Firefox OS

Gallery - Views

Version 1.3 August 14, 2014

Questions? E-mail the author or 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
v1.3	Aug 14, 2014	Katie Caldwell	Revisions to Main Gallery View: Headers moved below thumbnails, chevron removed Banners updates to match Building Blocks v1.6 assets

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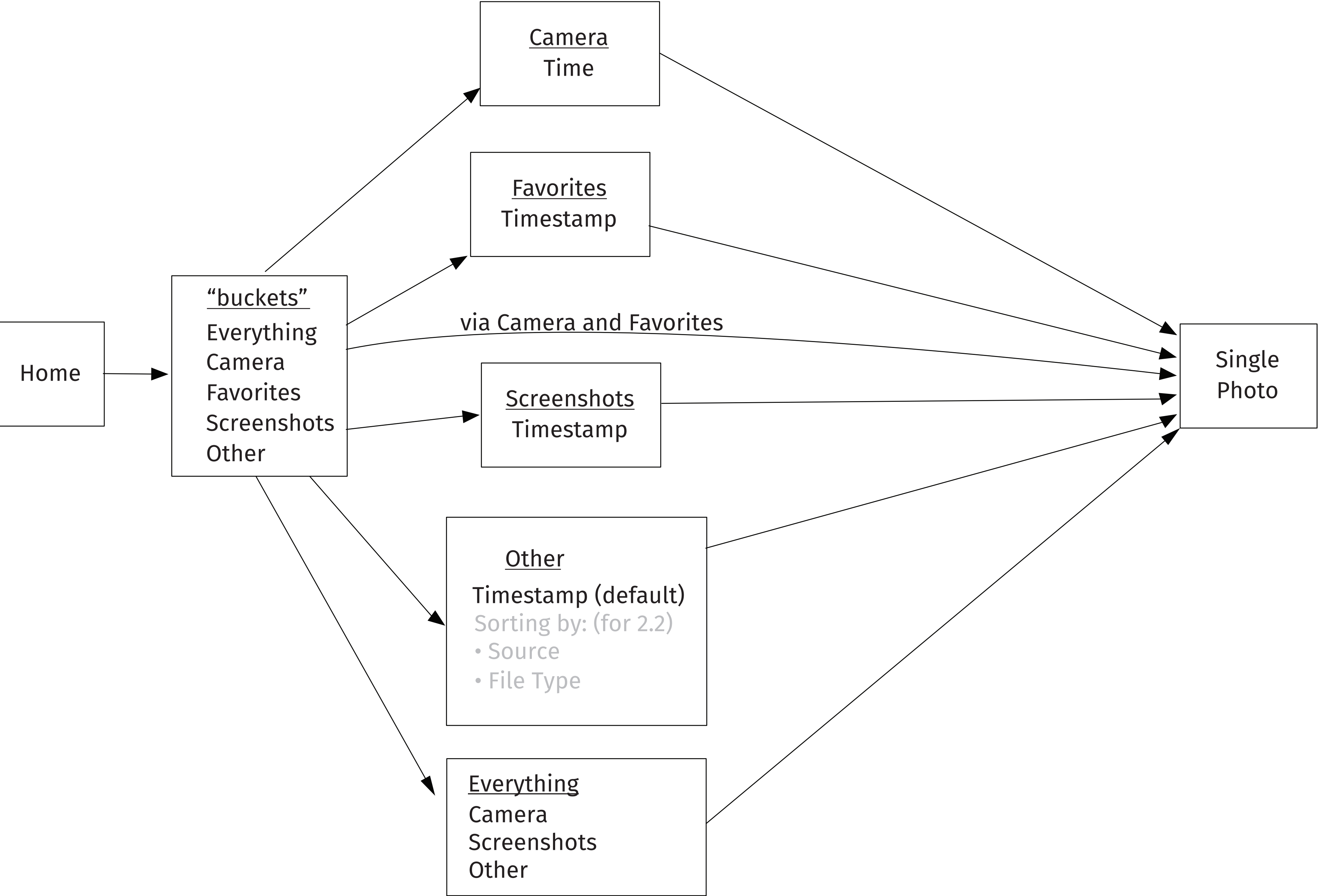
Aside from viewing "folders" there is an additional view that will show all content to allow the user to do some bulk management tasks on all their images - e.g. album creation or delete.

