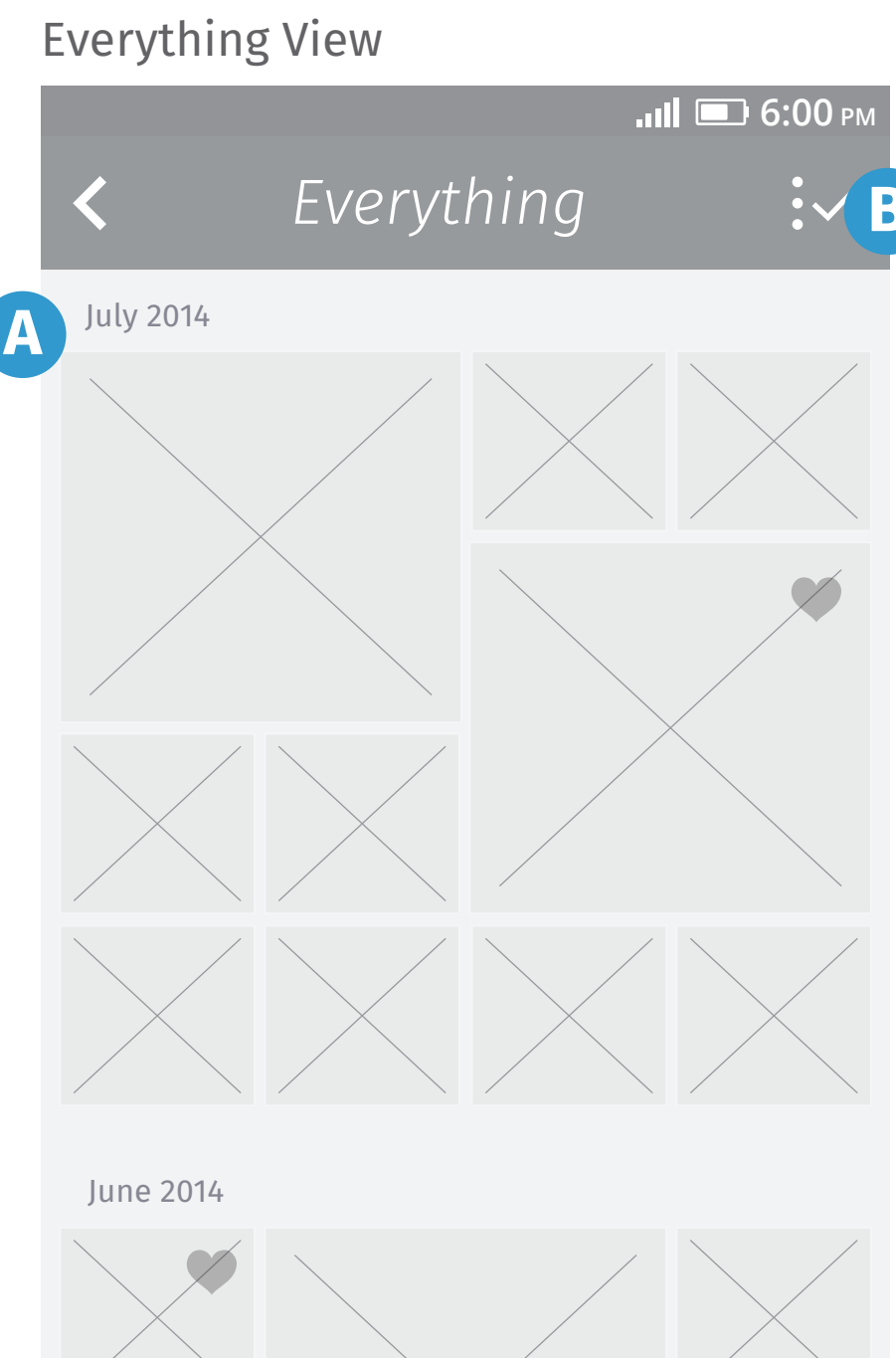
## Notes

- A Stream**  
Show the most recent x items. Tapping on a thumbnail will open the item. Tapping on the “more” will go to a full screen view of all items.

Note: for favorites “recent” is defined by time-stamp not when item was favorited.

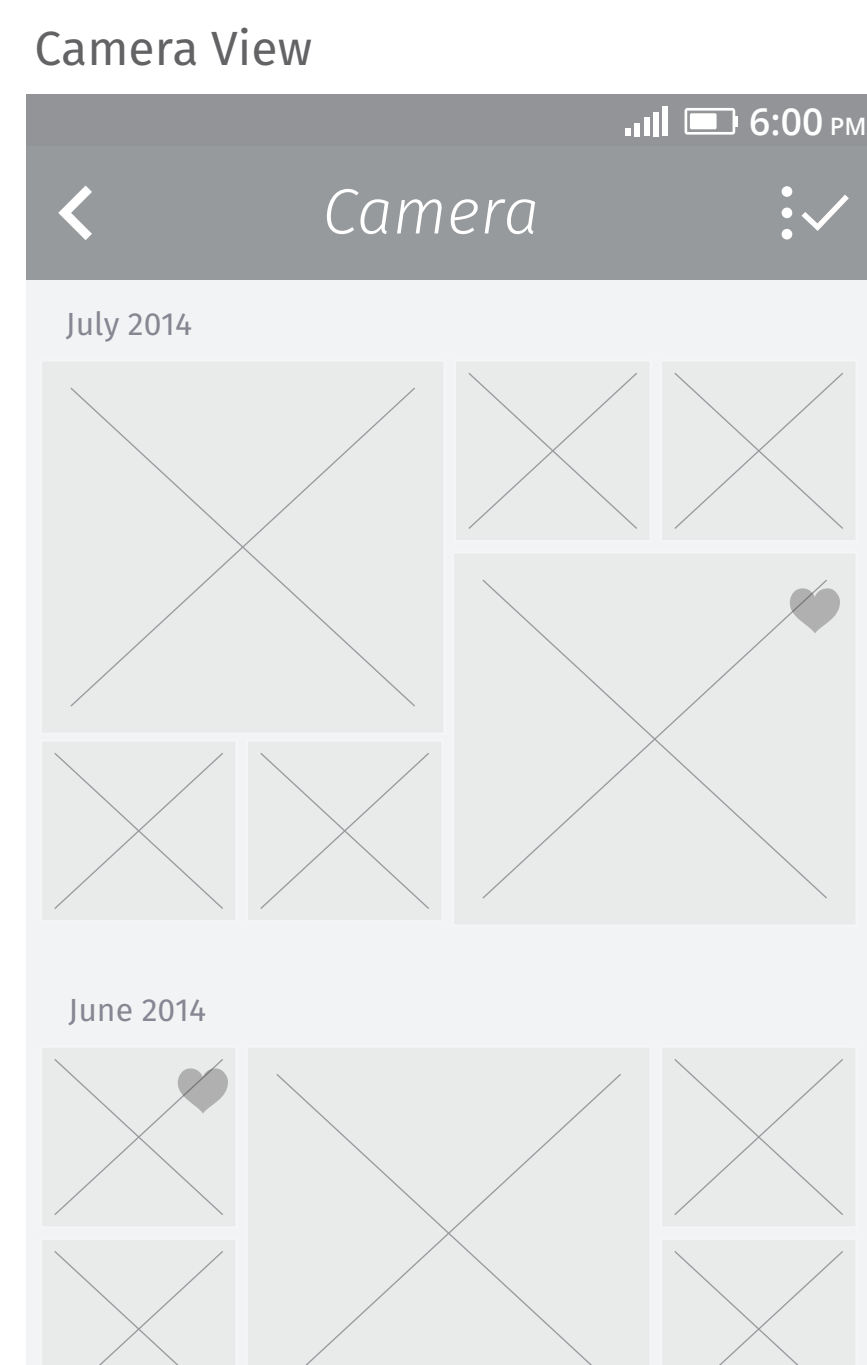
- B Folder**  
Show a thumbnail of the most recent item. Tapping will open a full screen view showing all items.

## Gallery Sub-View - Details



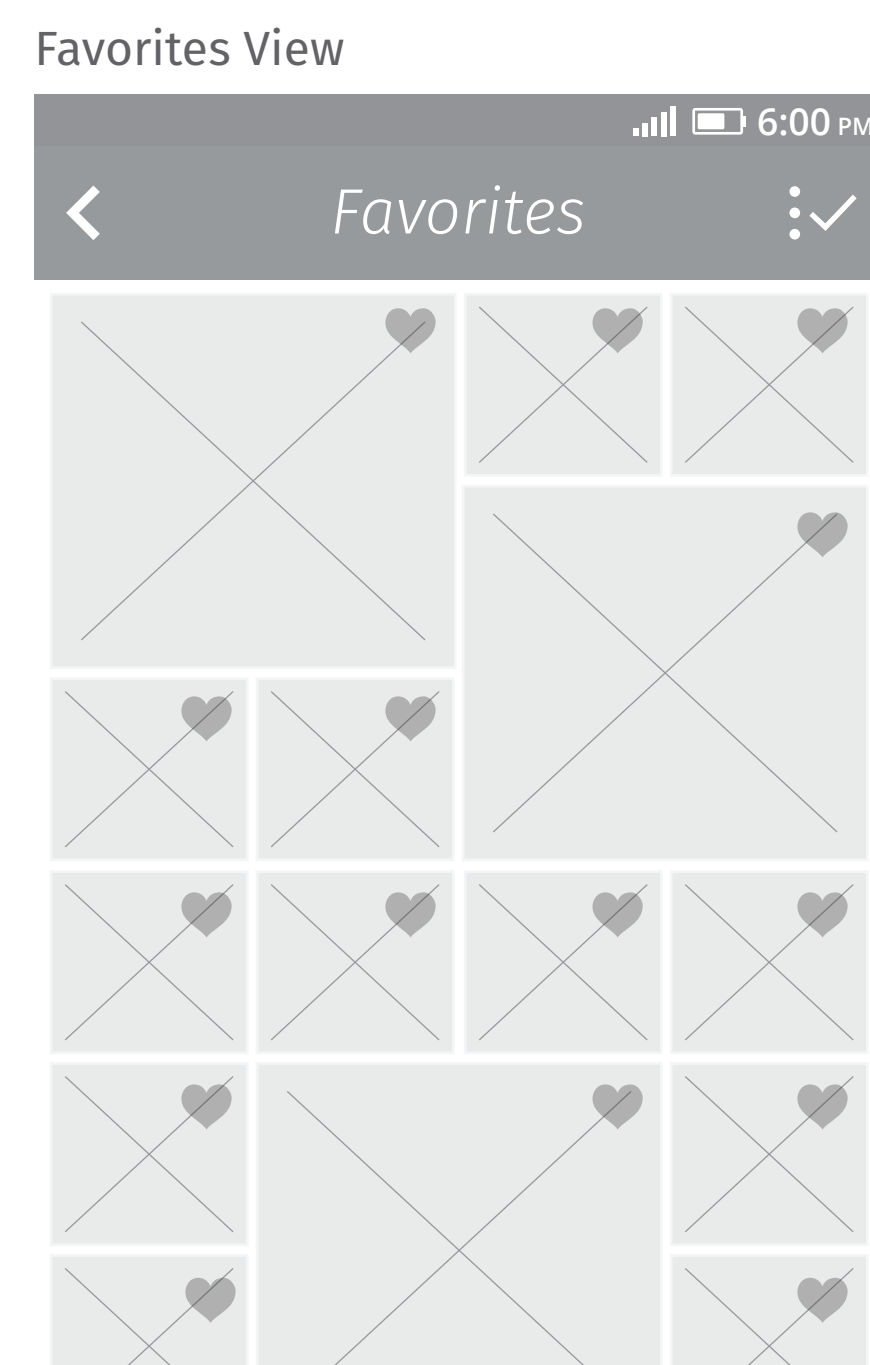
This shows all images in one spot regardless of source. This provides the ability to do mass operations, such as delete, without having to go into each other area.

Use month groupings like today's Gallery app.

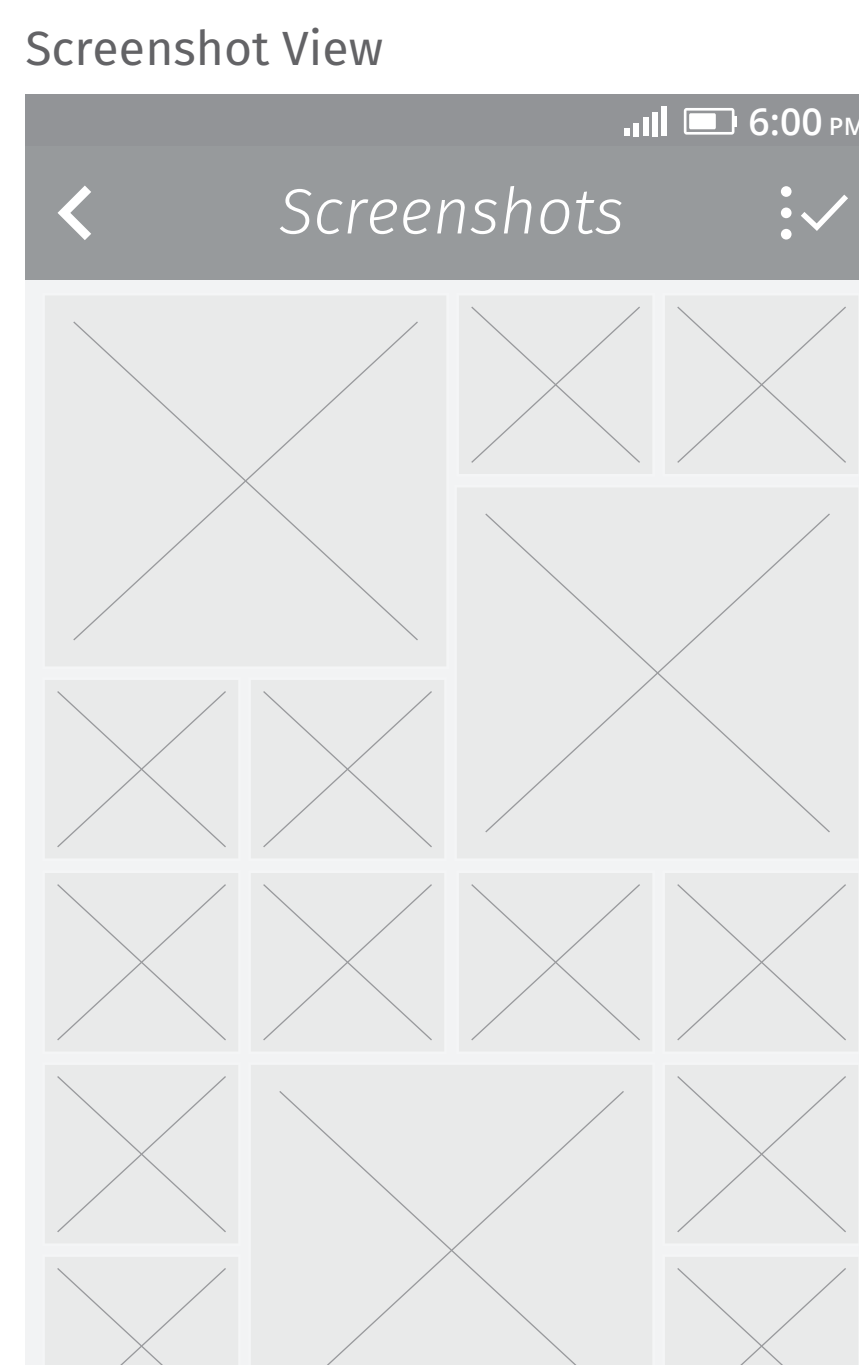


First phase is to use month groupings like today's Gallery app.

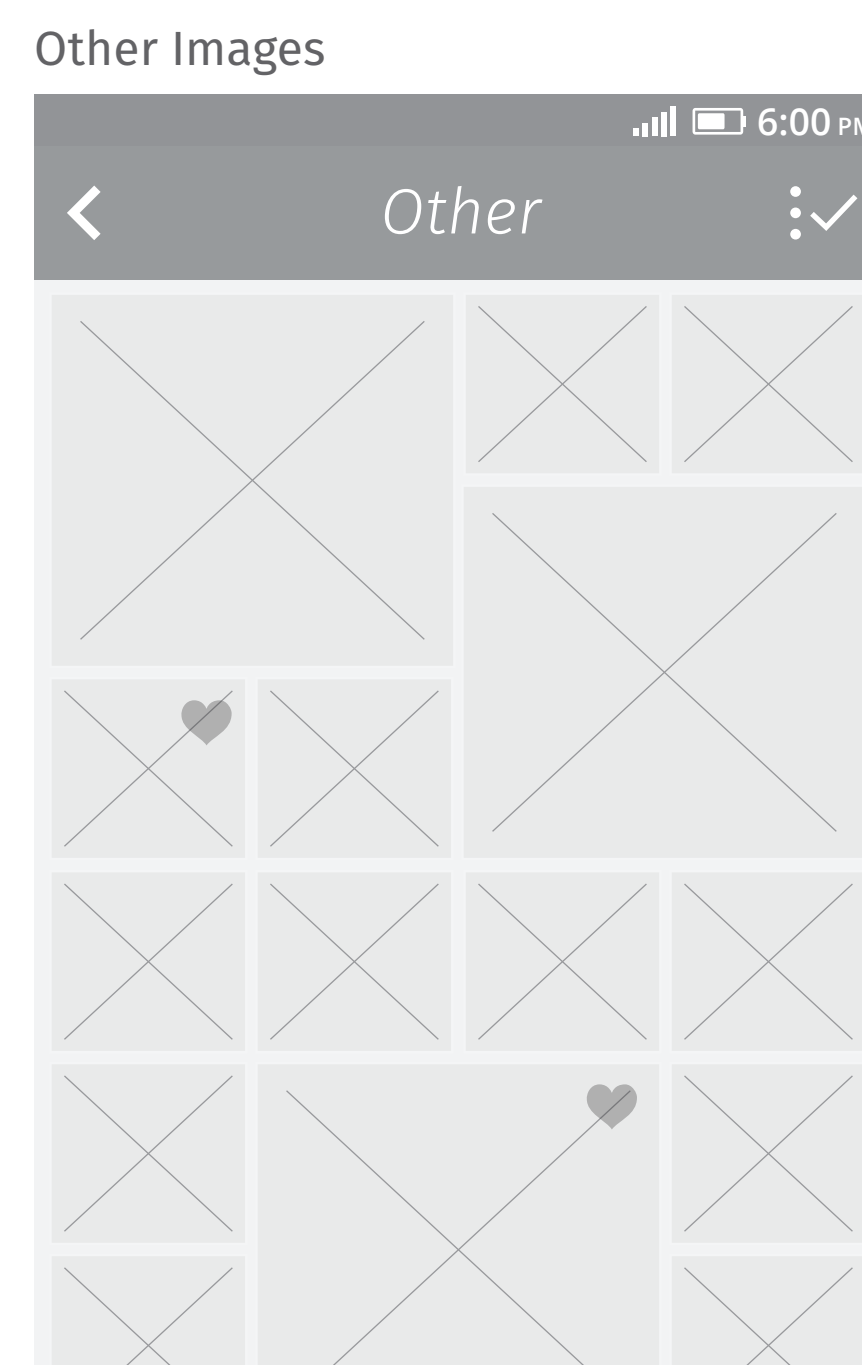
If there is time in 2.1, a more interesting timeline can be implemented.



Organization is according to timestamp  
not when it was favorited.



Shows all screenshots taken.



This contains all other images not mentioned above, such as saved images from SMS and email attachments, items from downloads, and other images saved to the sdCard.

This view is defaulted to a timestamp sort

## Notes

## All Views

These items are organized by timestamp and show the most recent items first. Tapping on an item will go to a full screen view.