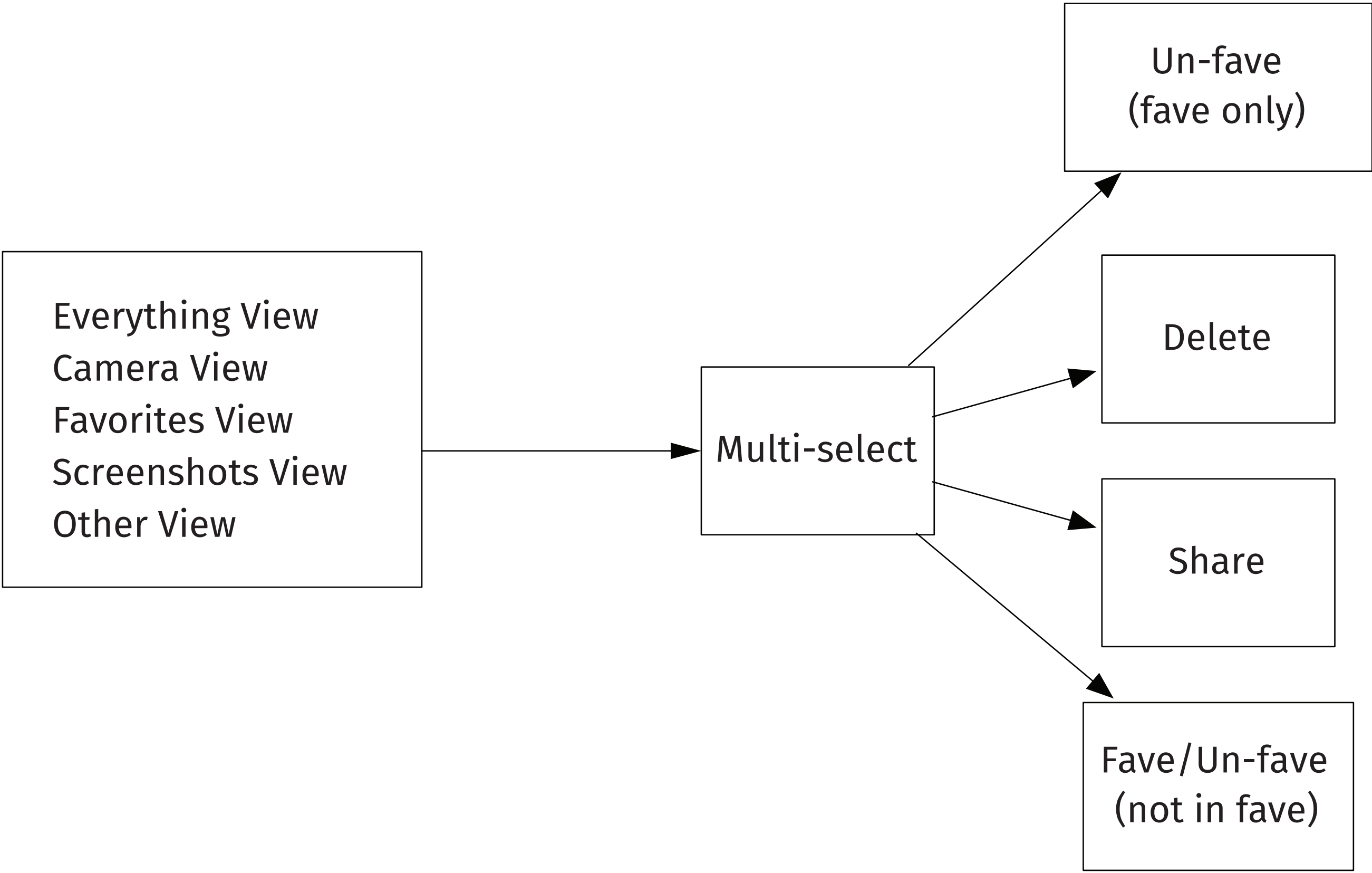The prioritized list for 2.1, which this spec will cover:
- the new gallery screen and subsequent sub-views
- favorites
- overall visual refresh

If there's time the team will then work on splitting the edit screen into two steps and an improved timeline presentation.
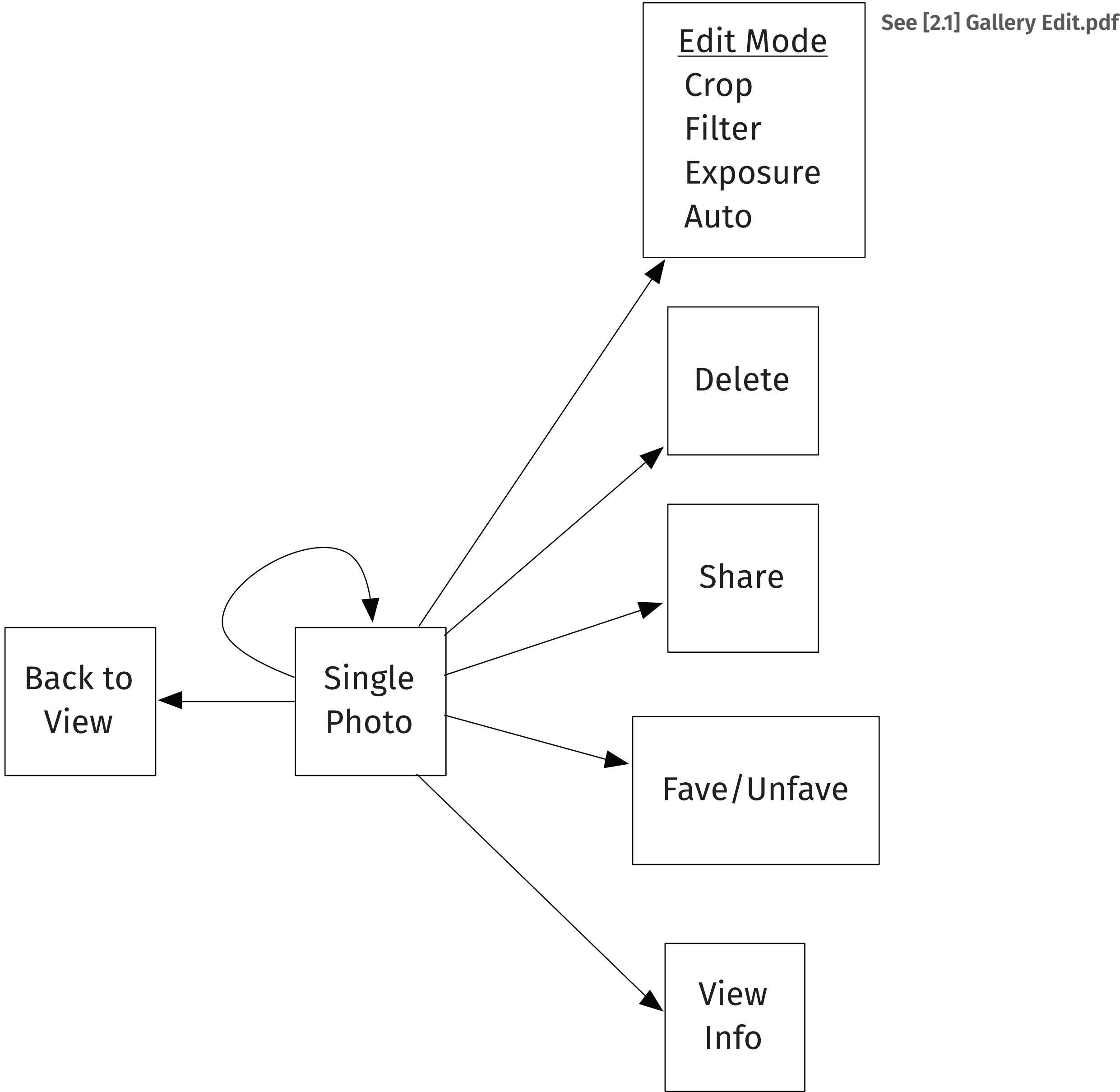
IA Diagrams
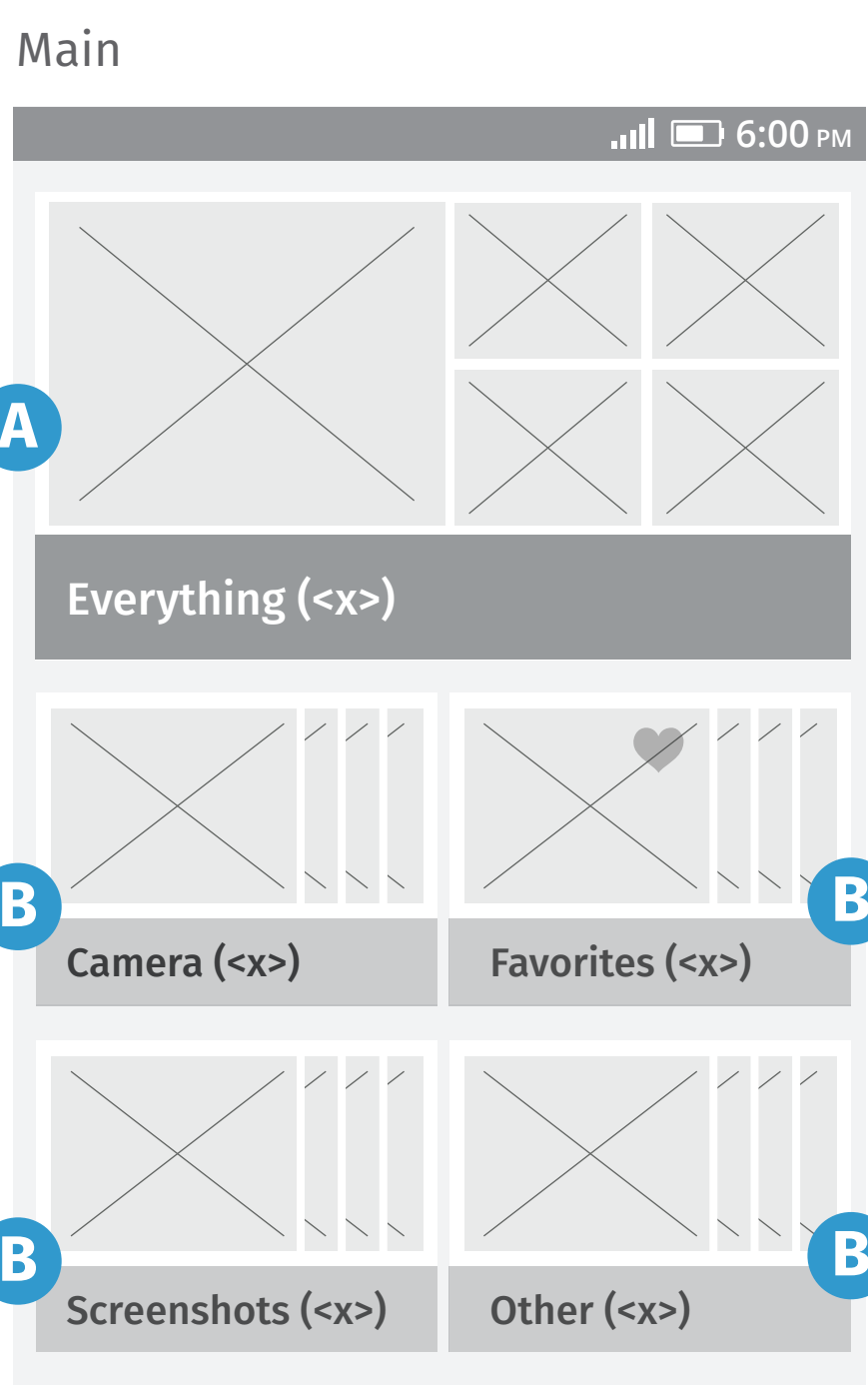
Top Level IA

Home → "buckets"
Everything
Camera
Favorites
Screenshots
Other

Camera
Time

Favorites
Timestamp

via Camera and Favorites

Screenshots
Timestamp

Other
Timestamp (default)
Sorting by: (for 2.2)
• Source
• File Type

Everything
Camera
Screenshots
Other

Single
Photo

Sub-View IA

Everything View
Camera View
Favorites View
Screenshots View
Other View

Multi-select

Un-fave
(fave only)

Delete

Share

Fave/Un-fave
(not in fave)

Single Photo/Video IA

Edit Mode
Crop
Filter
Exposure
Auto

See [2.1] Gallery Edit.pdf

Delete

Share

Back to View

Single Photo

Fave/Unfave

View Info

Main Views

Gallery Home - Details

Main

A	**Everything (<x>)**
B	**Camera (<x>)**
	Favorites (<x>) **B**
B	**Screenshots (<x>)**
	Other (<x>) **B**

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

Main - empty streams / folders

Welcome to the Gallery!