## Grouping by Time: Month

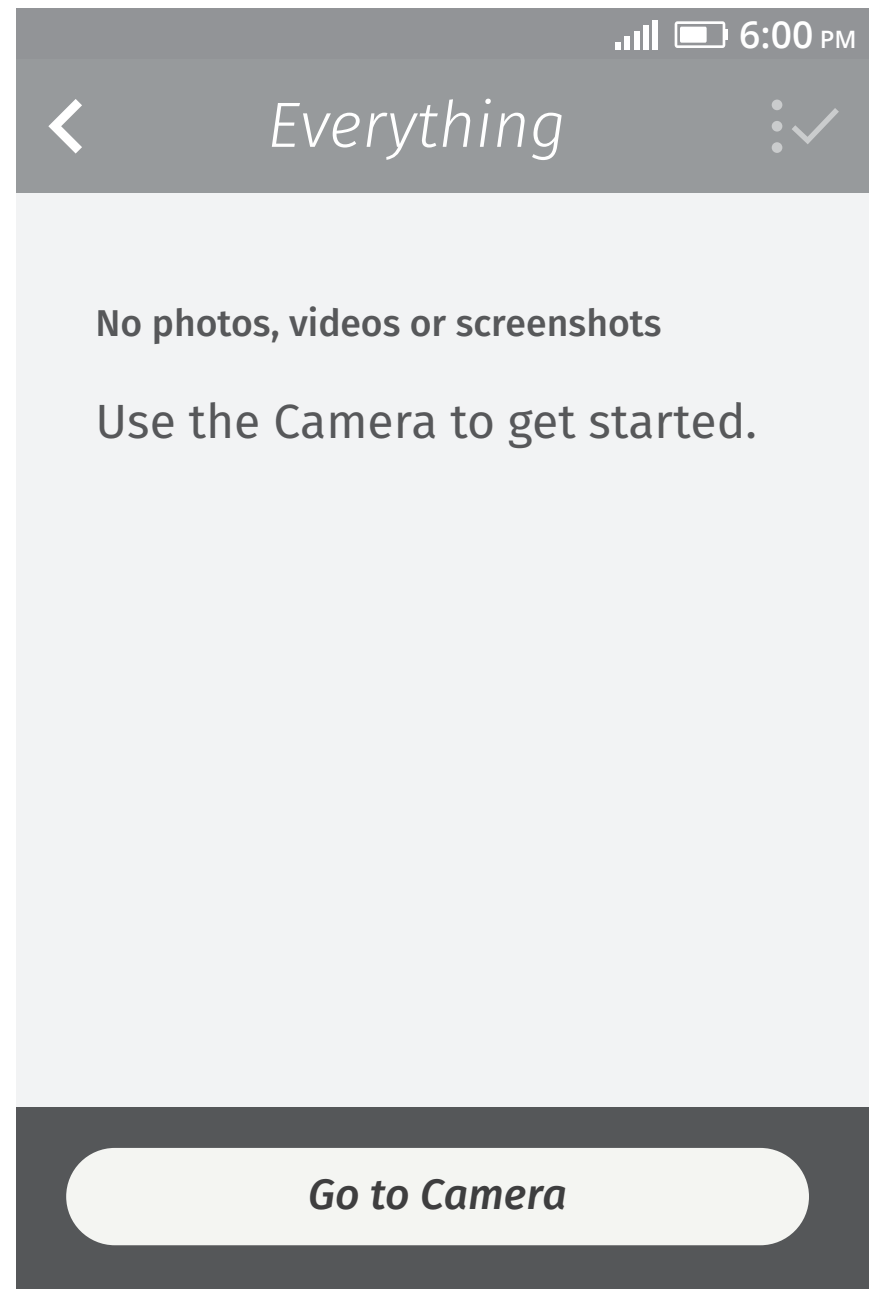
Show images by month, behaves as previous release

**Multi-Select**

Allows user to select multiple images/videos to take action on : Favorite/Unfavorite, Share or Delete. (See Multi-Select Detail)

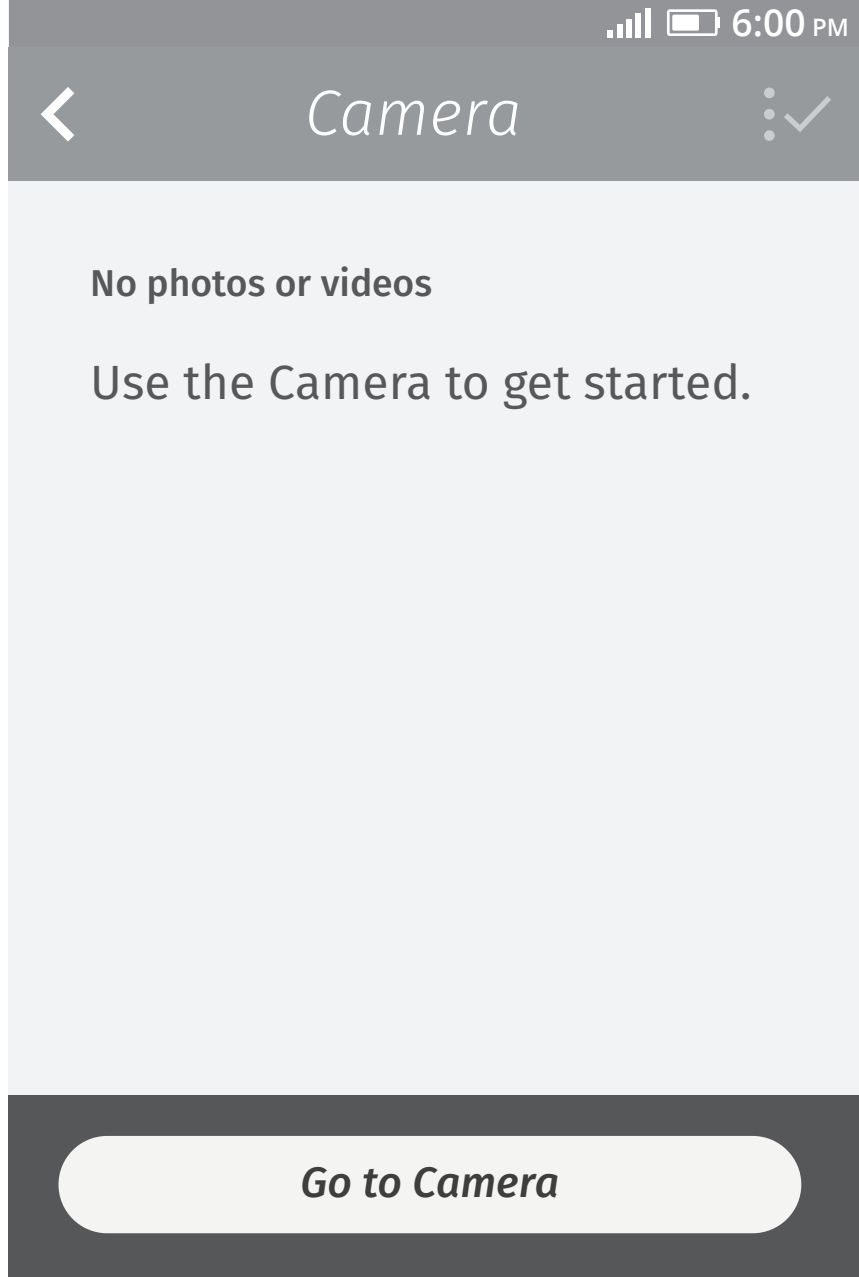
# Gallery Sub-View - Details

Everything - Empty



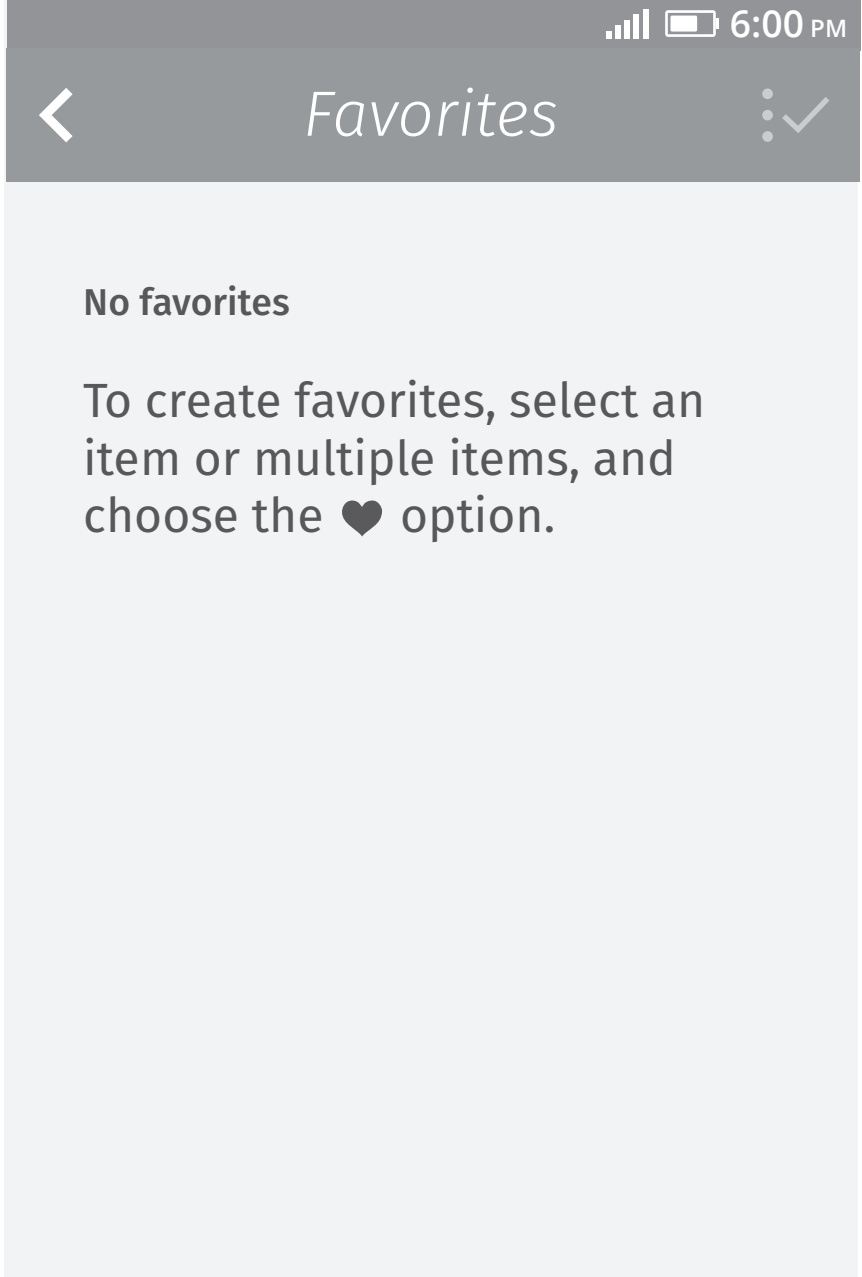
When Everything folder is empty display message and have link to Camera app

Camera View - Empty



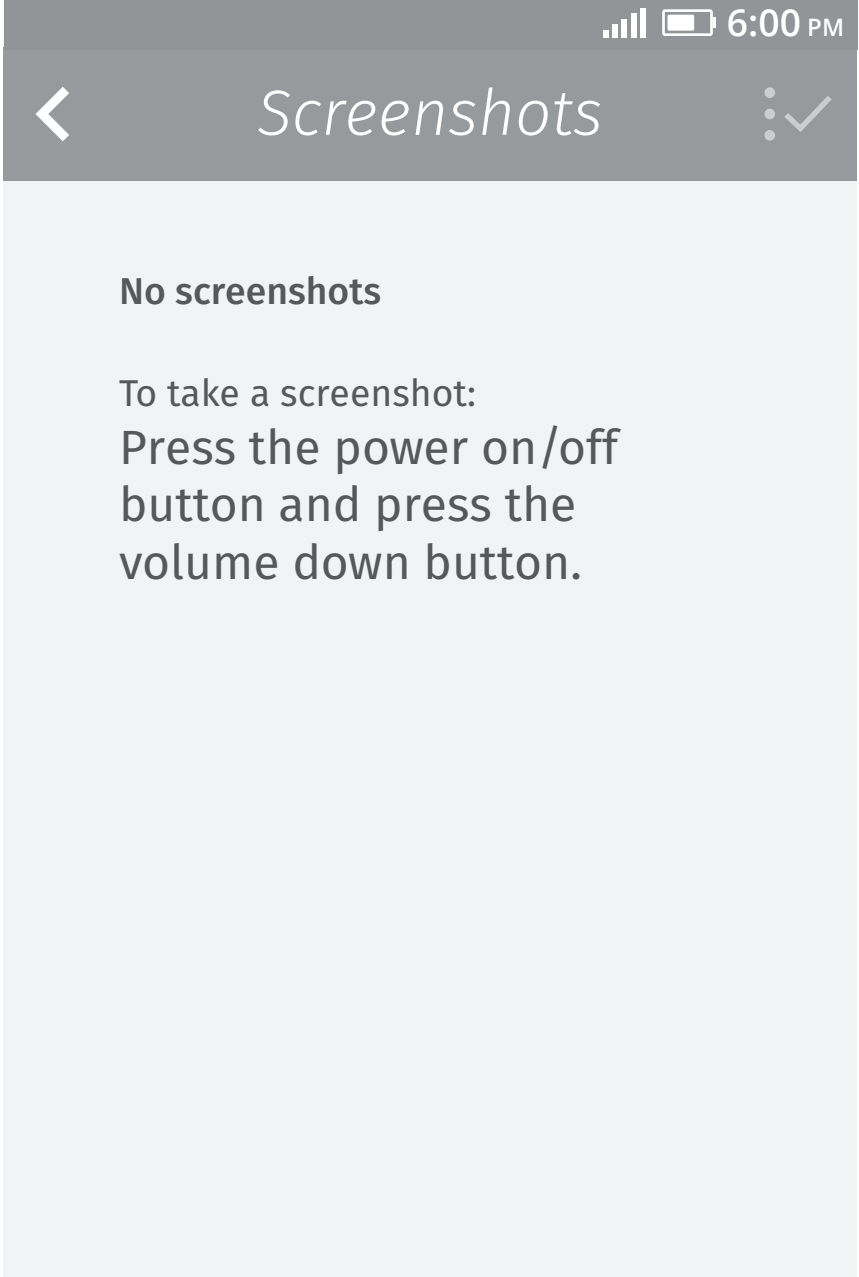
When Camera stream is empty display message and have link to Camera app

Favorites View - Empty



When Favorites stream is empty display a How-To message

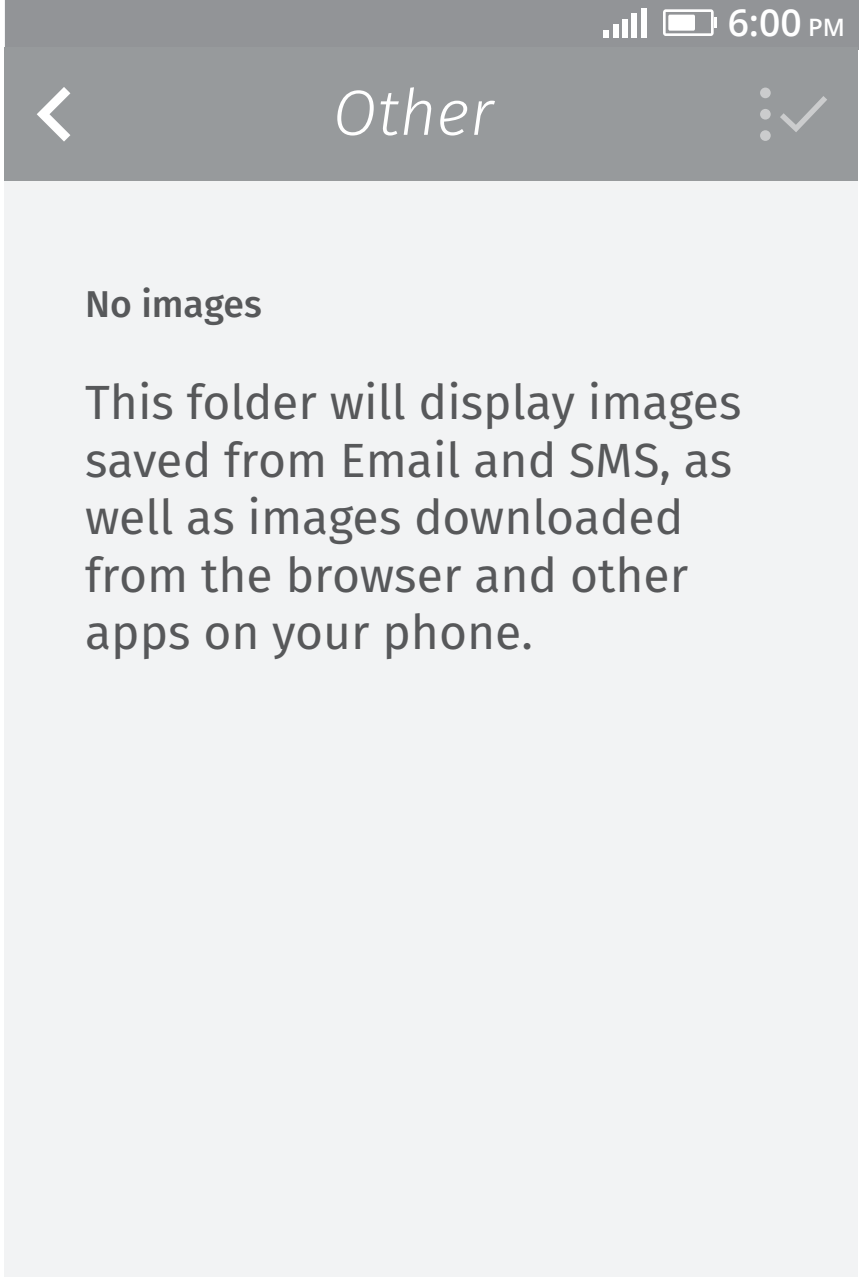
Screenshot View - Empty



When Screenshots folder is empty, display How-To message.

Note: Instructions will need to be customized for different device requirements

Other Images - Empty



When Other Images folder is empty display message to explain the contents of this folders

## Notes

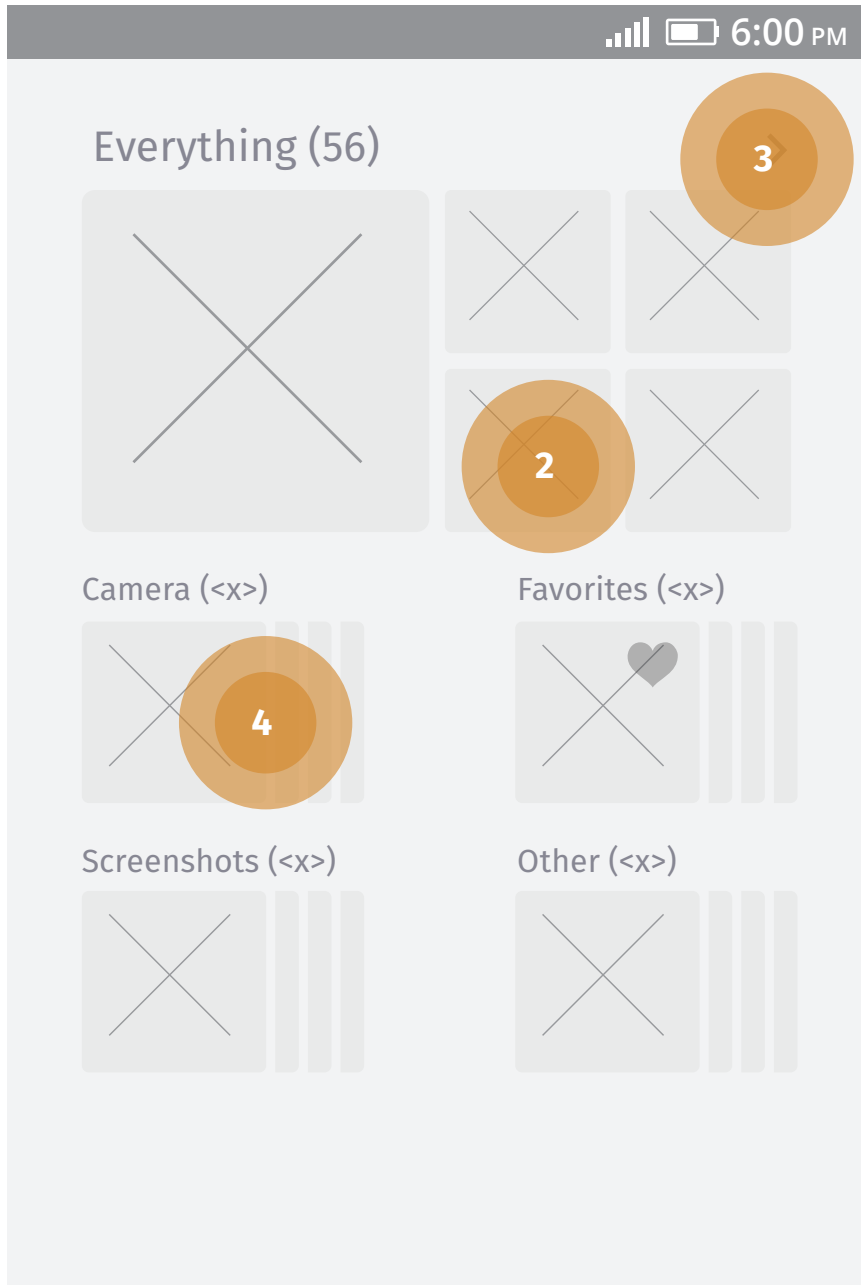
### All Views

Provide a helpful message to the user that the “stream/folder” is empty and contains no items. Message should include helpful text to create an understanding of the intended purpose of each “stream/folder”, as well as provide information, when applicable, to take action (ex: launch Camera app or learn Hot-To take a screenshot).