No images, videos or screenshots

Use the Camera to get started.
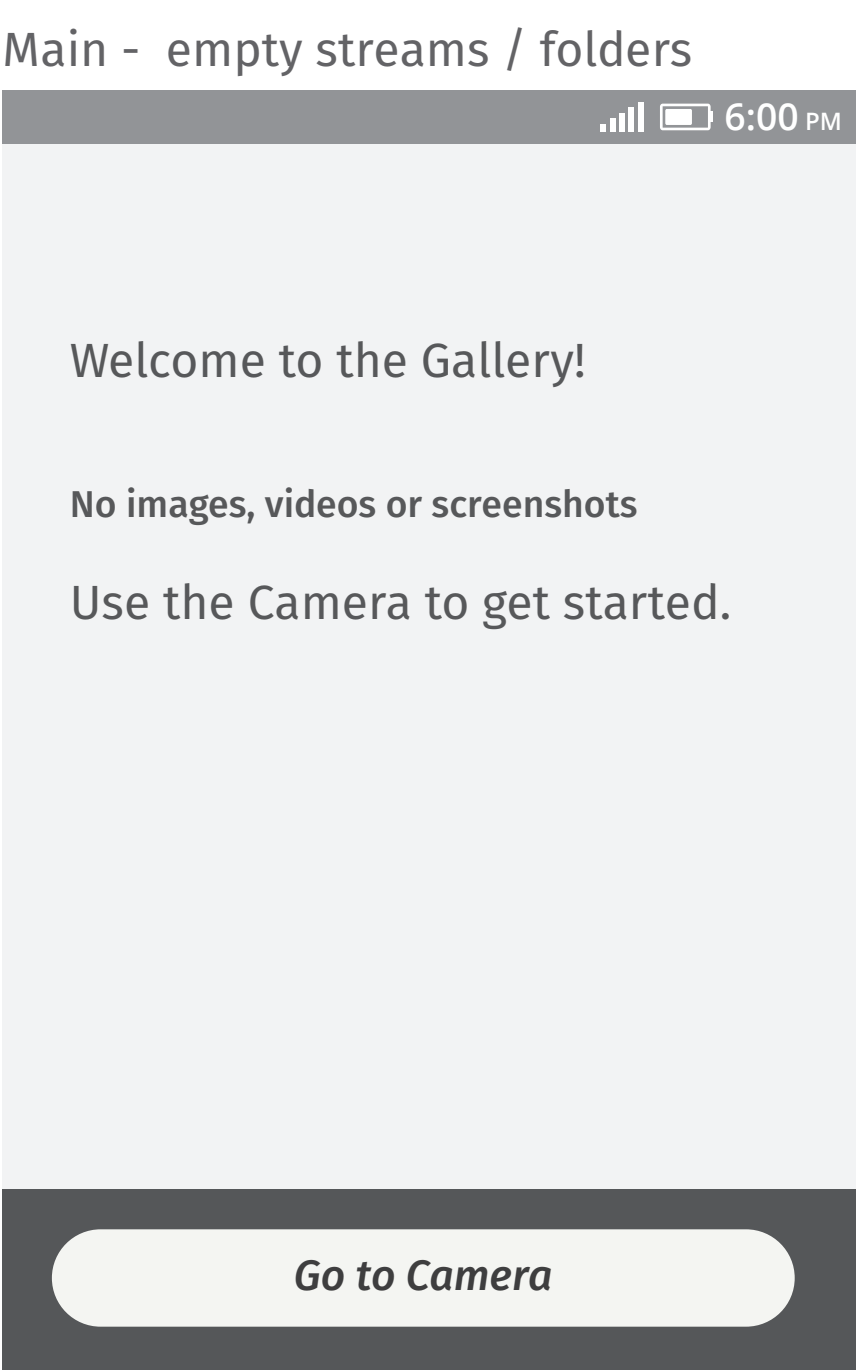
Go to Camera

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

Main - some empty folders

Everything (<x>)

Camera (<x>) **Favorites (0)**

Screenshots (0) **Other (0)**
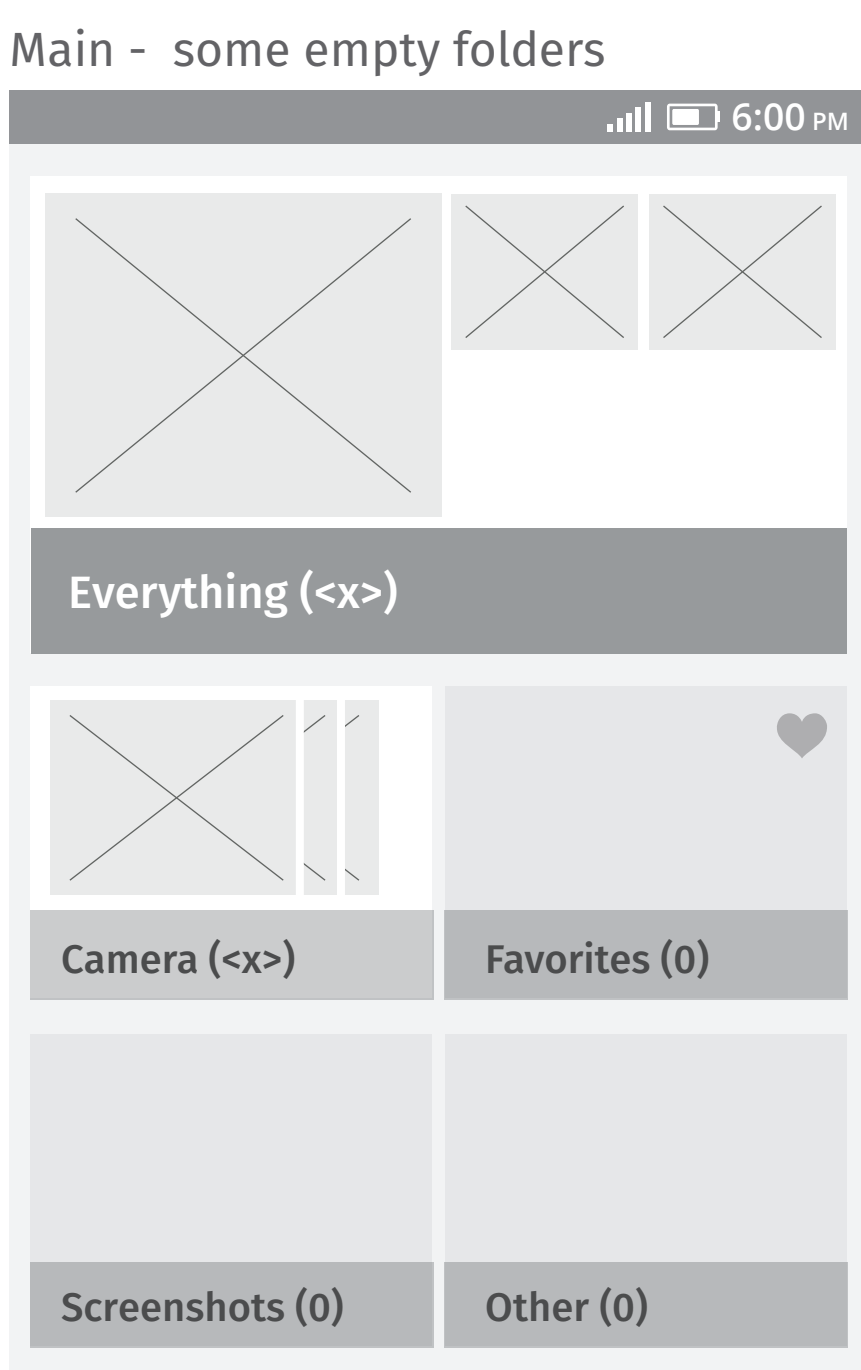
When folders contain 0 items, visual treatment will indicate this state.