### Strings to be finalized

# Navigating Between Views - Flow

1. Main Gallery View

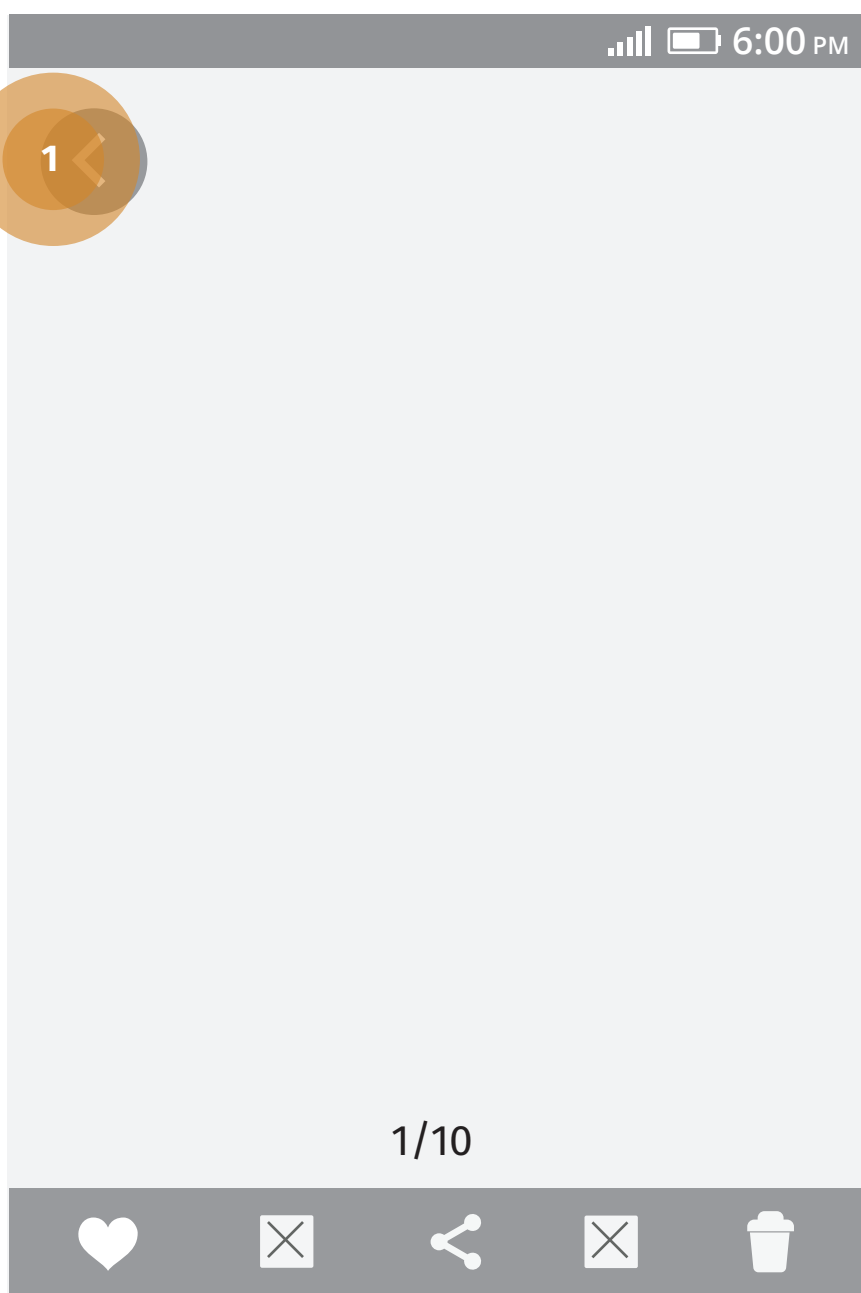


Tapping an individual image in the Everything stream takes user to 2. Single Item View

Tapping “more” (or header/») takes user to 3. Everything Sub View

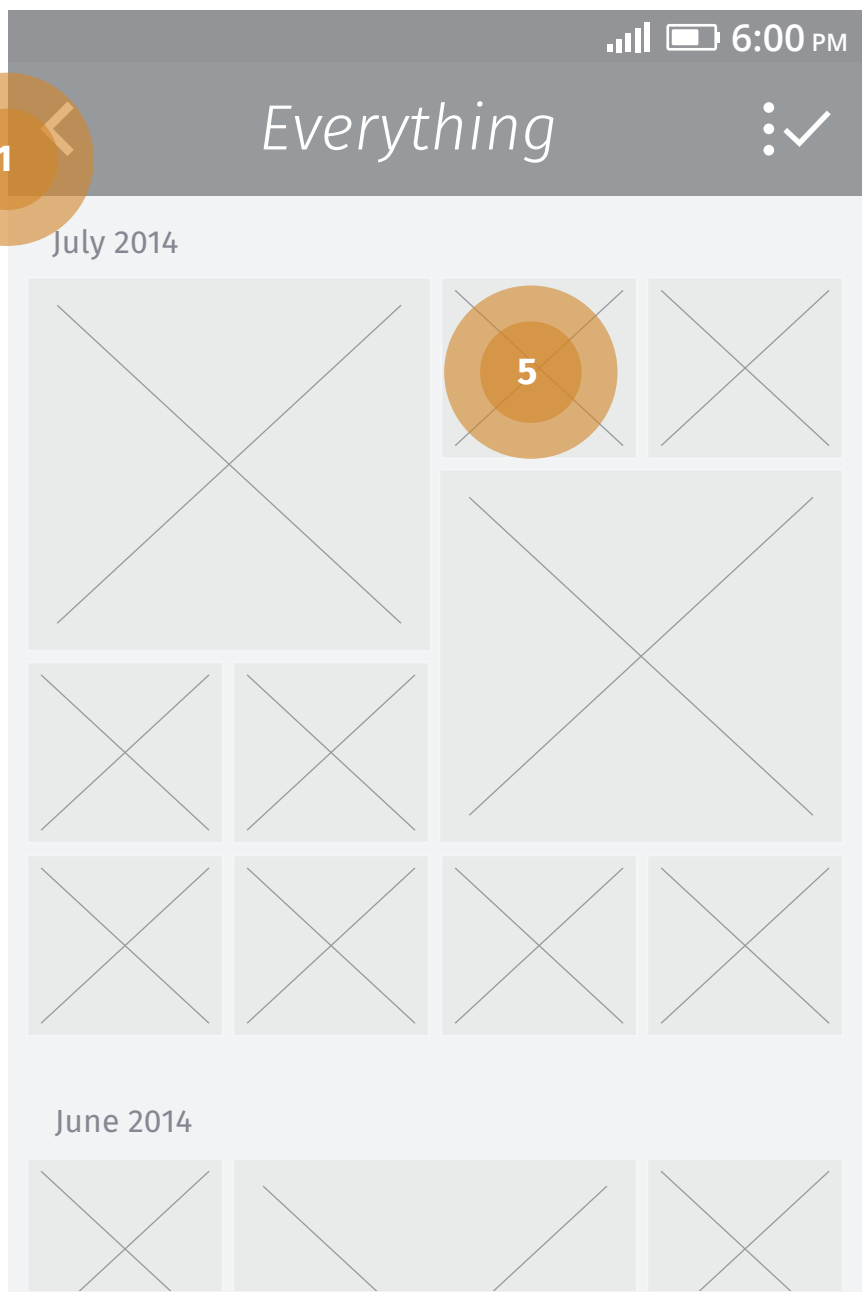
*Note: Visual design to consider edge gesture interference for current spec'd “more” chevron*

2. Single Item View



Tapping the Back arrow returns to 1. Main Gallery View

3. Everything: Sub View

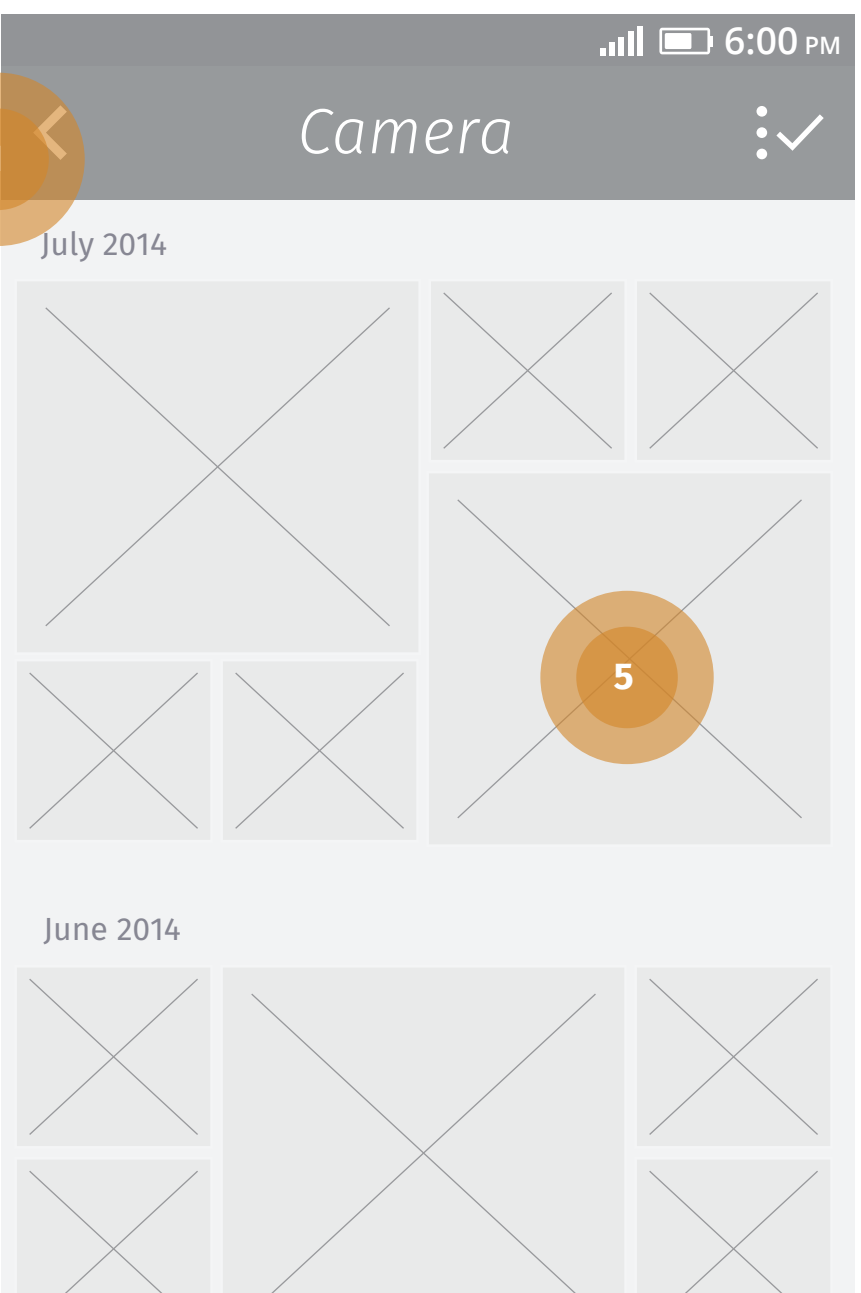


Applies to all folder views

Tapping back arrow returns user to 1. Main Gallery View

Tapping a single image takes user 4. Single Image View

4. Camera Sub View

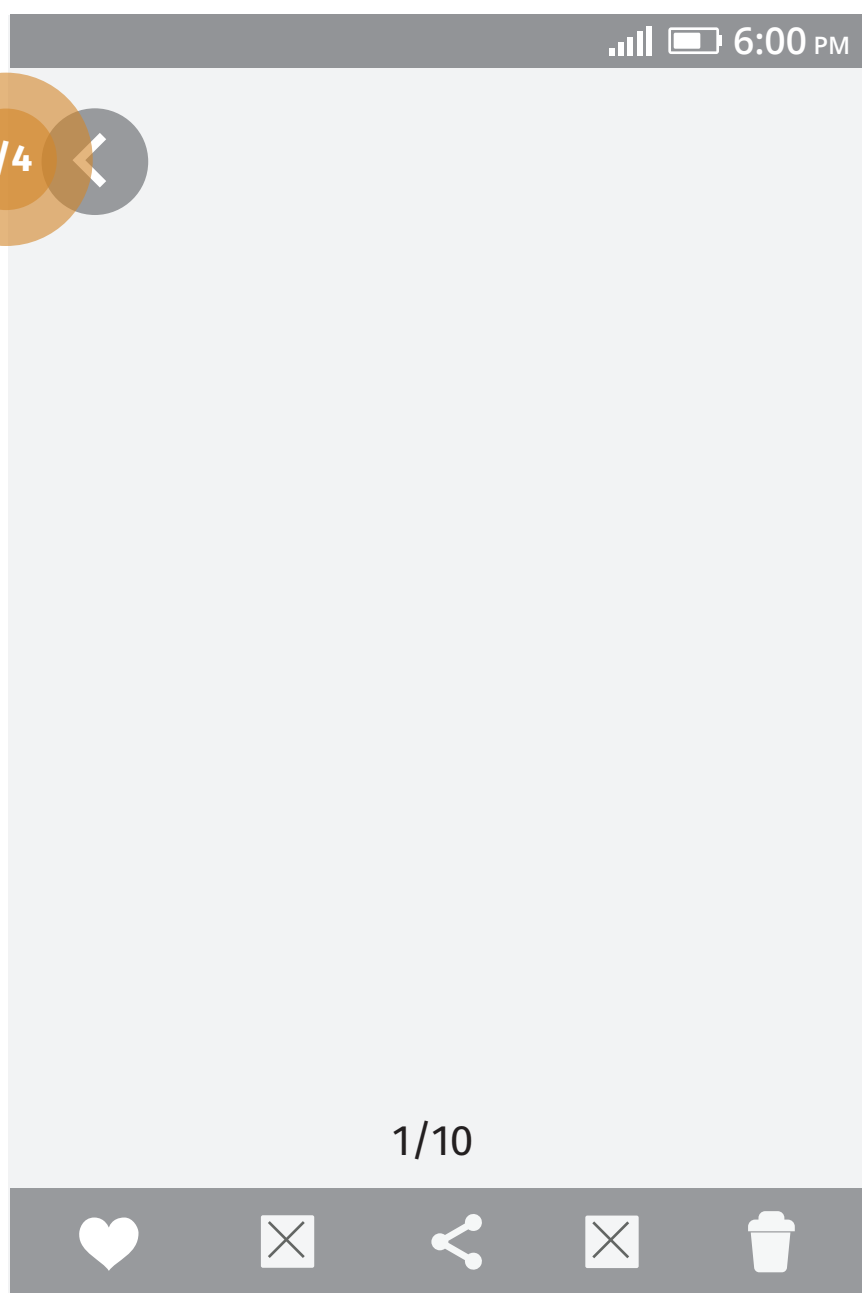


Applies to all folder views

Tapping back arrow returns user to 1. Main Gallery View

Tapping a single image takes user 4. Single Image View

5. Single Item View



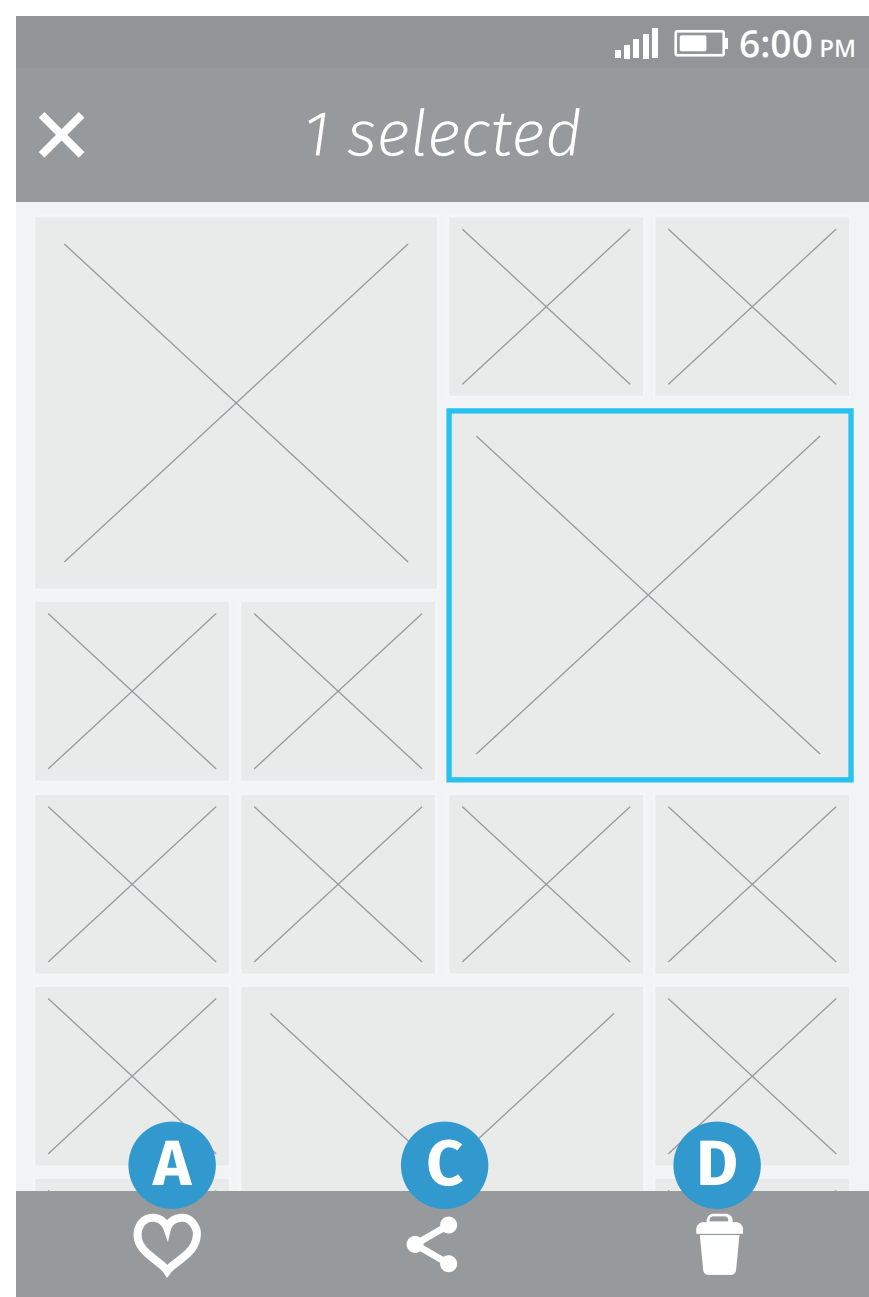
Tapping the Back arrow takes user to Sub View





# Multi-Select - Details

Multi-Select

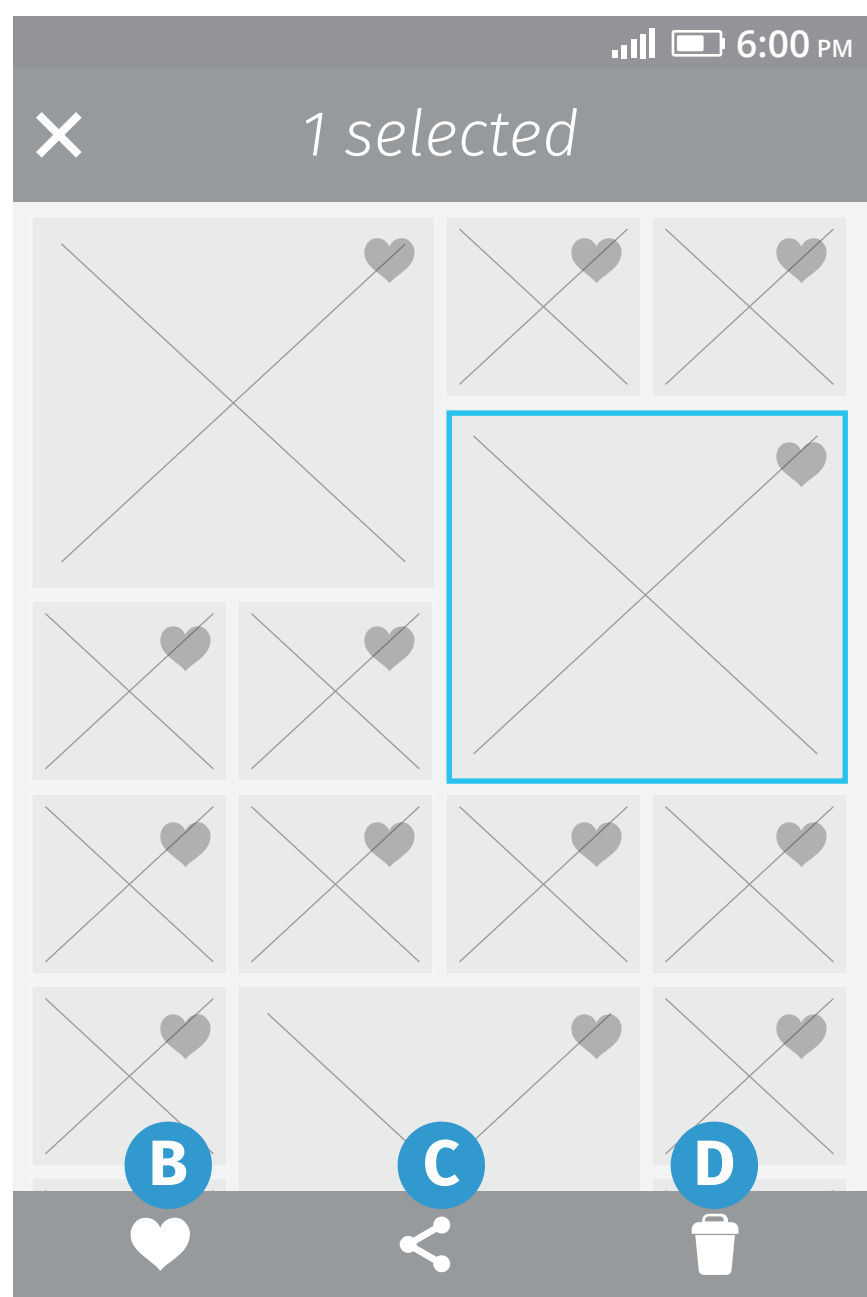


Applicable to all views but Favorites.

All toolbar icons are disabled (grayed out) until 1 item is selected.

Note: icon order in toolbar reflects the same order in the Single Image toolbar

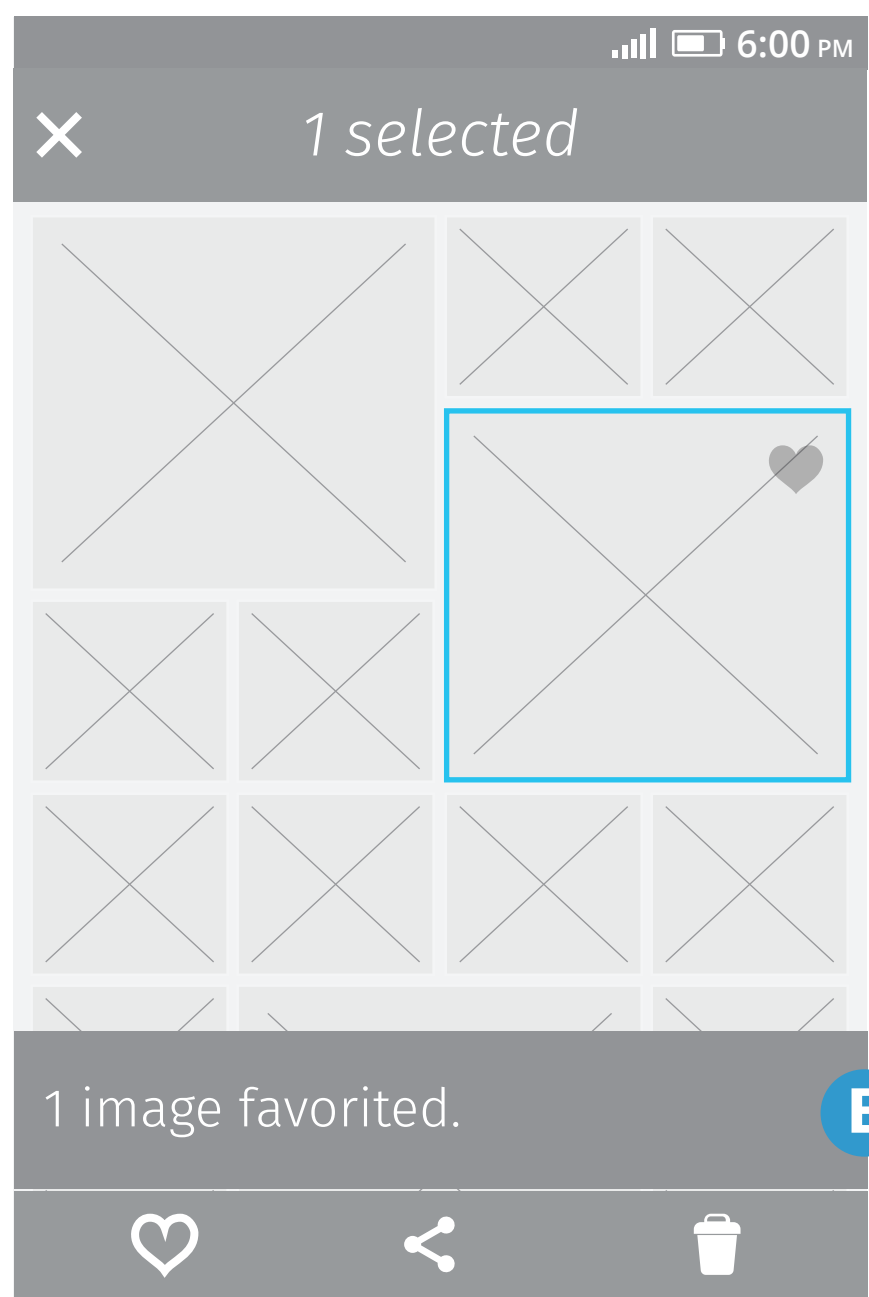
Favorites - Multi-Select



Only applicable to Favorites view.

All toolbar icons are disabled (grayed out) until 1 item is selected.

Confirmation Banner

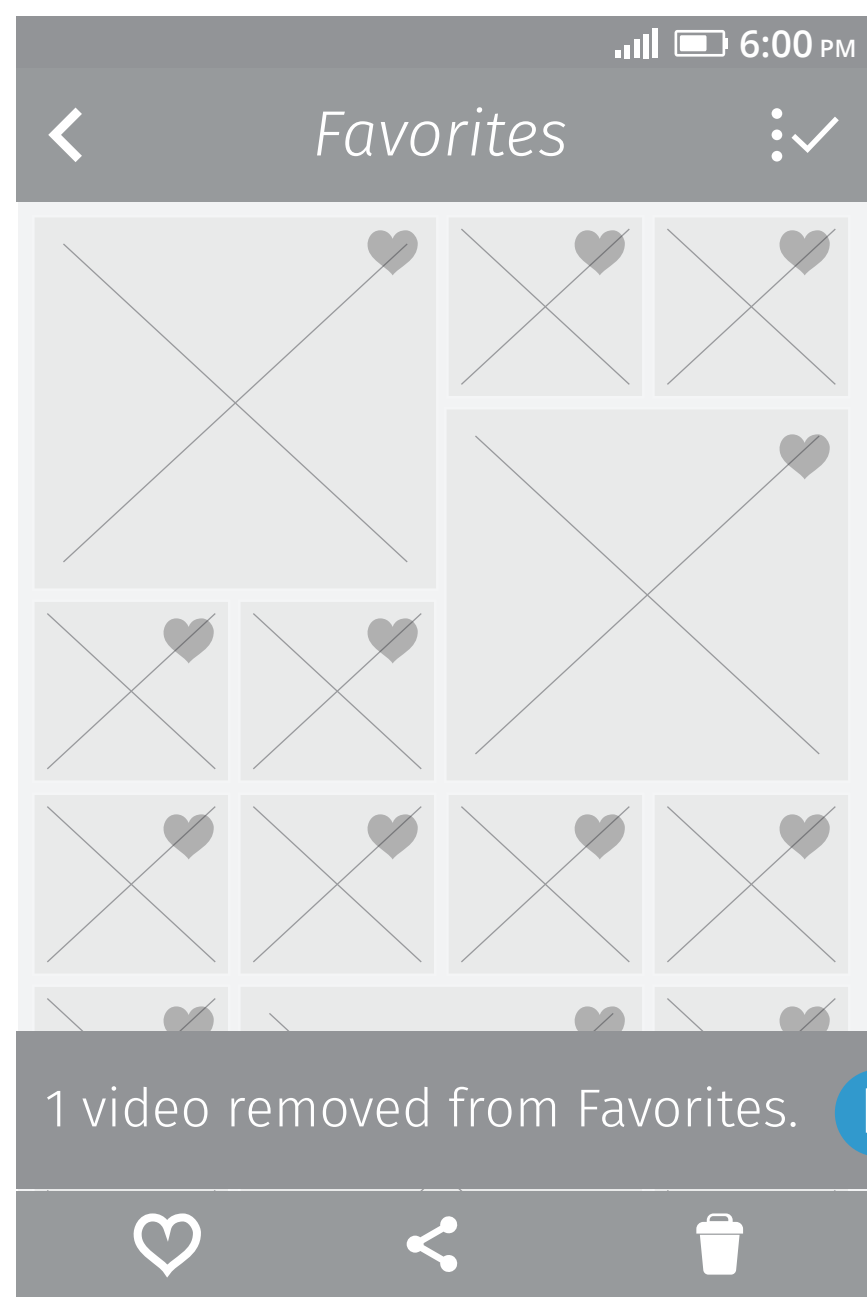


Strings -  
**1 image favorited.**  
(we know it's an image file type)

**1 video favorited.**  
(we know it's a video file type)

**2 items favorited.**  
(we know 2 different file types are selected)

Confirmation Banner



Strings -  
**1 image removed from Favorites.**  
(we know it's an image file type)

**1 video removed from Favorites.**  
(we know it's a video file type)

**2 items removed from Favorites.**  
(we know 2 different file types are selected)

## Notes

**A Favorite**  
From any sub-view (except favorite), the user can bulk favorite items.

If an item is already favorited, it is not added to the favorites view again, but a banner is still shown.

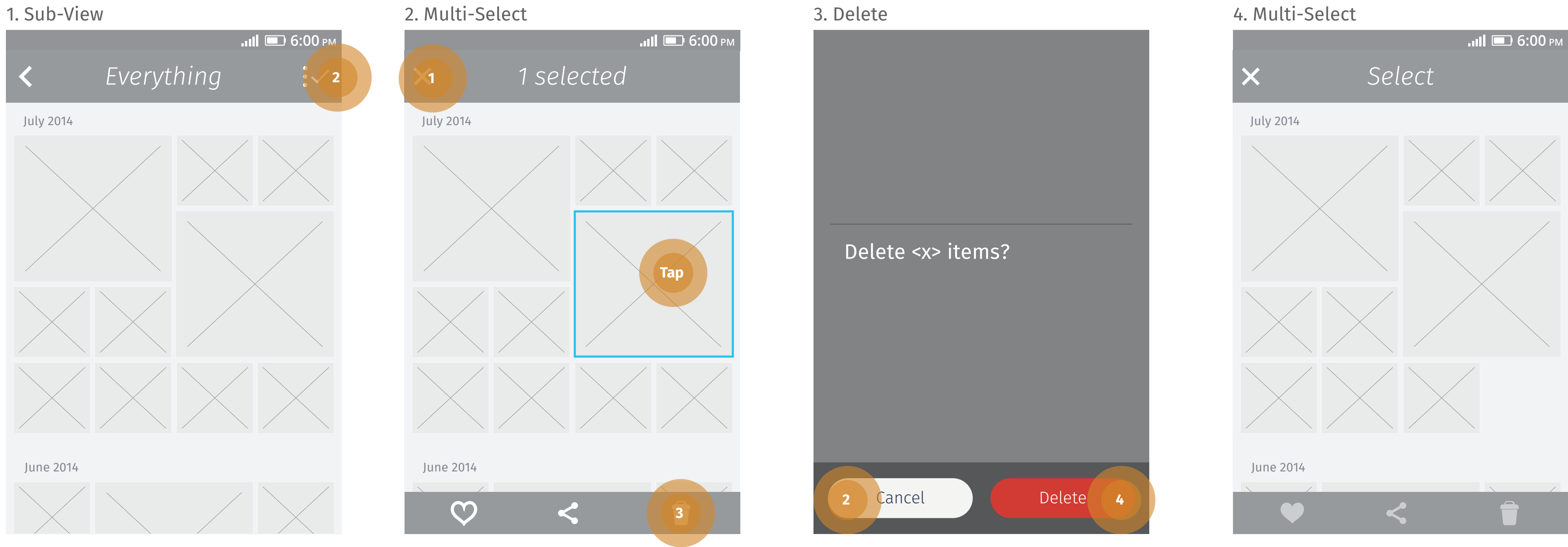
**B Unfavorite**  
Within the favorite view, the user can bulk unfavorite items.

**C Share**  
Functionality behaves as previous releases - show action menu with options before continuing to share activity.

**D Delete**  
Functionality behaves as previous releases - first present a confirmation before finishing the action.

**E Banner**  
After favoriting or unfavoriting an item, show a confirmation banner. Confirmation banners reinforce user choice of favoriting in cases where items are selected, but not in view (due to user scrolling).

# Multi-Delete - Flow



This applies to all sub-views.

Tapping allows the user to select multiple items and take an action.

Tapping on items selects/deselects.

Tapping cancel exits with no further action taken.

Tapping delete presents a confirmation.

Toolbar icons are grayed out until 1 item has been selected.

Tapping cancel exits multi-select mode with no further action taken.

Tapping delete, deletes the selected items.

As the system can detect file type. Strings for delete options:

If multiple photos are to be deleted:  
**Delete <x> photos?**

If multiple videos are to be deleted:  
**Delete <x> videos?**

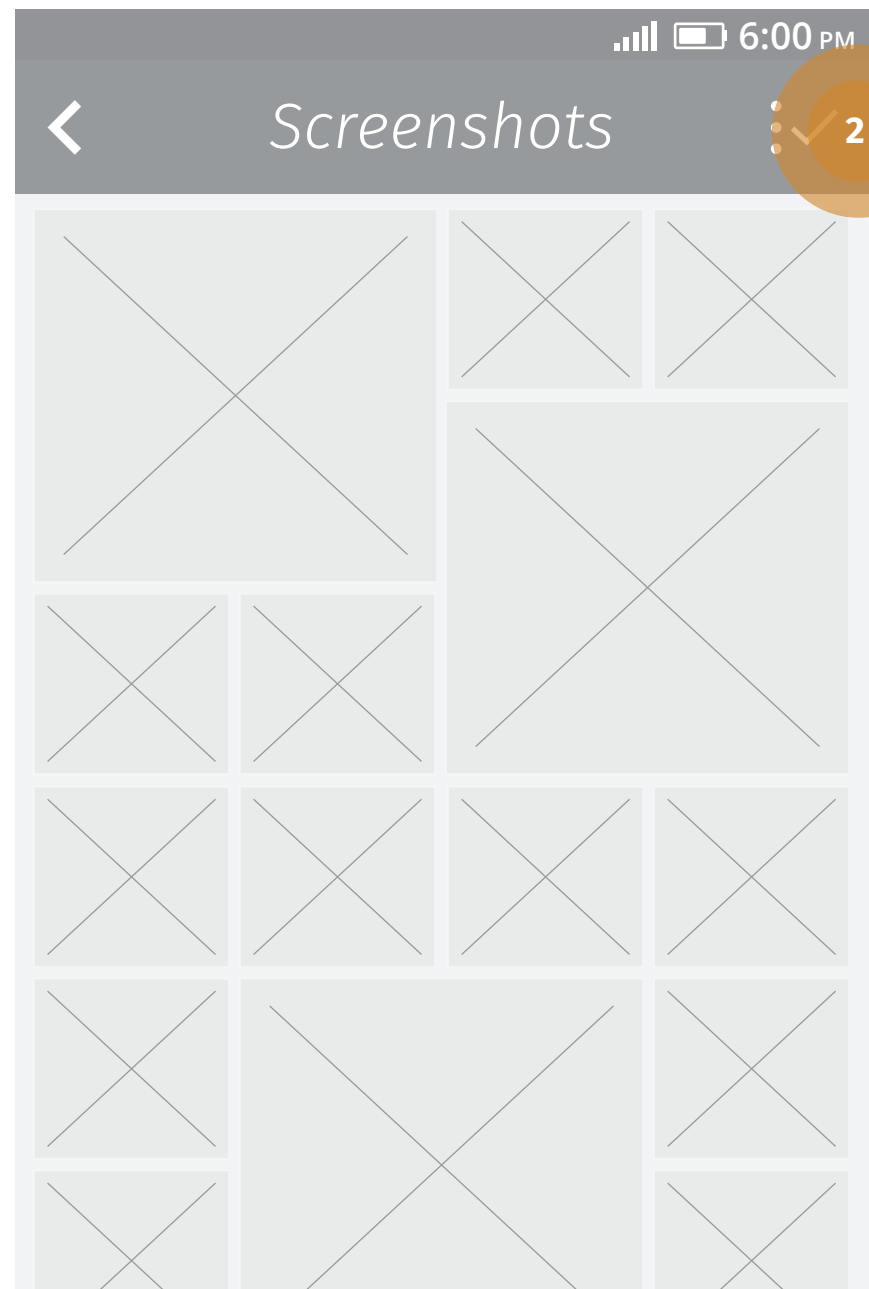
If mix of photos and videos are to be deleted:  
**Delete <x> items?**

Items have been removed from storage and the view is updated.

Remains in multi-select mode, with no selections and icons in toolbar are in disabled state.

# Multi-Share - Flow

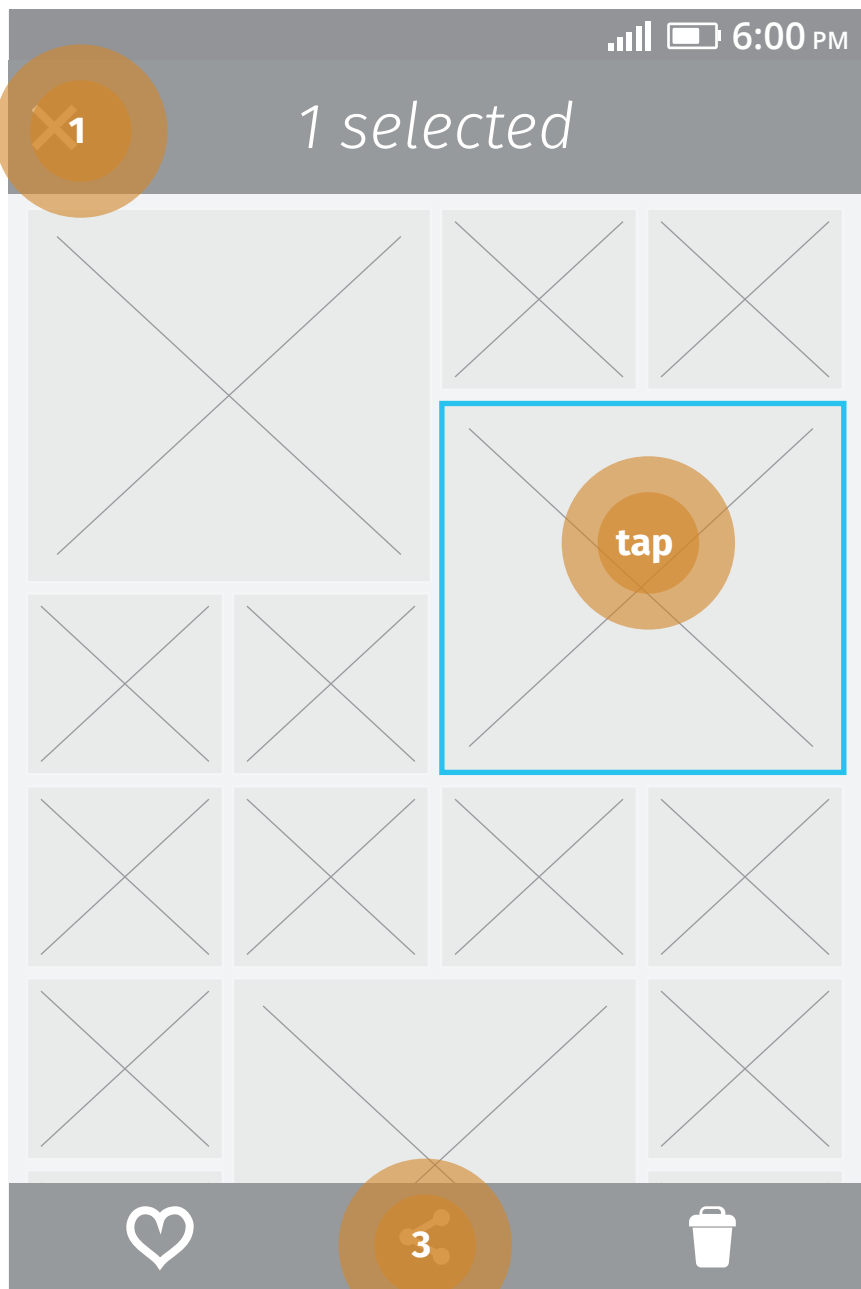
1. Sub-View



This applies to all sub-views.

Tapping allows the user to select multiple items and take an action.

2. Multi-Select



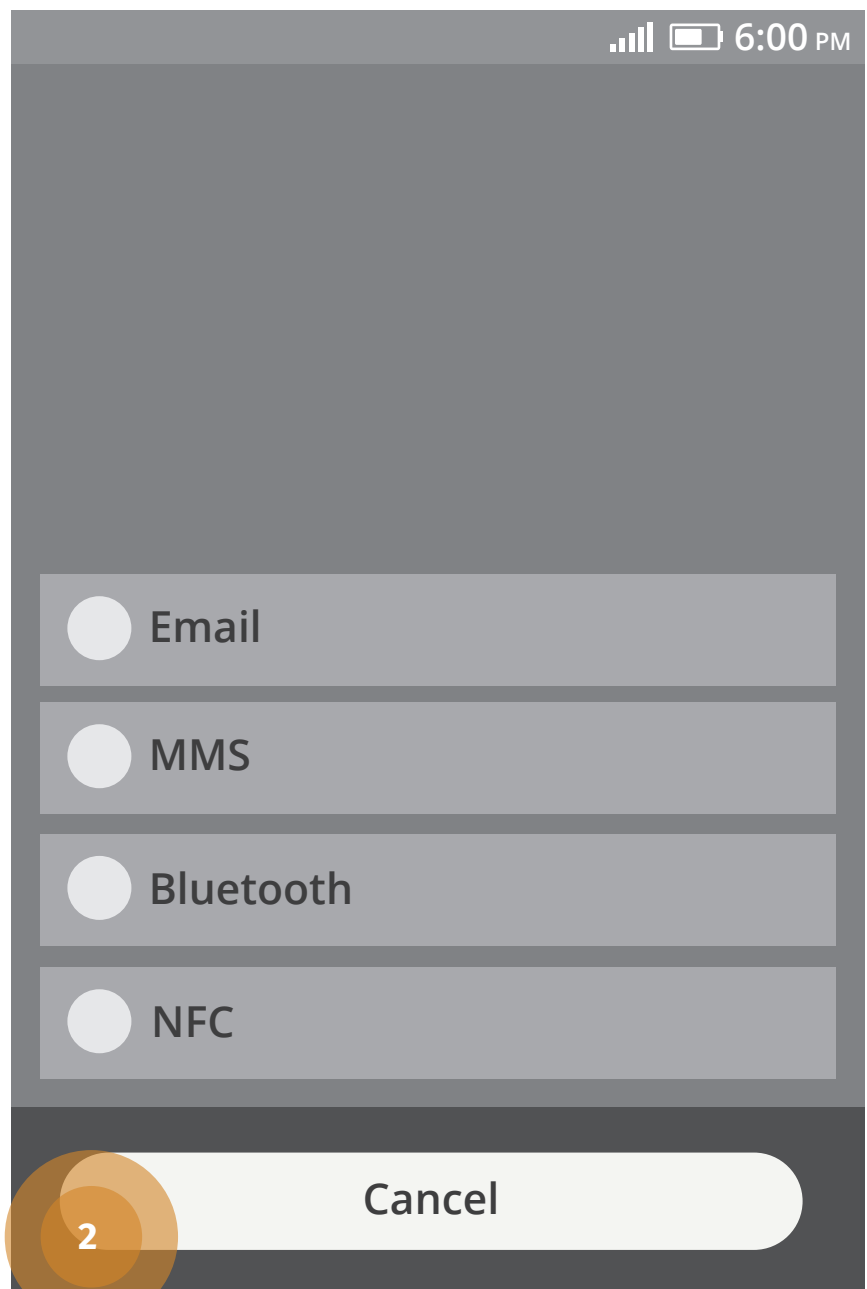
Tapping on items selects/deselects.

Tapping cancel exits with no further action taken.

Tapping share presents an action menu with possibilities.

Toolbar icons are grayed out until 1 item has been selected.

3. Share



Tapping an option goes into that specific share flow.