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.

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

Note: for favorites "recent" is defined by timestamp not when item was favorited.

Gallery Sub-View - Details

Everything View


Everything

July 2014

June 2014
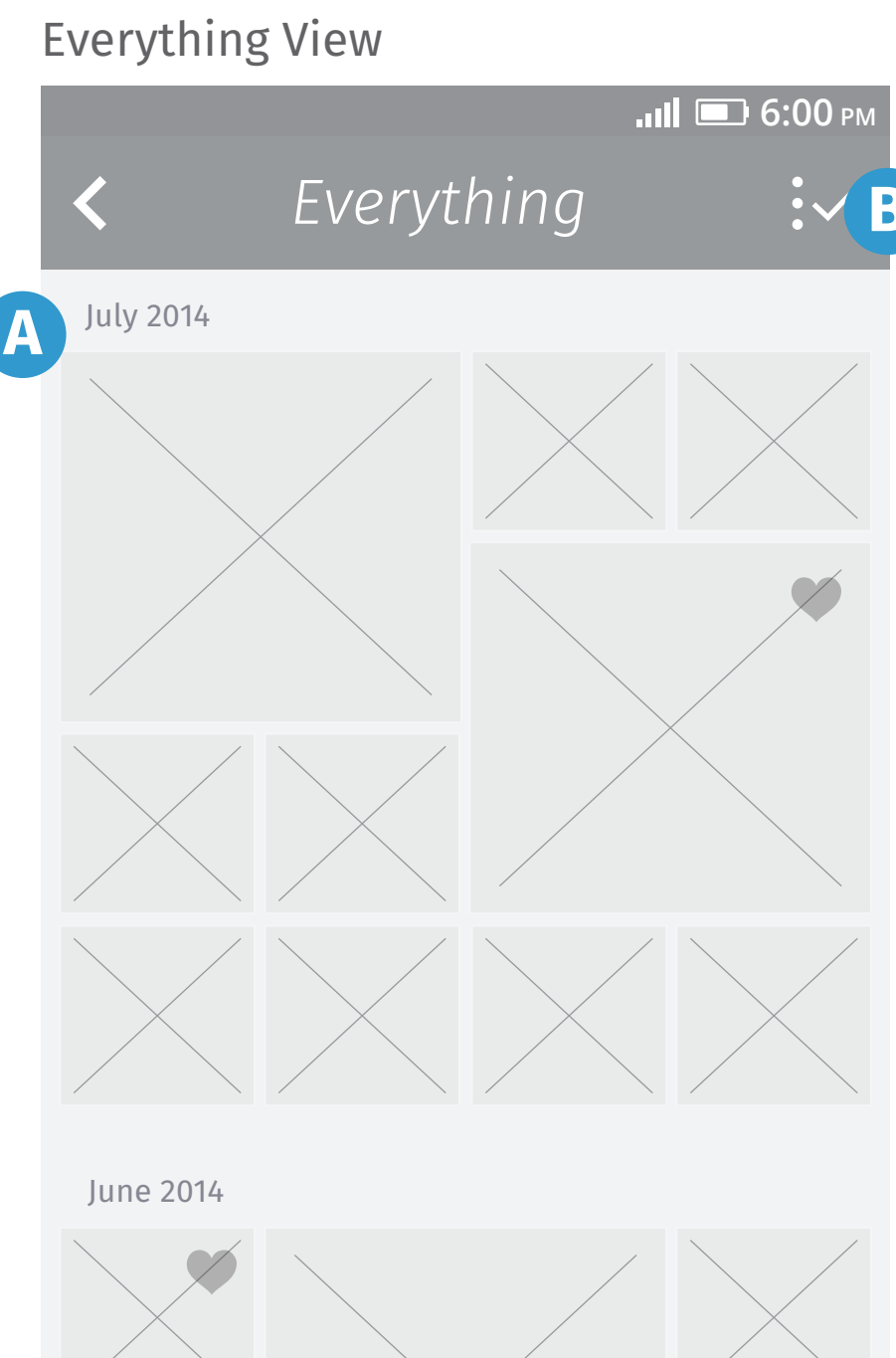
This shows all images in one spot regardless of source. This provides the ability to do mass operations, such as delete, without having to go into each other area.
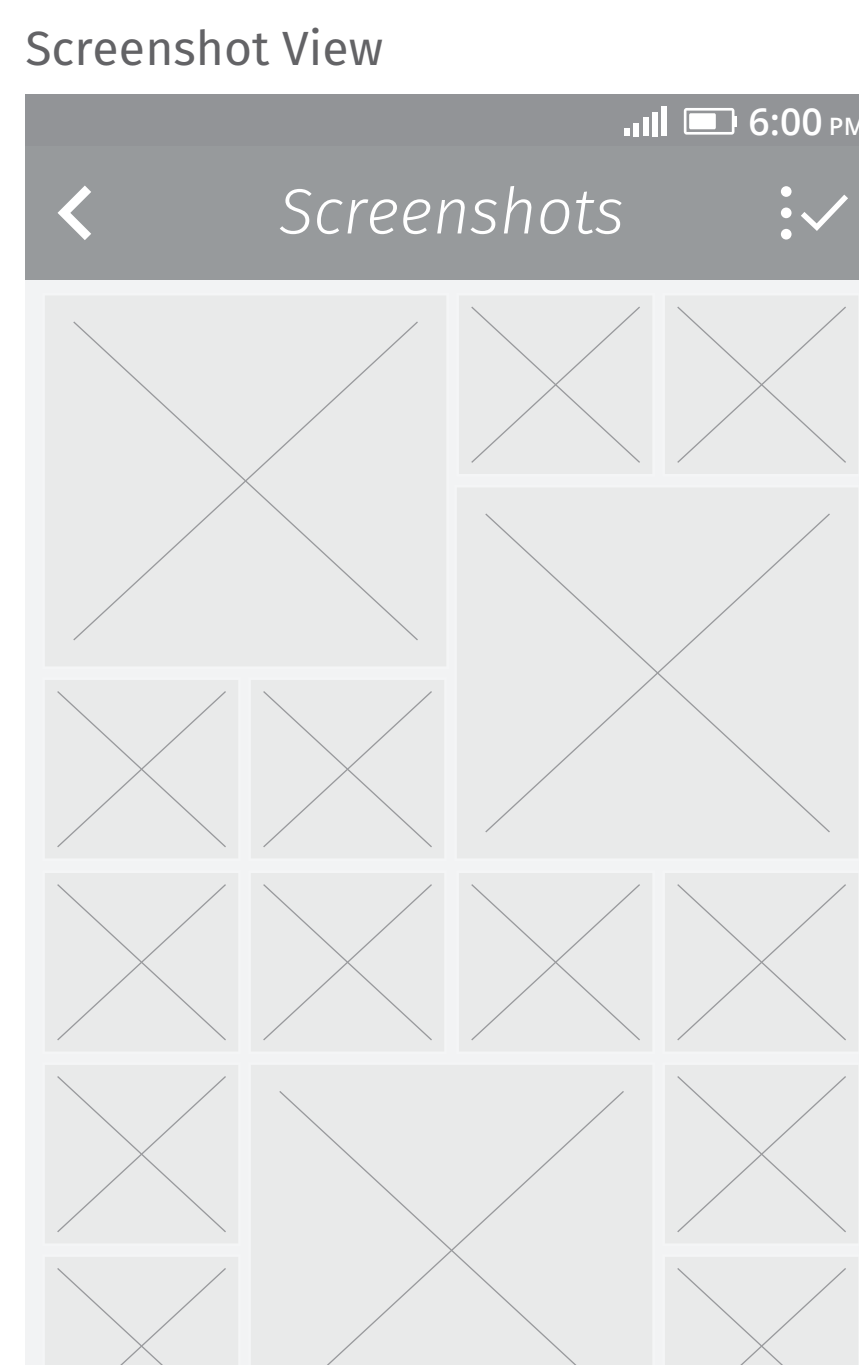
Use month groupings like today's Gallery app.