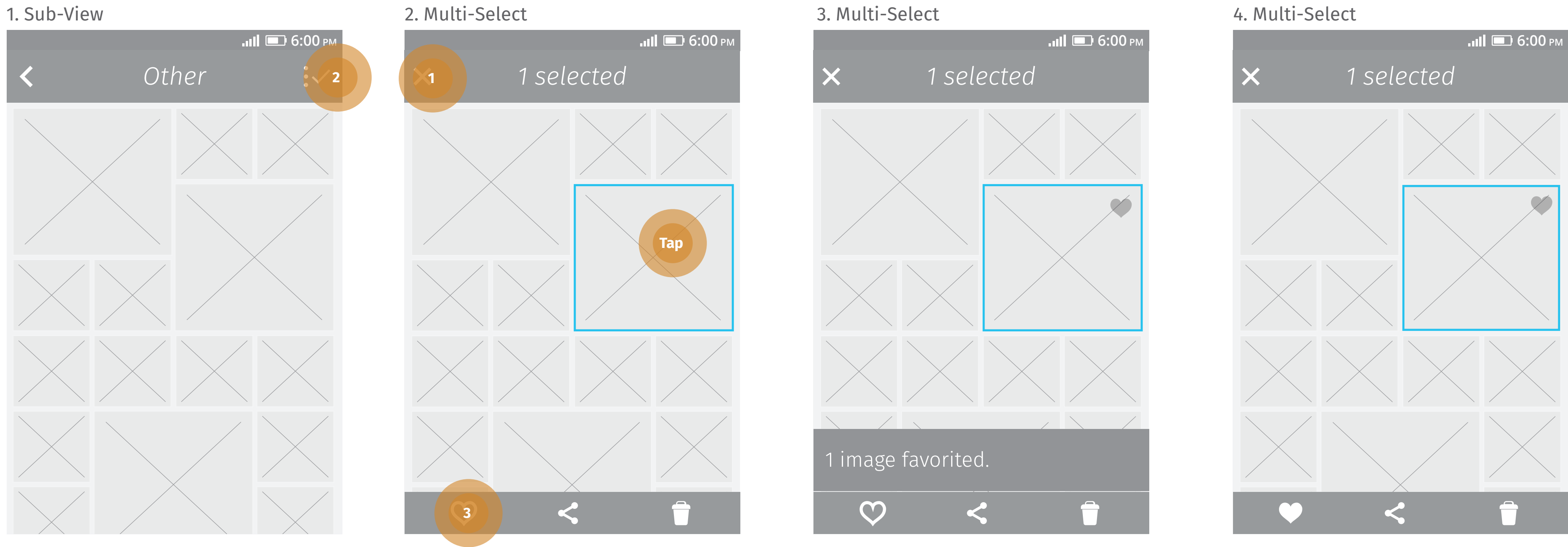
This UI is not app-controlled - options may differ depending what the user has installed.

## SHARE FLOW



Use current UI/flows for sharing options.

# Multi-Favorite - Flow



This applies to all sub-views.

Tapping allows the user to select multiple items and take an action.

Tapping on items selects/deselects.

Tapping cancel exits with no further action taken.

Tapping favorite adds the selected items to the favorites sub-view.

Toolbar icons are grayed out until 1 item has been selected.

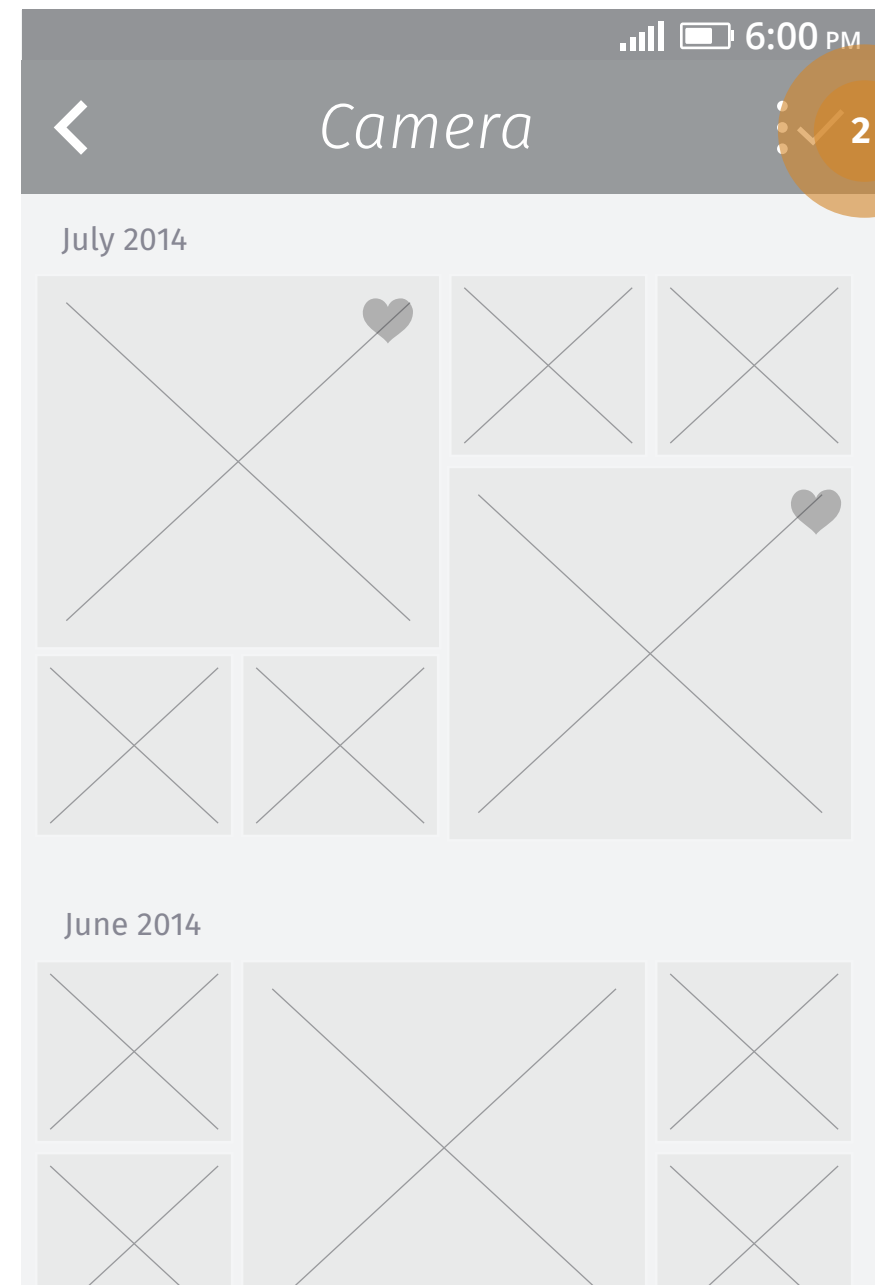
Selected items are favorited with a visual indicator. A confirmation banner is shown. Banner fades away in 3 seconds.

Items stay selected

Toolbar icon changes to Unfavorite state.

# Multi-Favorite - Mixed Selection - Flow

1. Sub-View

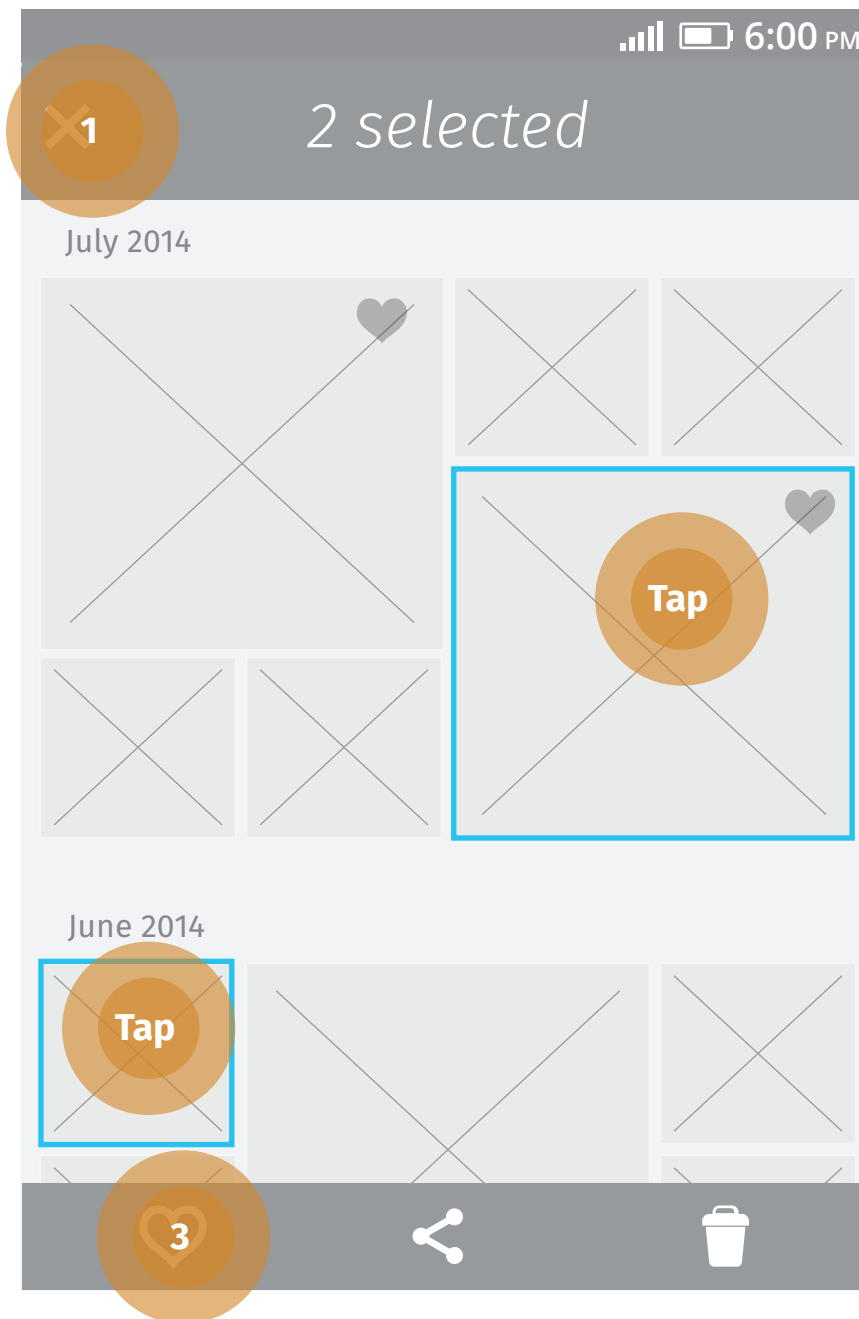


This applies to all sub-views (except Favorites Sub View)

Tapping allows the user to select multiple items and take an action.

Previously Favorited items have visual indicators

2. Multi-Select



Tapping on items selects/deselects.

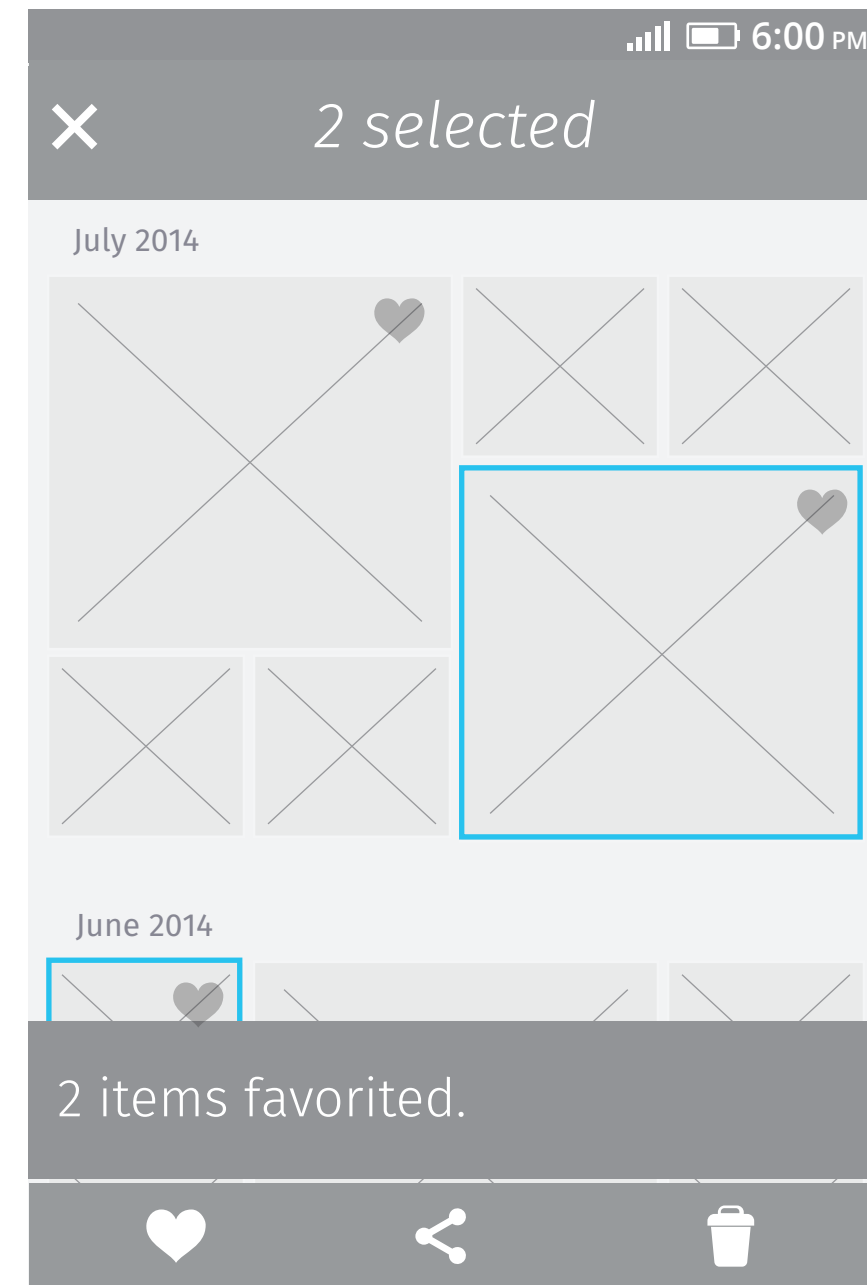
Tapping cancel exits with no further action taken.

If one or more of the selected images is NOT a favorite, the toolbar icon only allows favoriting selected images

Tapping favorite adds the selected items to the favorites sub-view.

Toolbar icons are grayed out until 1 item has been selected.

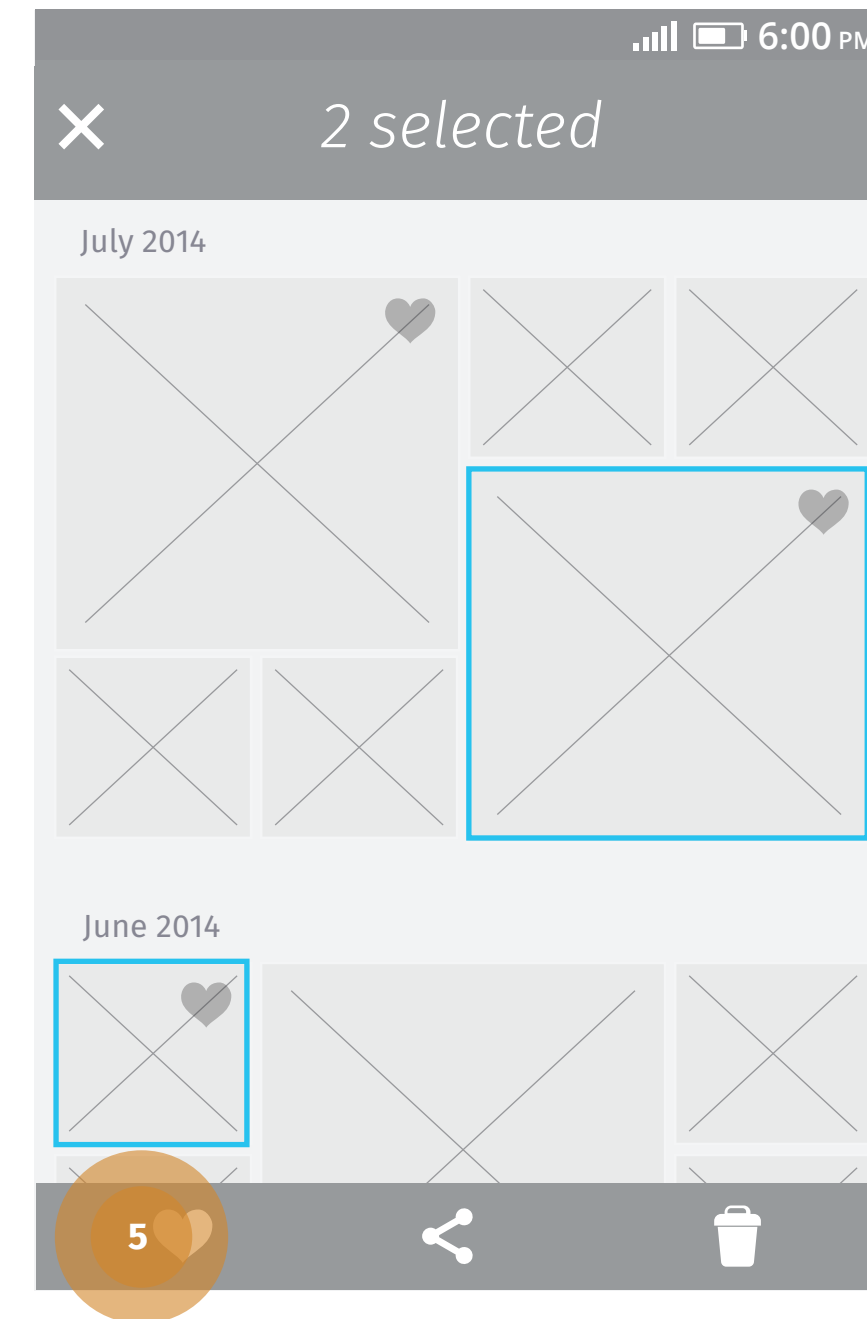
3. Multi-Select - Favorited



Selected items are favorited. a confirmation banner is shown. Banner fades away in 3 seconds.

Items remain selected

4. Multi-Select

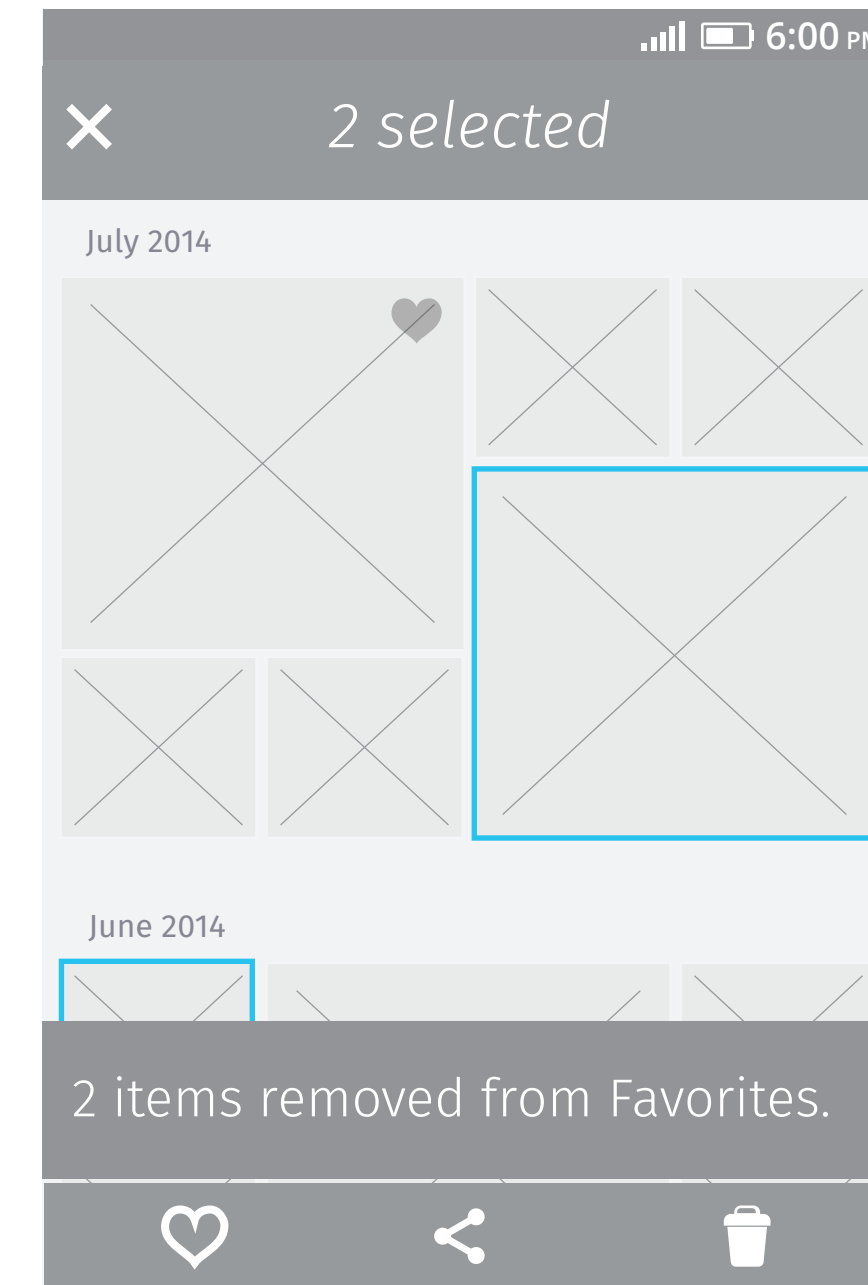


As the selected items are both "favorites" - toolbar icons changes to Unfavorite state

Items remain selected

Tapping on Unfavorite icon removes the selected items from the Favorites sub-view

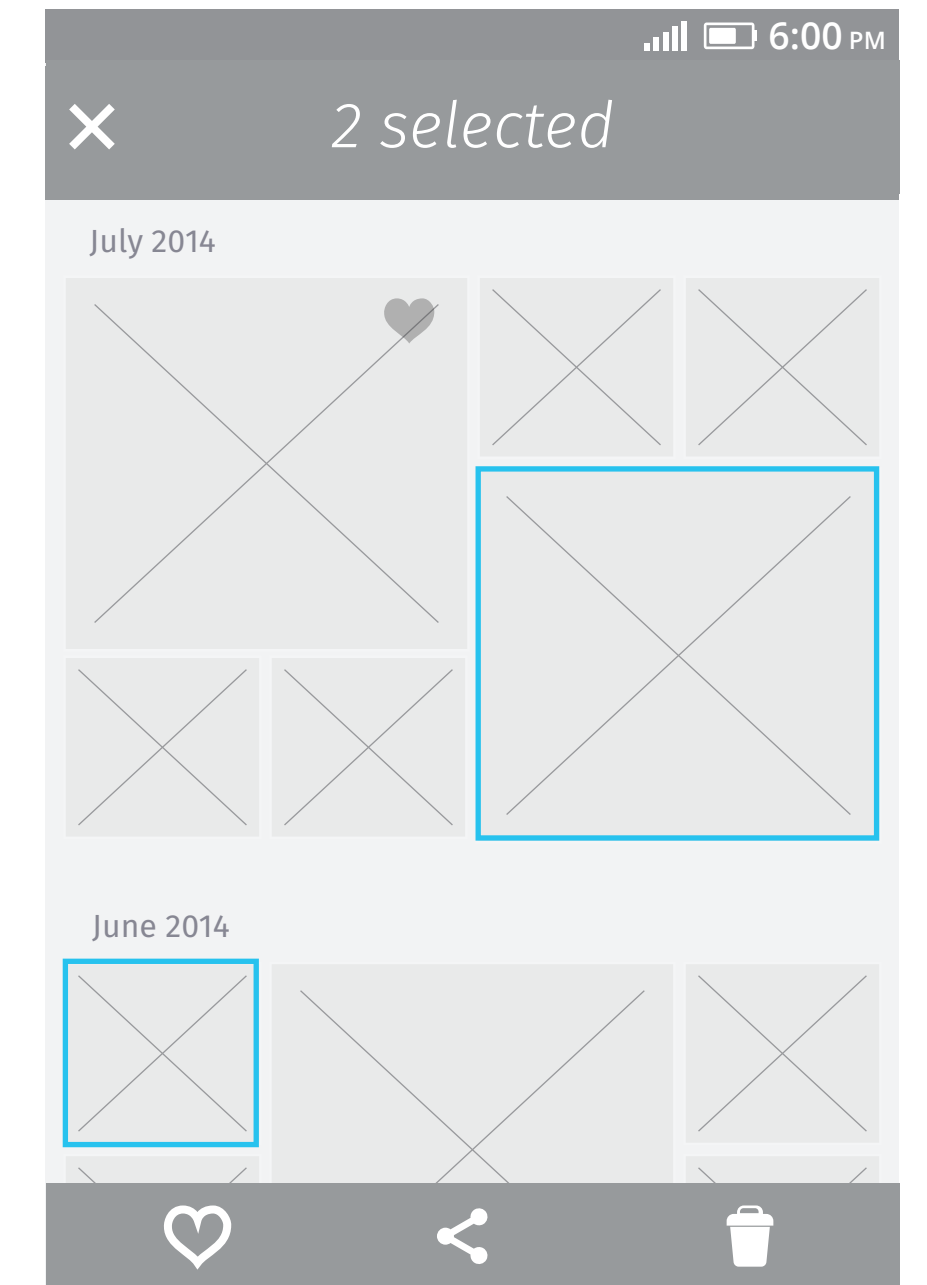
5. Multi-Select - Unfavorited



Favorite indicator (heart) is removed from thumbnail, a confirmation banner is shown. Banner fades away in 3 seconds.