Camera View

Camera

July 2014

June 2014
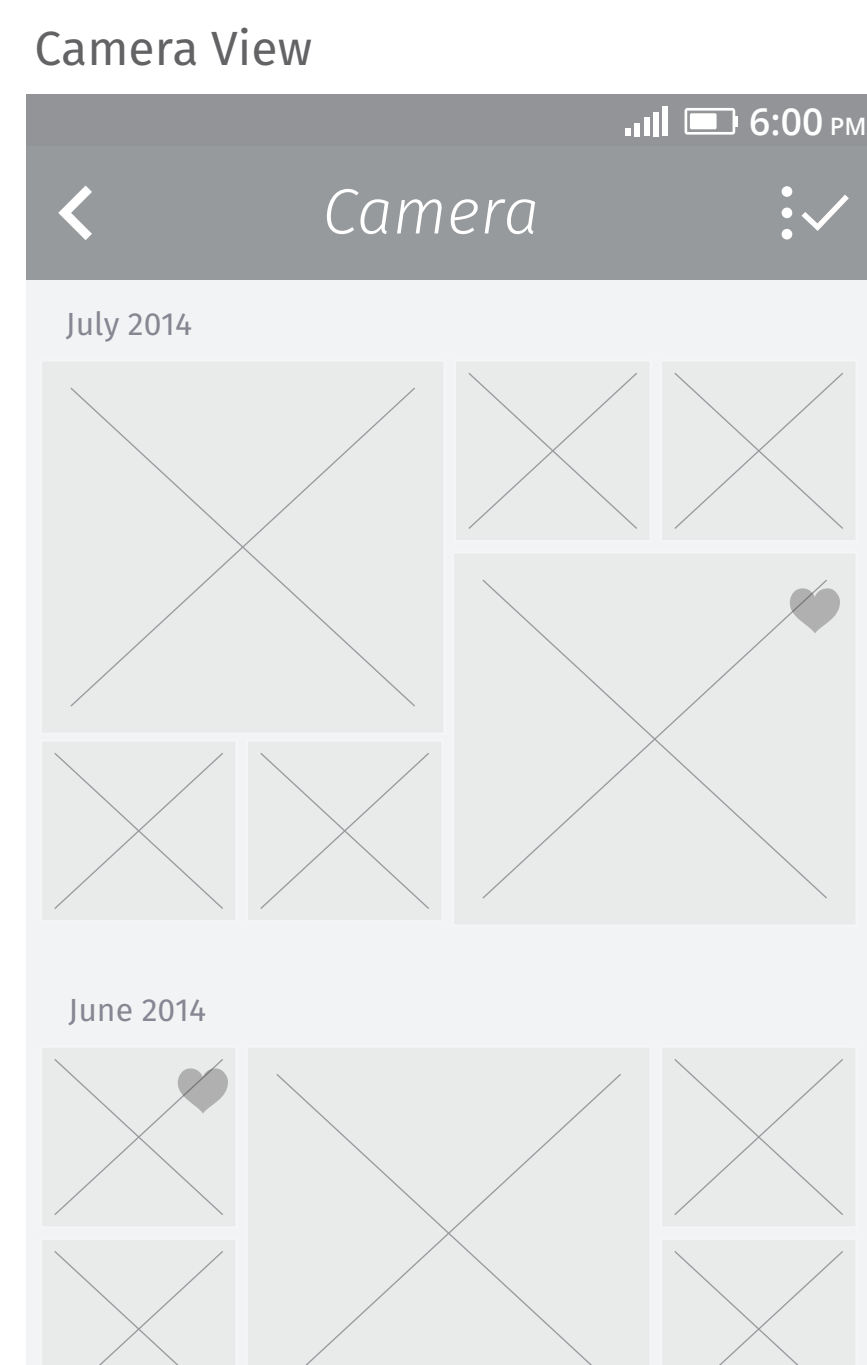
First phase is to use month groupings like today's Gallery app.