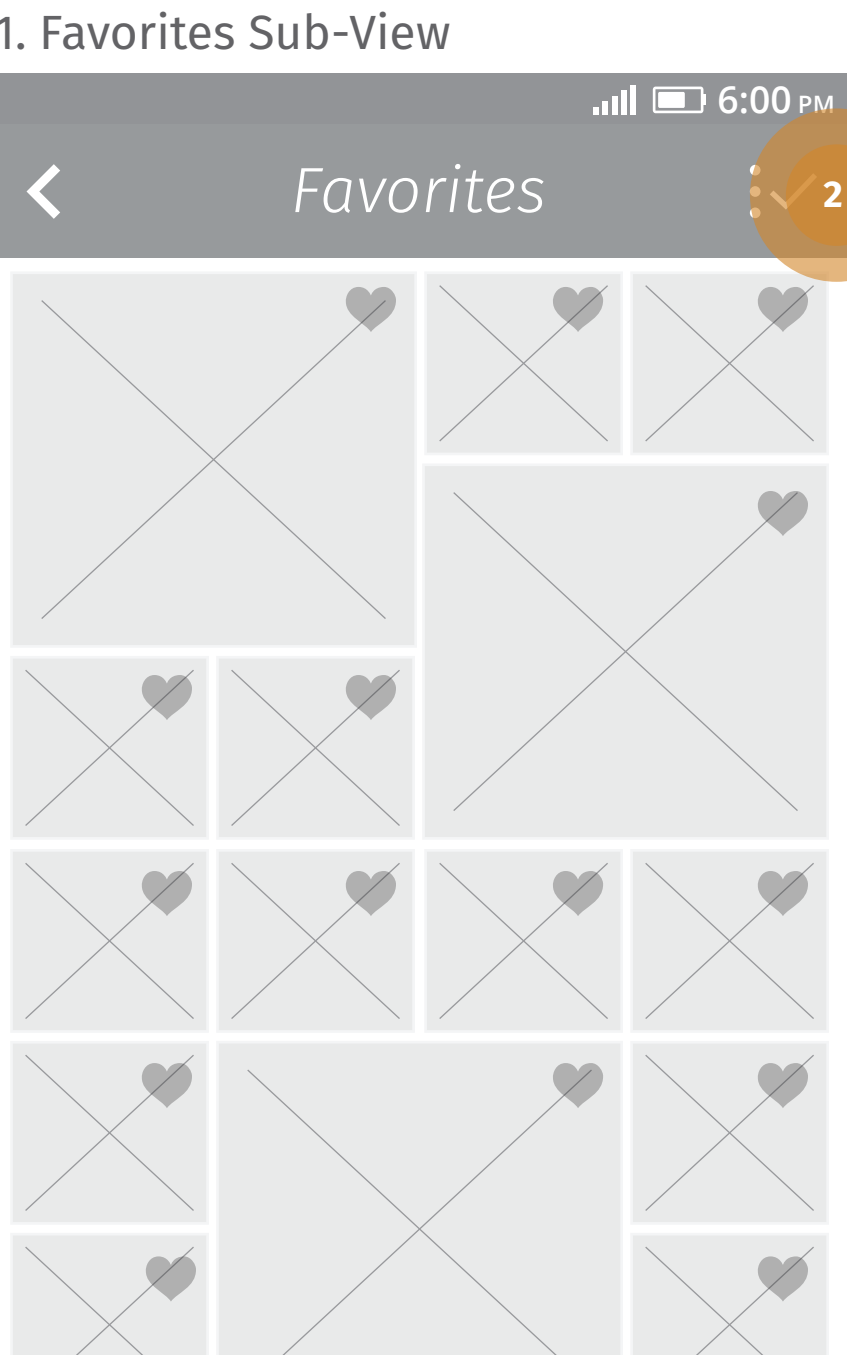
Items remain selected

6. Multi-Select



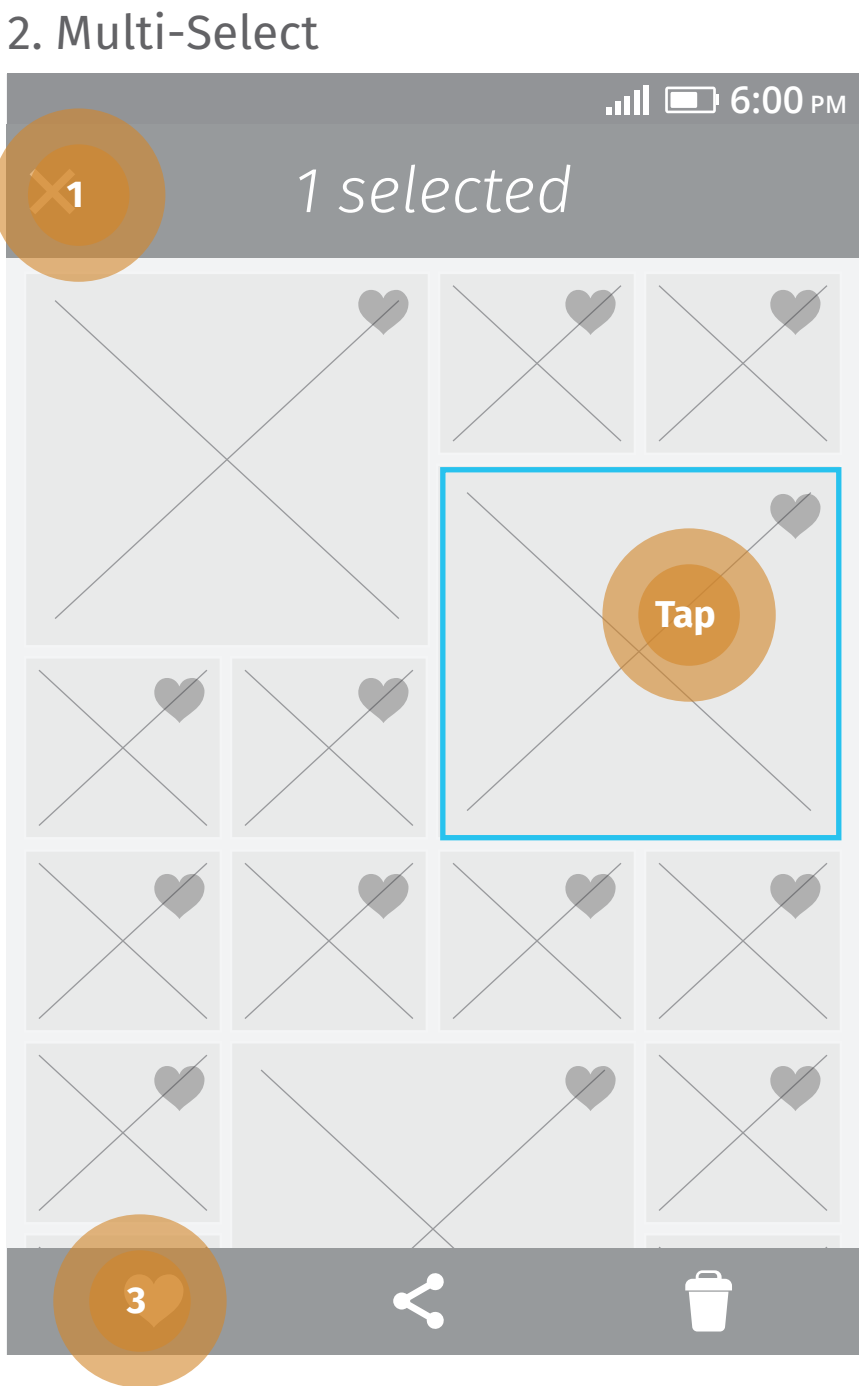


# Multi-Unfavorite - Flow



This applies specifically to the favorites sub-view.

Tapping allows the user to select multiple items and take an action.

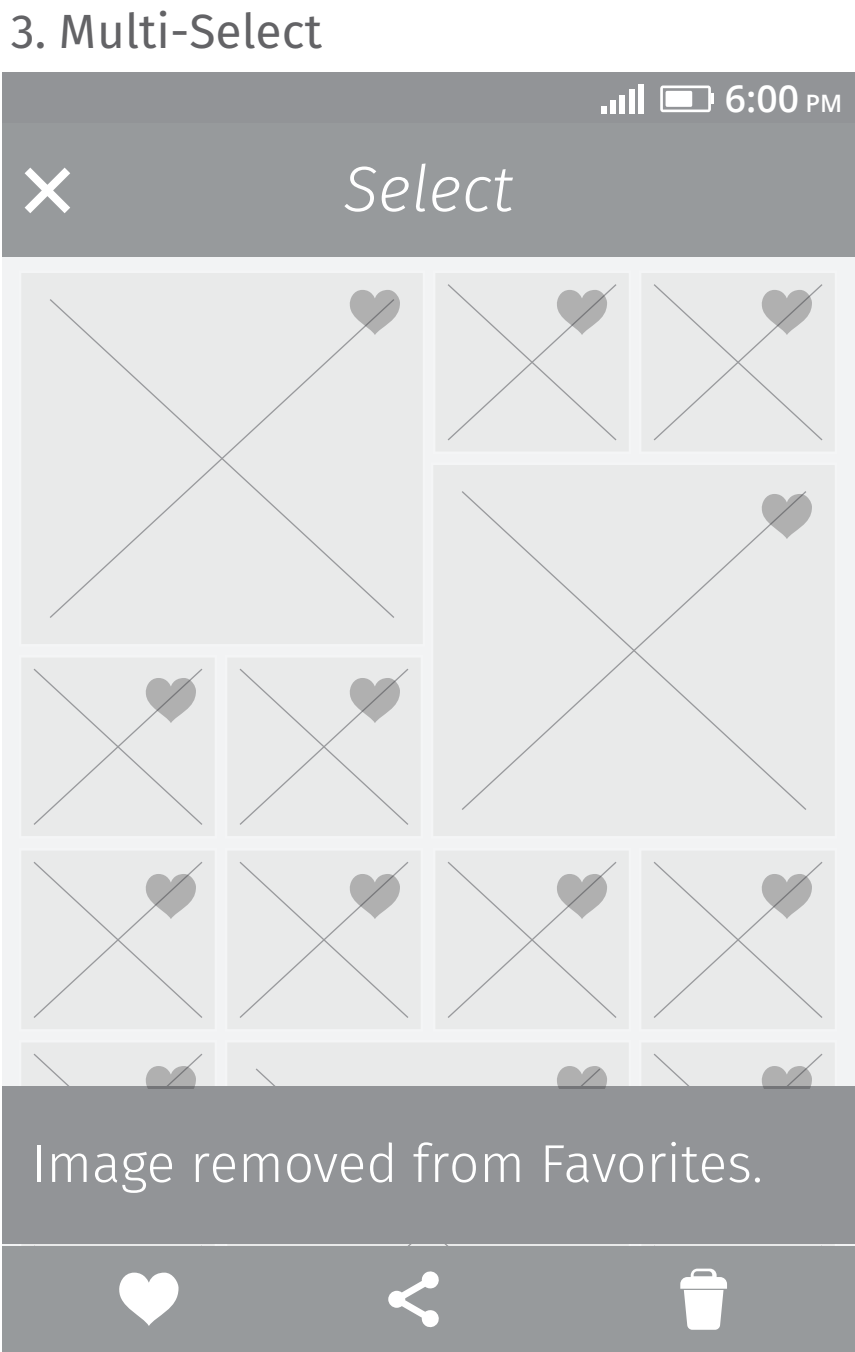


Tapping on items selects/deselects.

Tapping cancel exits with no further action taken.

Tapping unfavorite removes the selected items from the favorites sub-view.

Toolbar icons are grayed out until 1 item has been selected.



Selected items are unfavorited and immediately removed. A confirmation banner is shown. Banner fades away in 3 seconds.

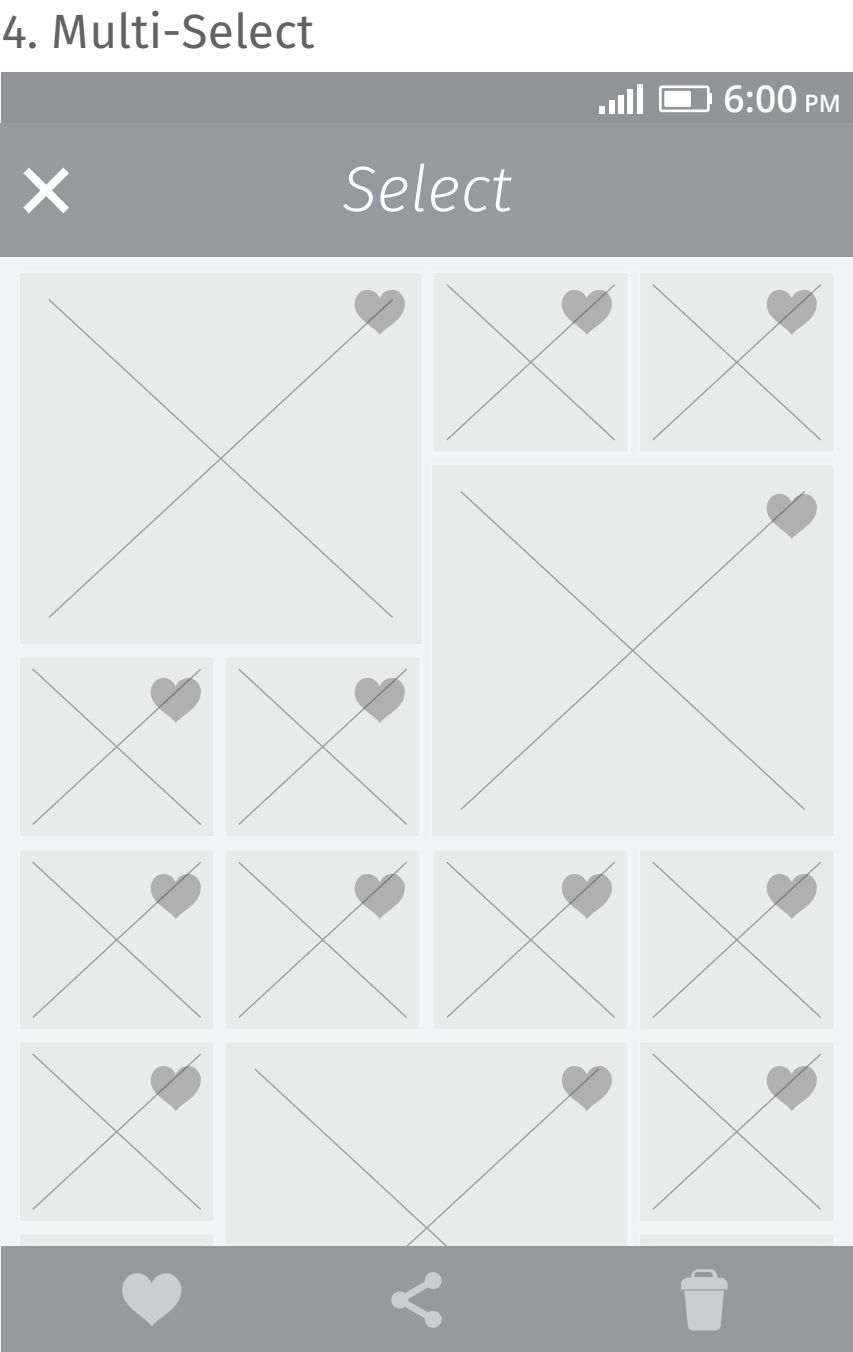


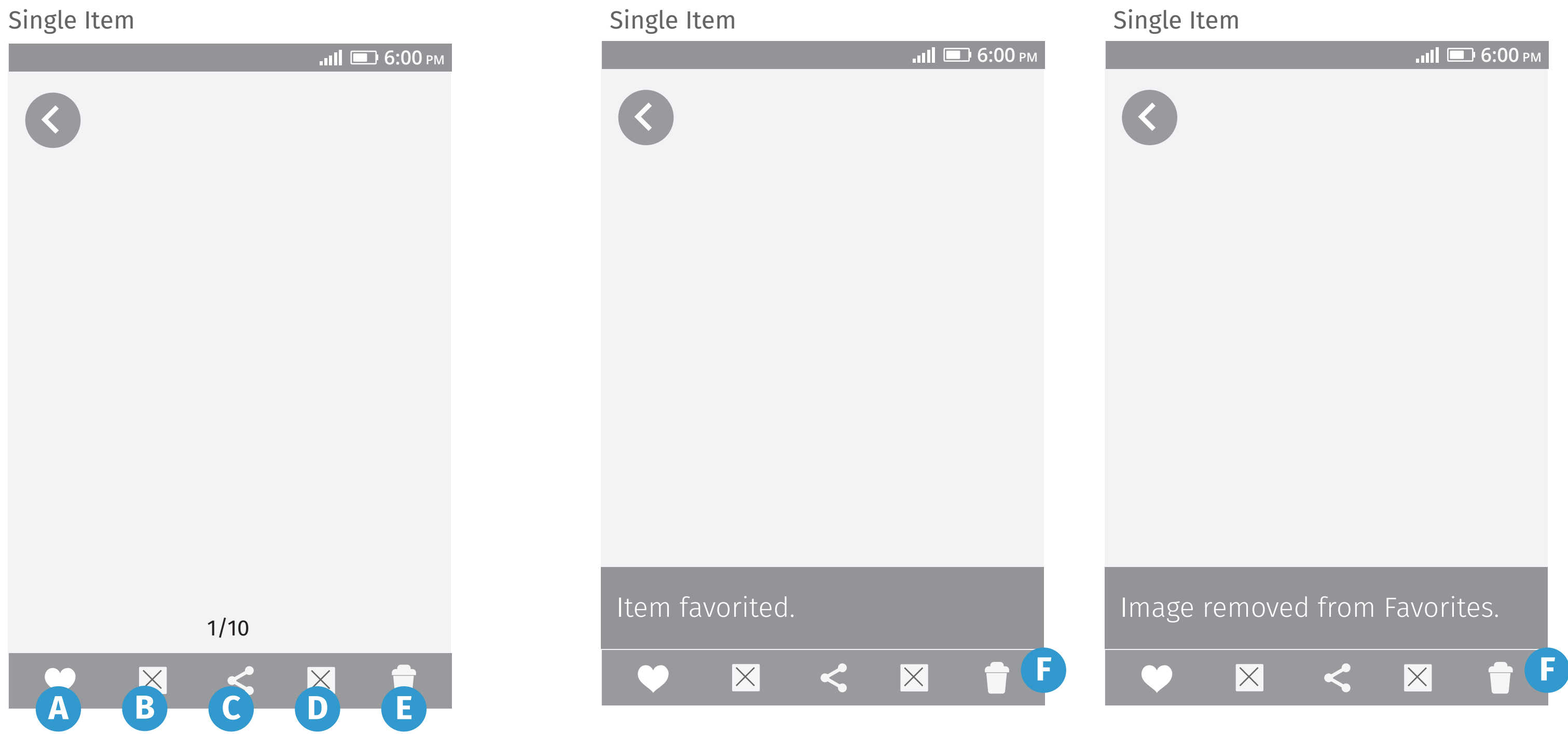
Image has been removed from Favorites and the view is updated.