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

Favorites View
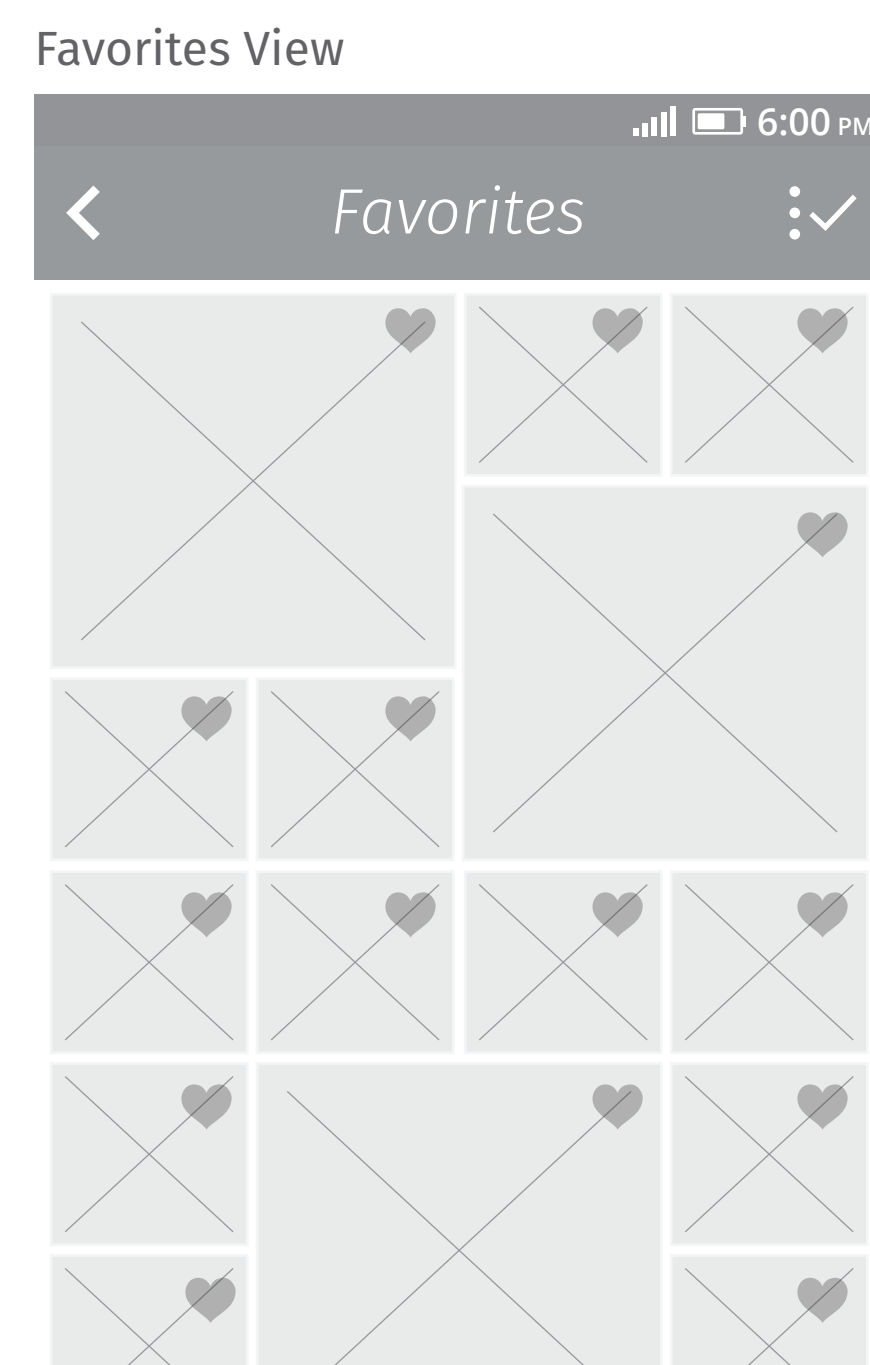
Favorites

Organization is according to timestamp not when it was favorited.