Remains in multi-select mode, with no selections and icons in toolbar are in disabled state.





# Single Photo/Video - Details

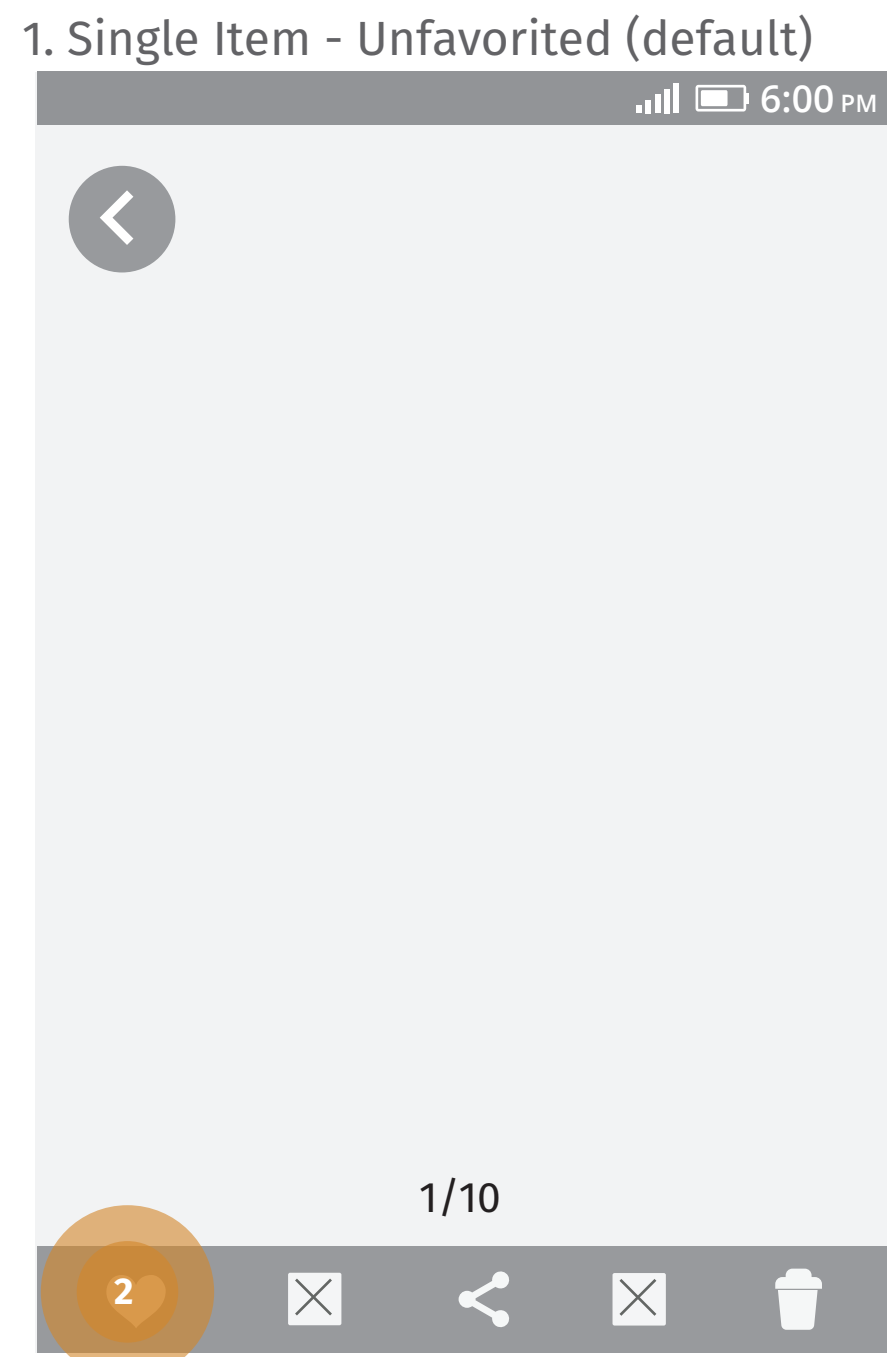


Applicable to all views, both main and sub-views, when opening a single item.

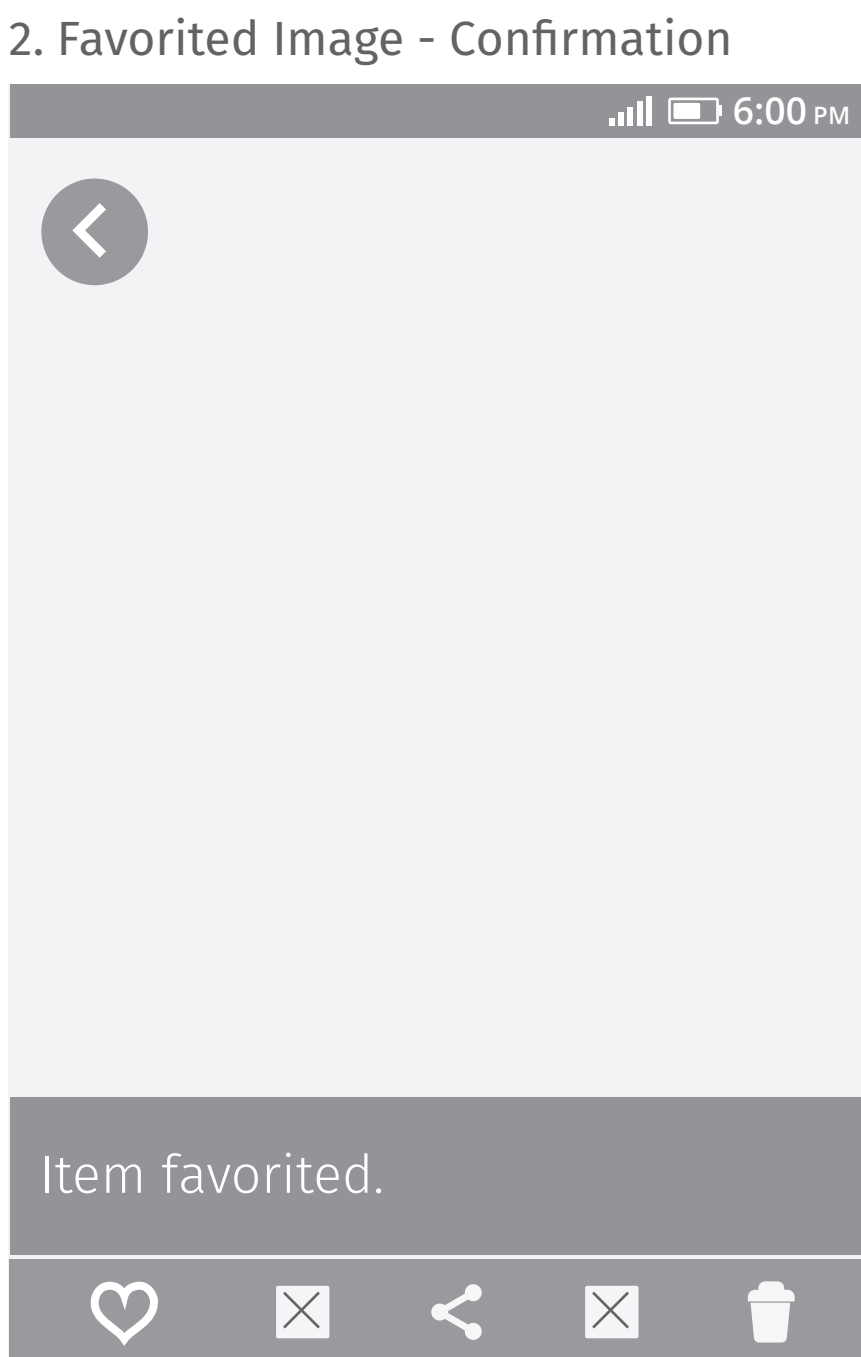
## Notes

- A Favorite/Unfavorite**  
The current state is reflected via the icon and can be toggled back and forth.  
  
Note that this function is replacing the camera shortcut.
- B Edit**  
Goes into edit mode - see 2.1 edit spec for more edit details/changes.
- C Share**  
Functionality behaves as previous releases - show action menu with options before continuing to share activity.
- D Info**  
Functionality behaves as previous releases - show image details
- E Delete**  
Functionality behaves as previous releases - first present a confirmation before finishing the action.
- F Banner**  
After favoriting or unfavoriting an item, show a confirmation banner.

# Single Image Favorite & Unfavorite - Flow

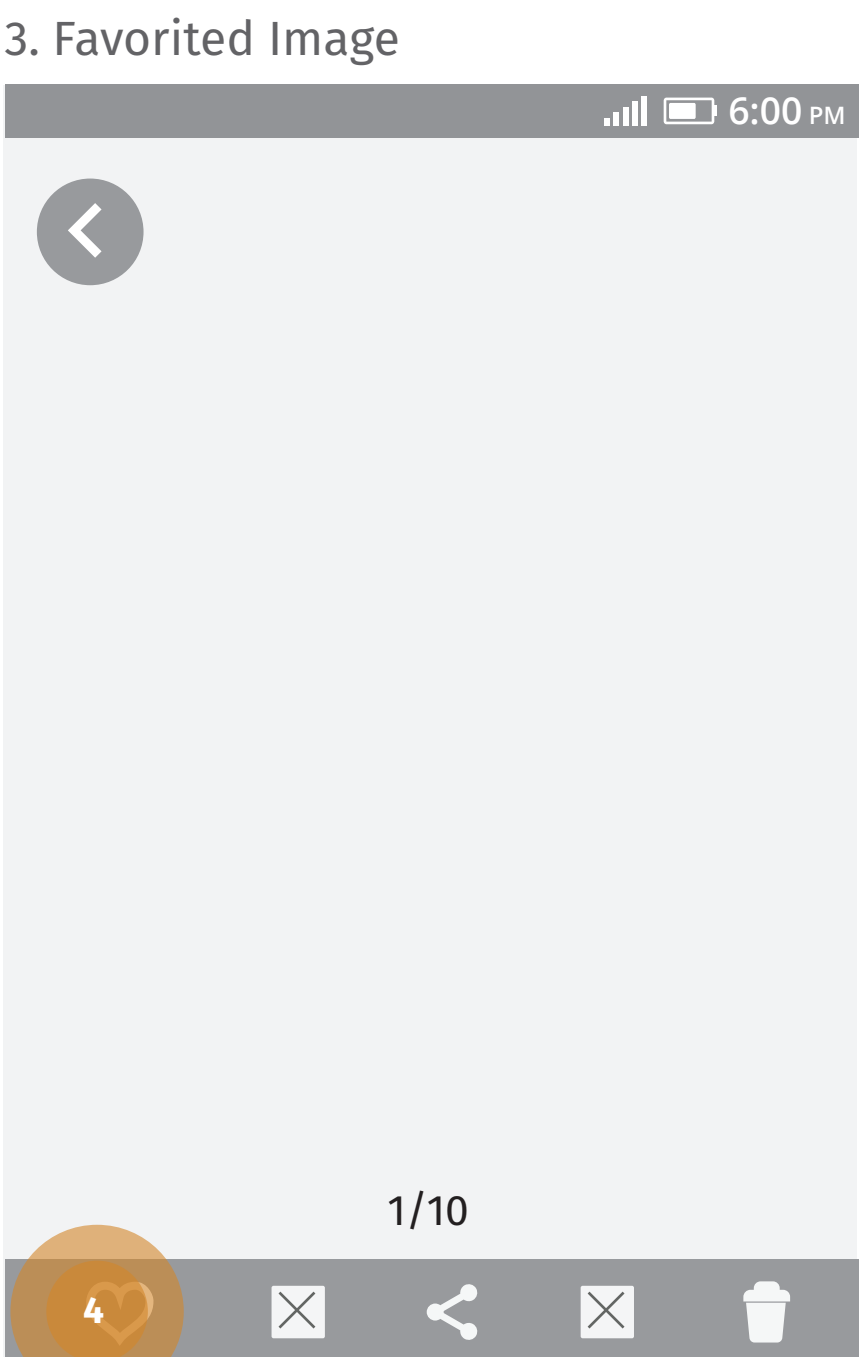


Tapping favorite icon “favorites” the images and adds the image to the Favorites stream



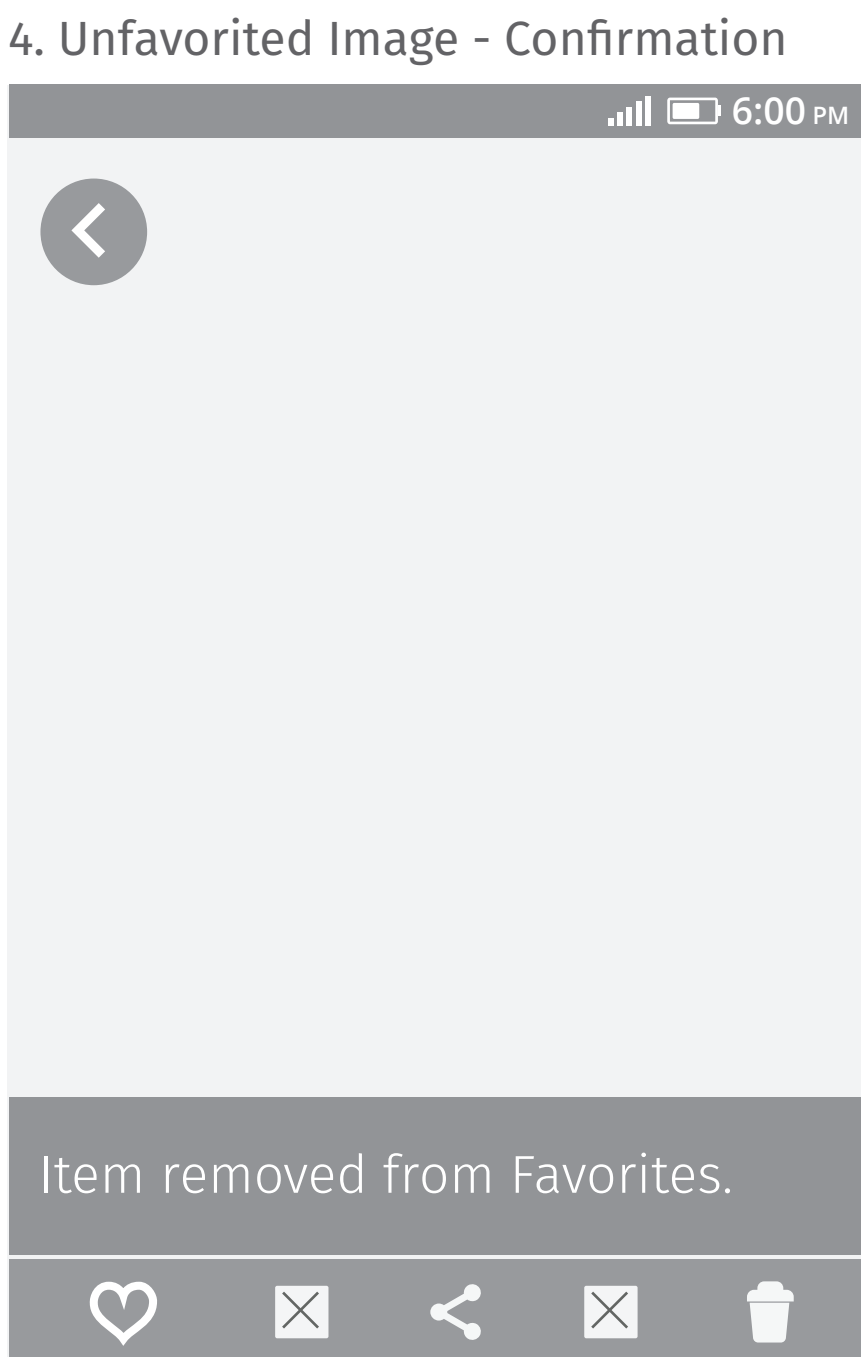
Selected item is favorited. A confirmation banner is shown. Banner fades away in 3 seconds.

Icon in toolbar changes to “unfavorite” state (acts as a toggle)



Tapping unfavorite icon “unfavorites” the item and removes it from the Favorites stream.

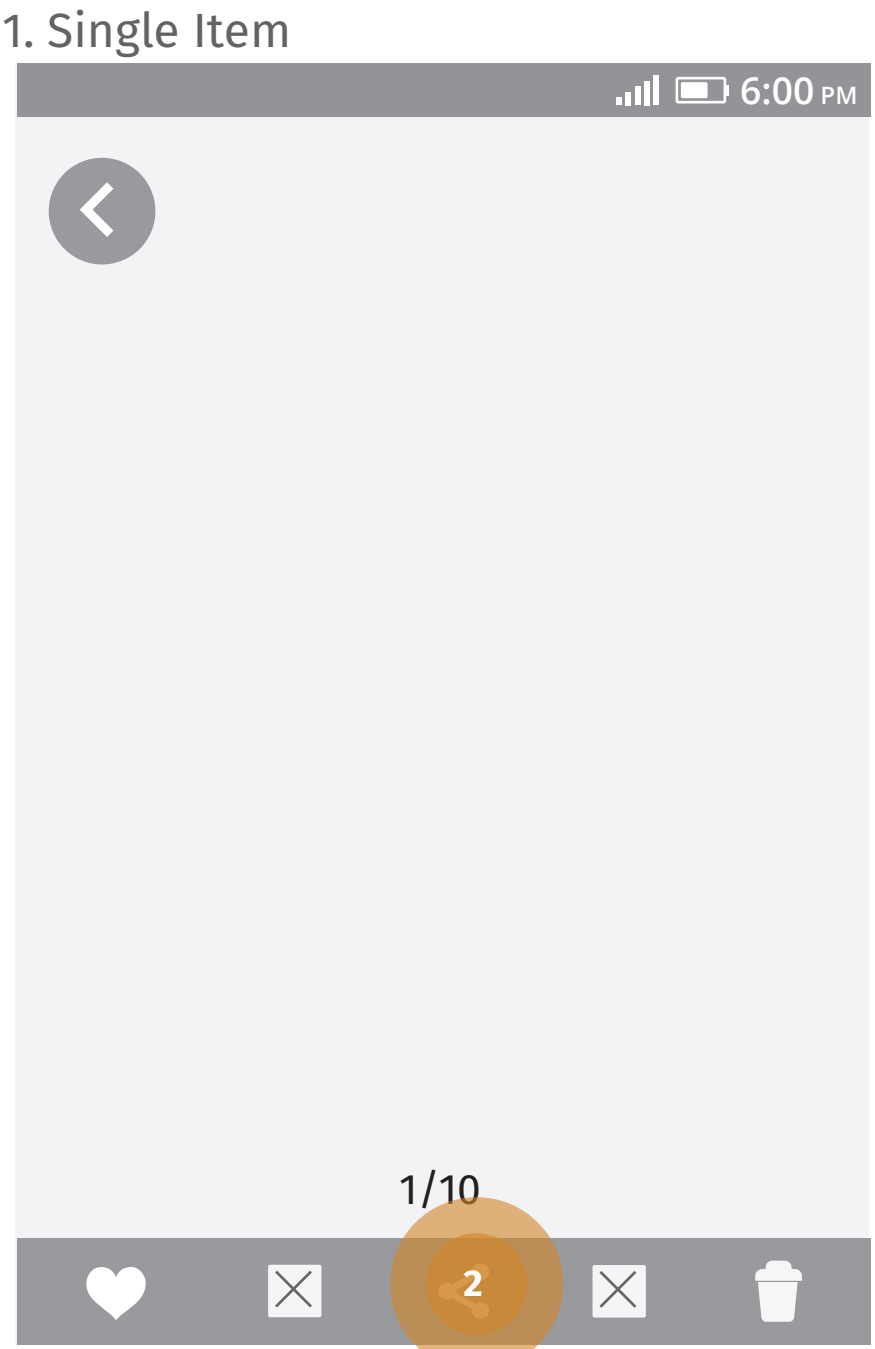
Icon in toolbar changes to “favorite” state



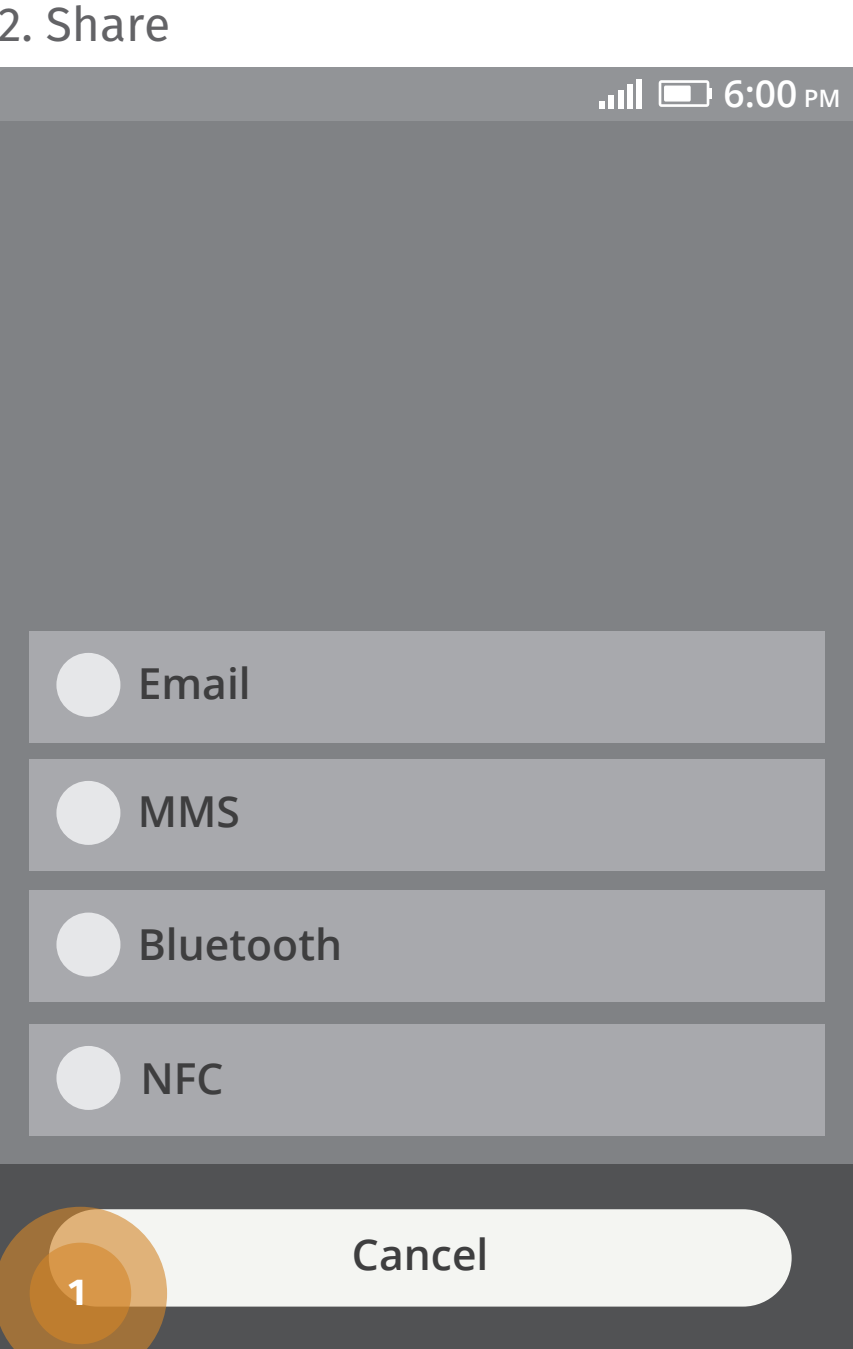
Selected item is unfavorited. A confirmation banner is shown. Banner fades away in 3 seconds,.

Icon in toolbar changes to “favorite” state (acts as a toggle)

# Single Image Share - Flow



Tapping share presents an action menu with possibilities.



Tapping an option goes into that specific share flow.

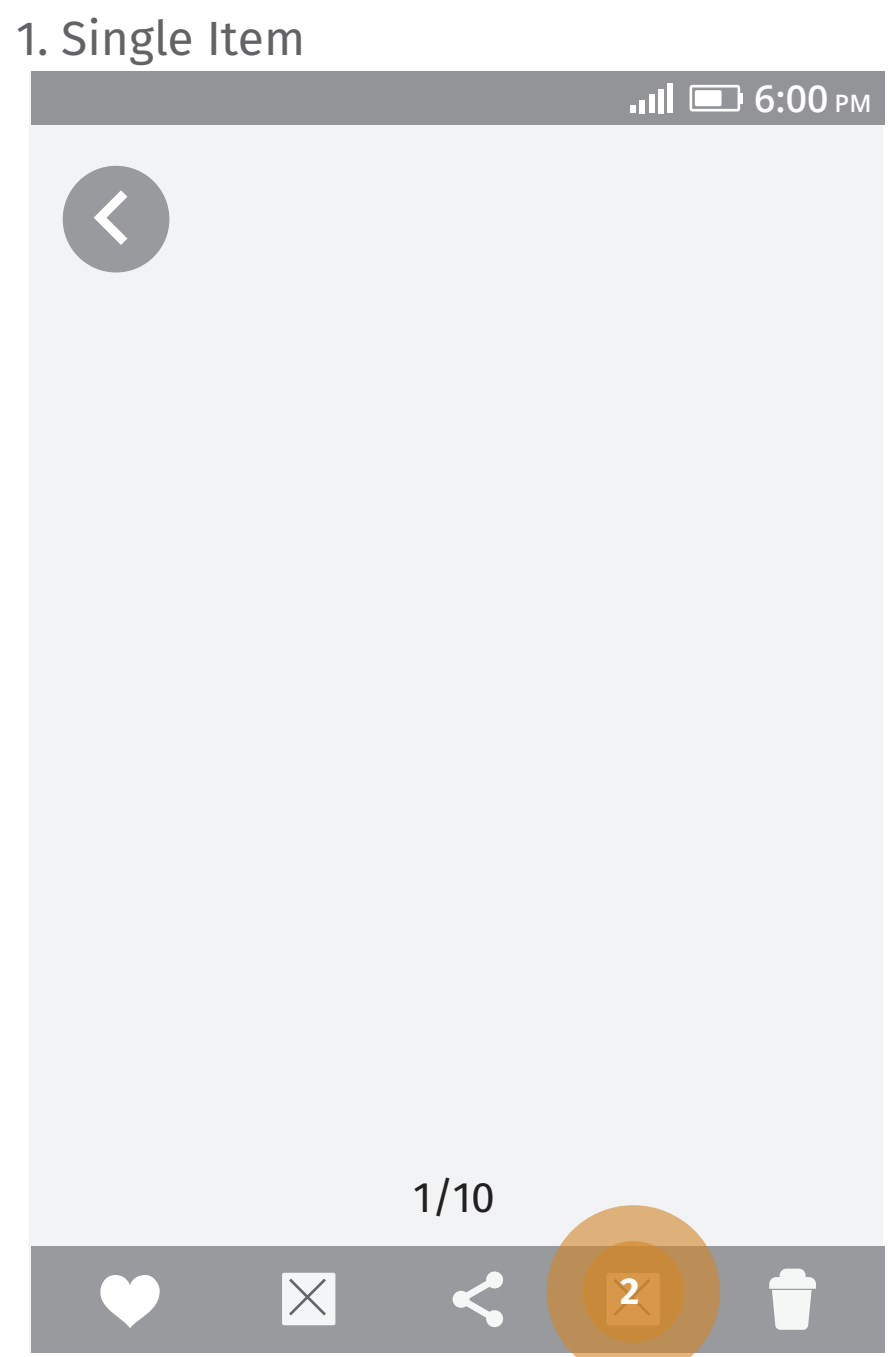
This UI is not app-controlled - options may differ depending what the user has installed.

## SHARE FLOW

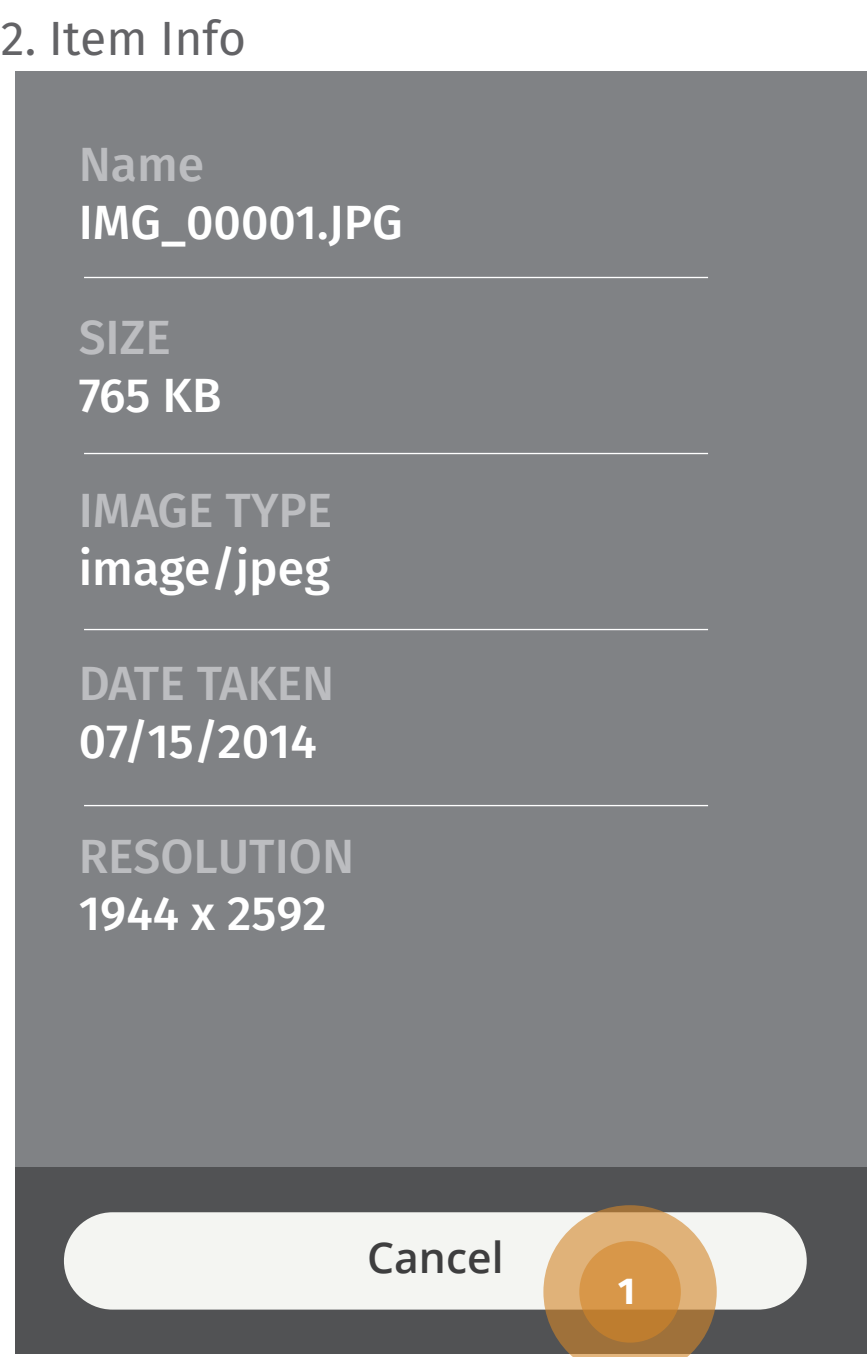


Use current UI/flows for sharing options.

# Single Image Info - Flow



Tapping on info icon displays Information about single item

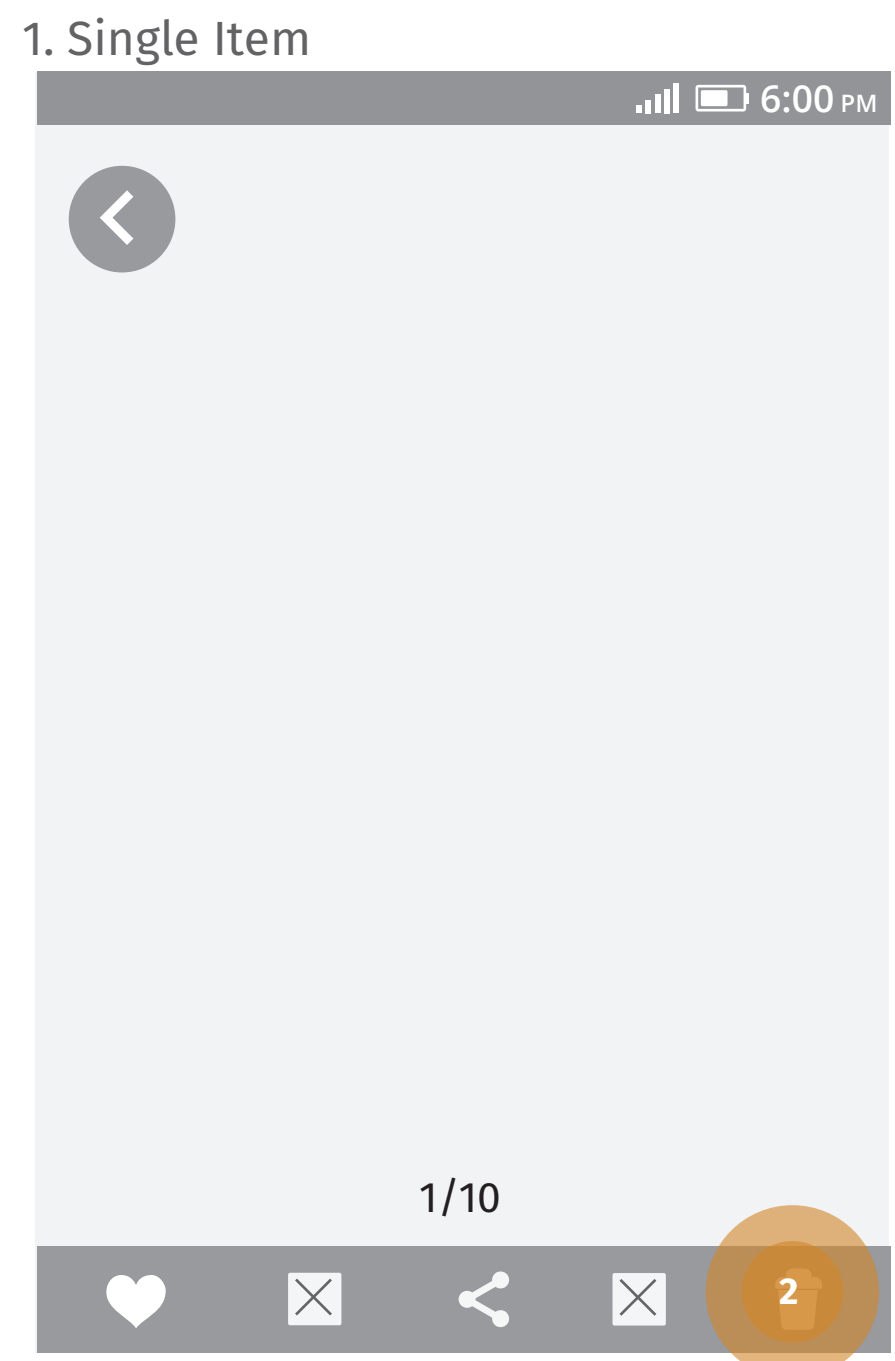


Tapping cancel exits and returns to Single Image View

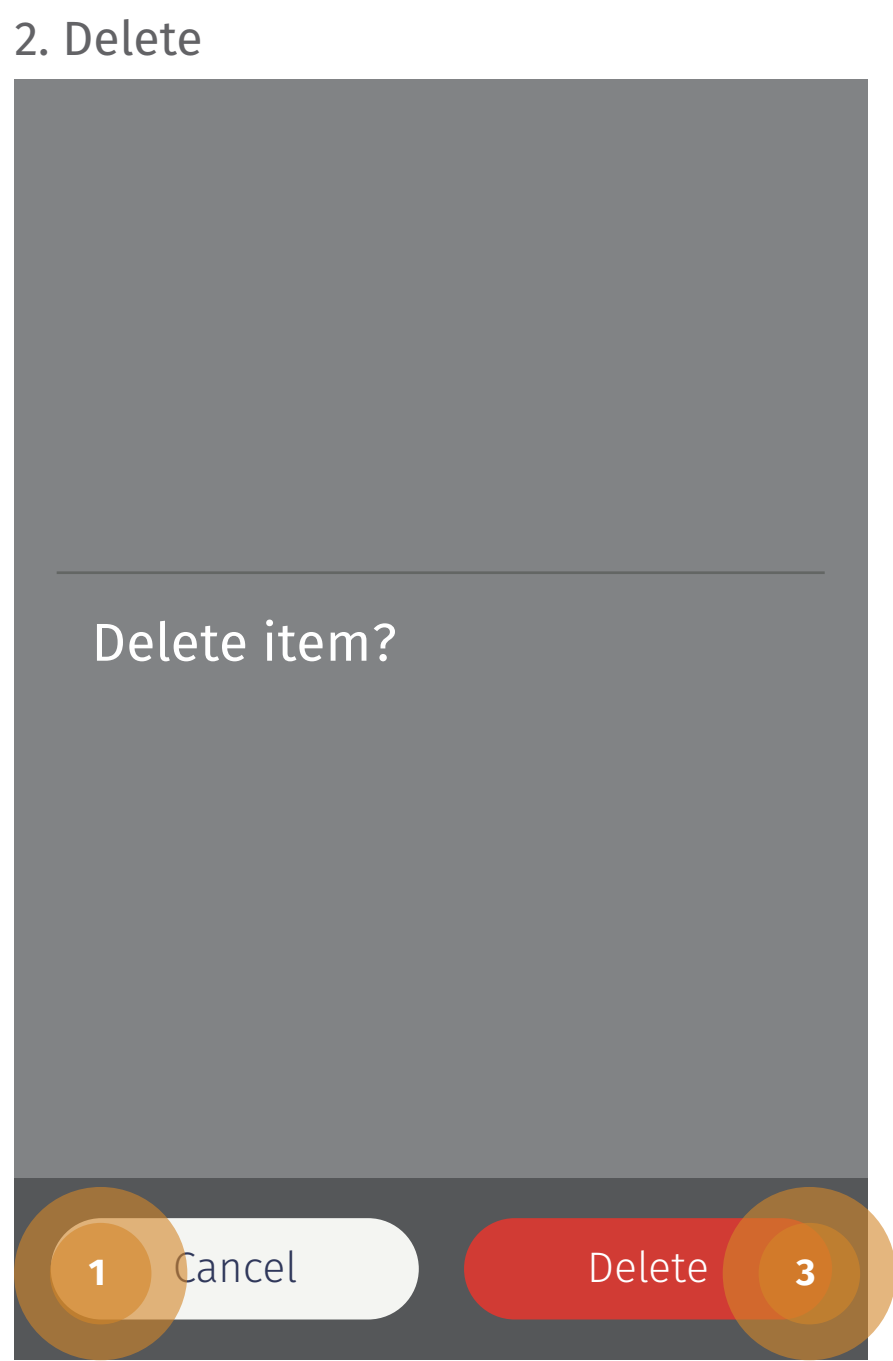
Same as previous release.

**Can we add additional information (icon) if an image has been Favorited?**  
**What about hour/min specific timestamp and Geotagging?**

# Single Image Delete - Flow

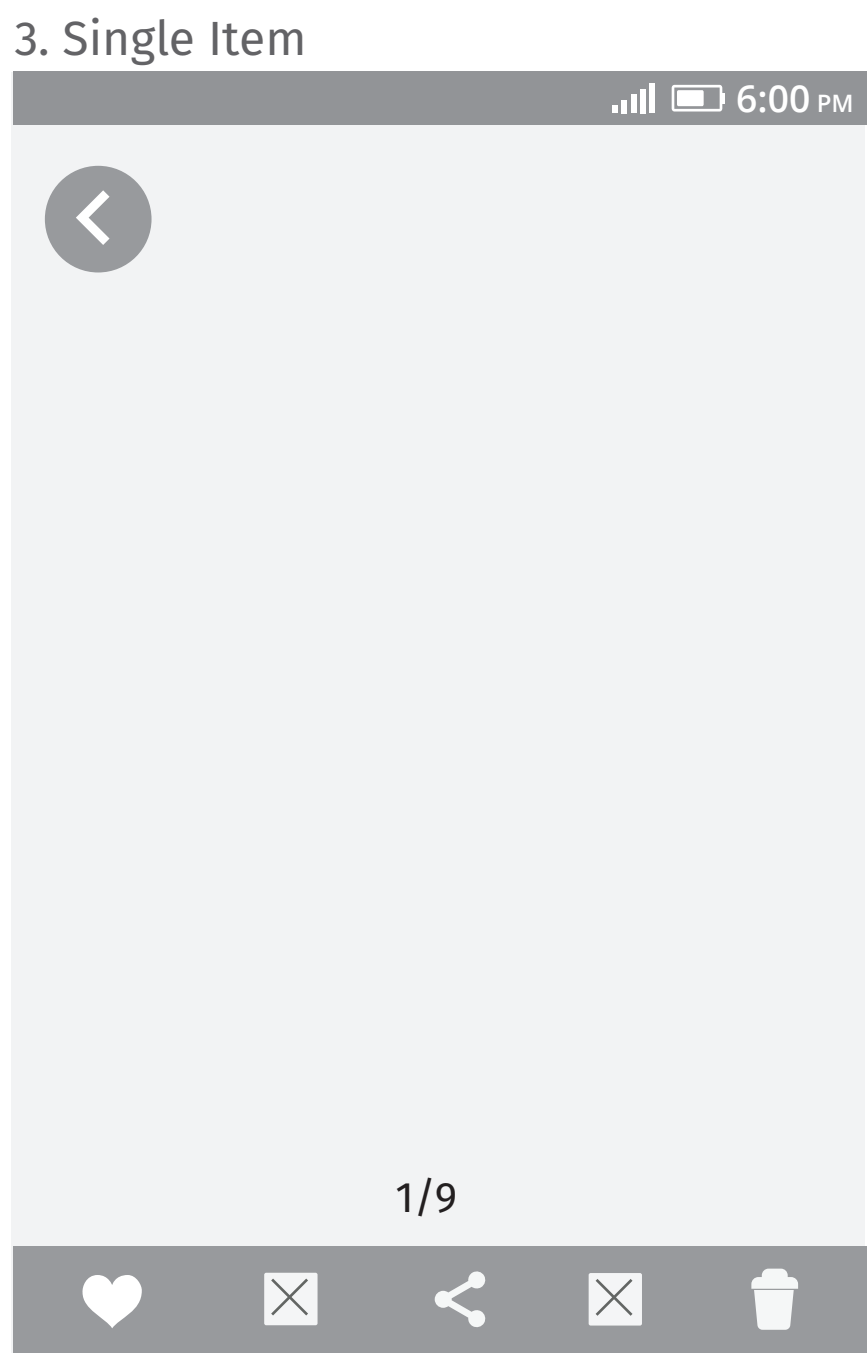


Tapping delete presents a confirmation.



Tapping cancel exits to Single Item View with no further action taken.

Tapping delete, deletes the item and shows the previous image in the stream.



# Thanks!

From your friends in Firefox OS UX

# Appendix

## **Possible IA / Features concepts deferred for later release**

Gallery Search : keyword, tagging, location and time

Camera stream sorting: time, list or map

User-Defined Albums : Add/Edit/Delete

Single Image View : Info - edit info?