Screenshot View

Screenshots

Shows all screenshots taken.
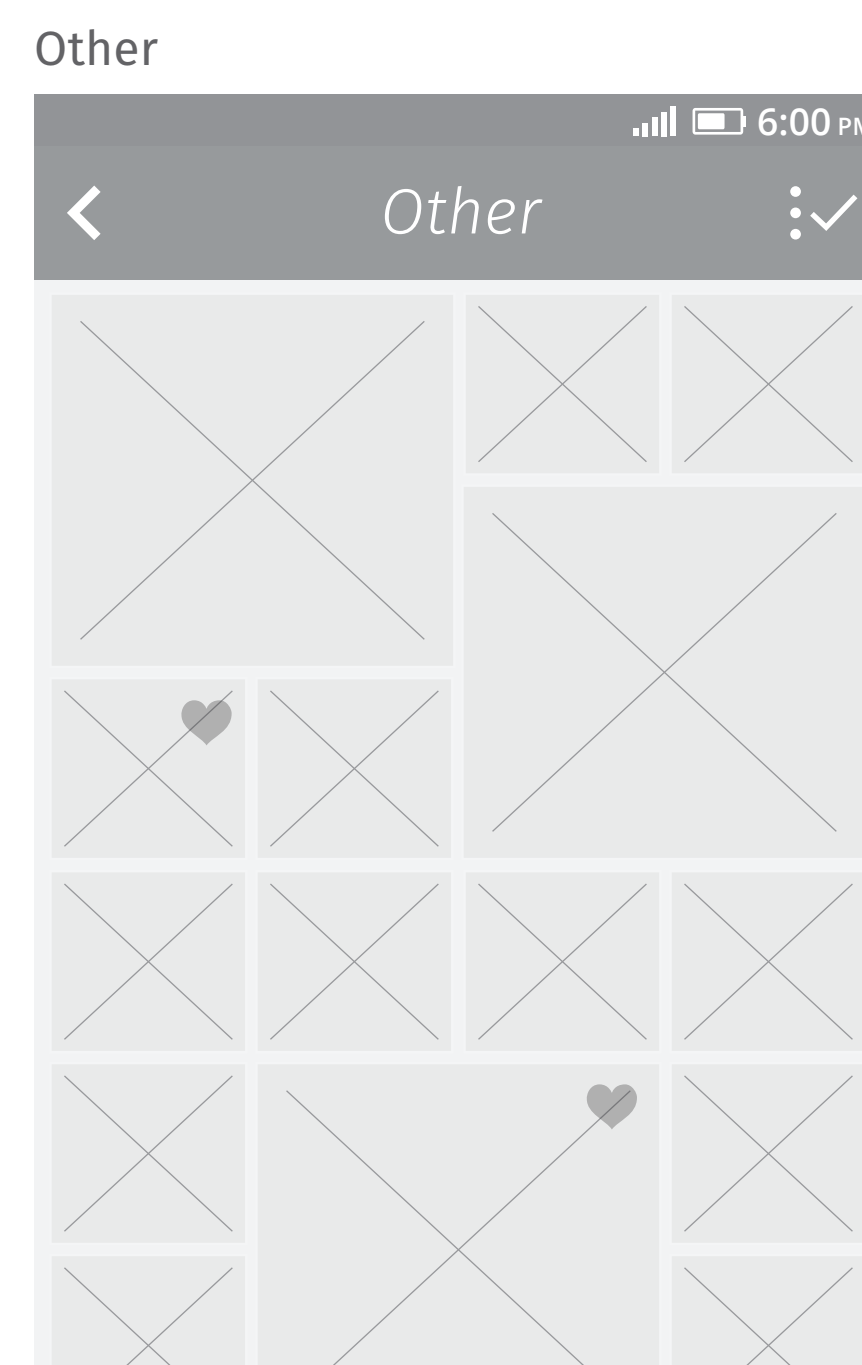
Other

Other

This contains all Other items 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.
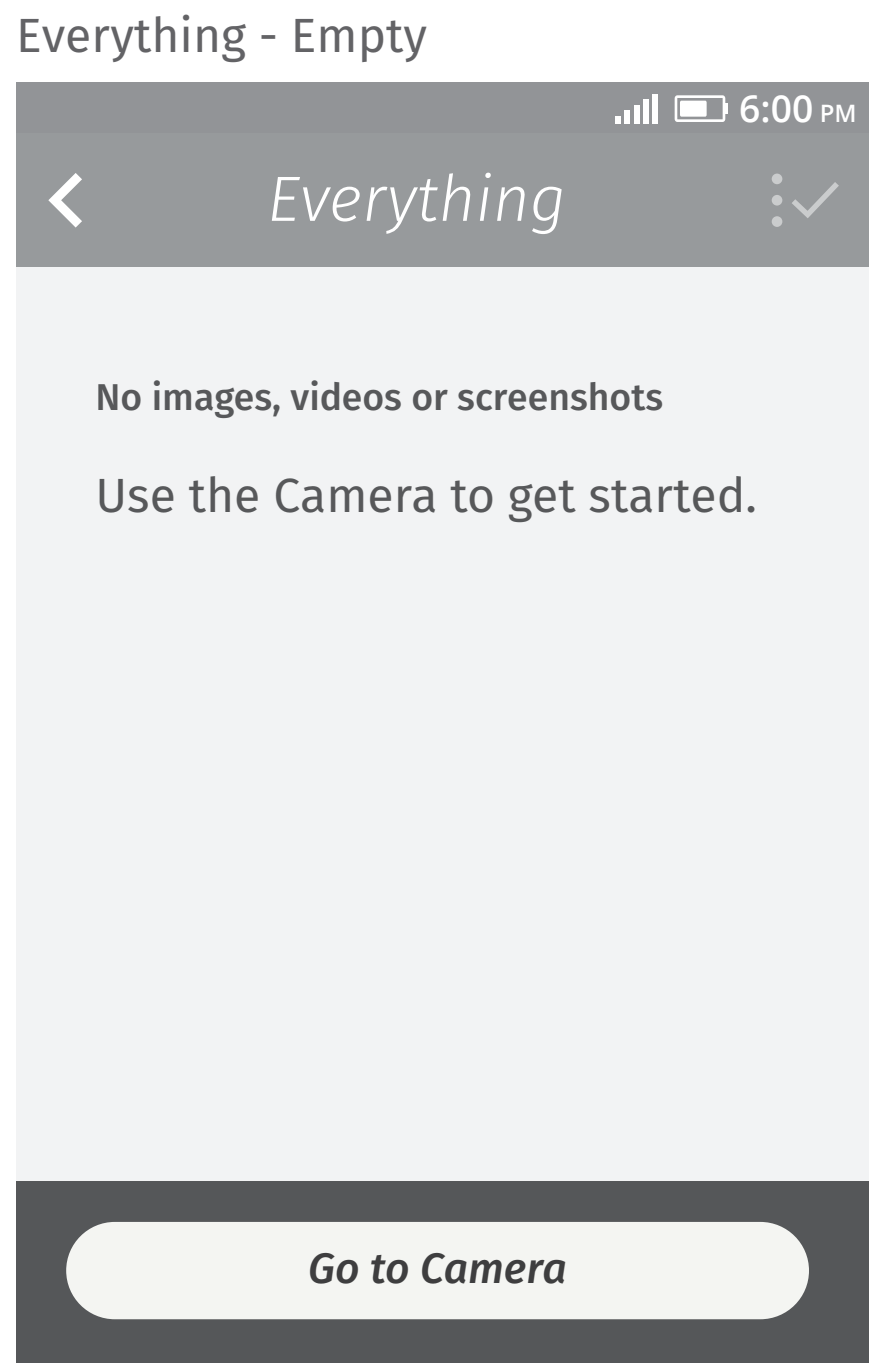
A **Grouping by Time: Month**
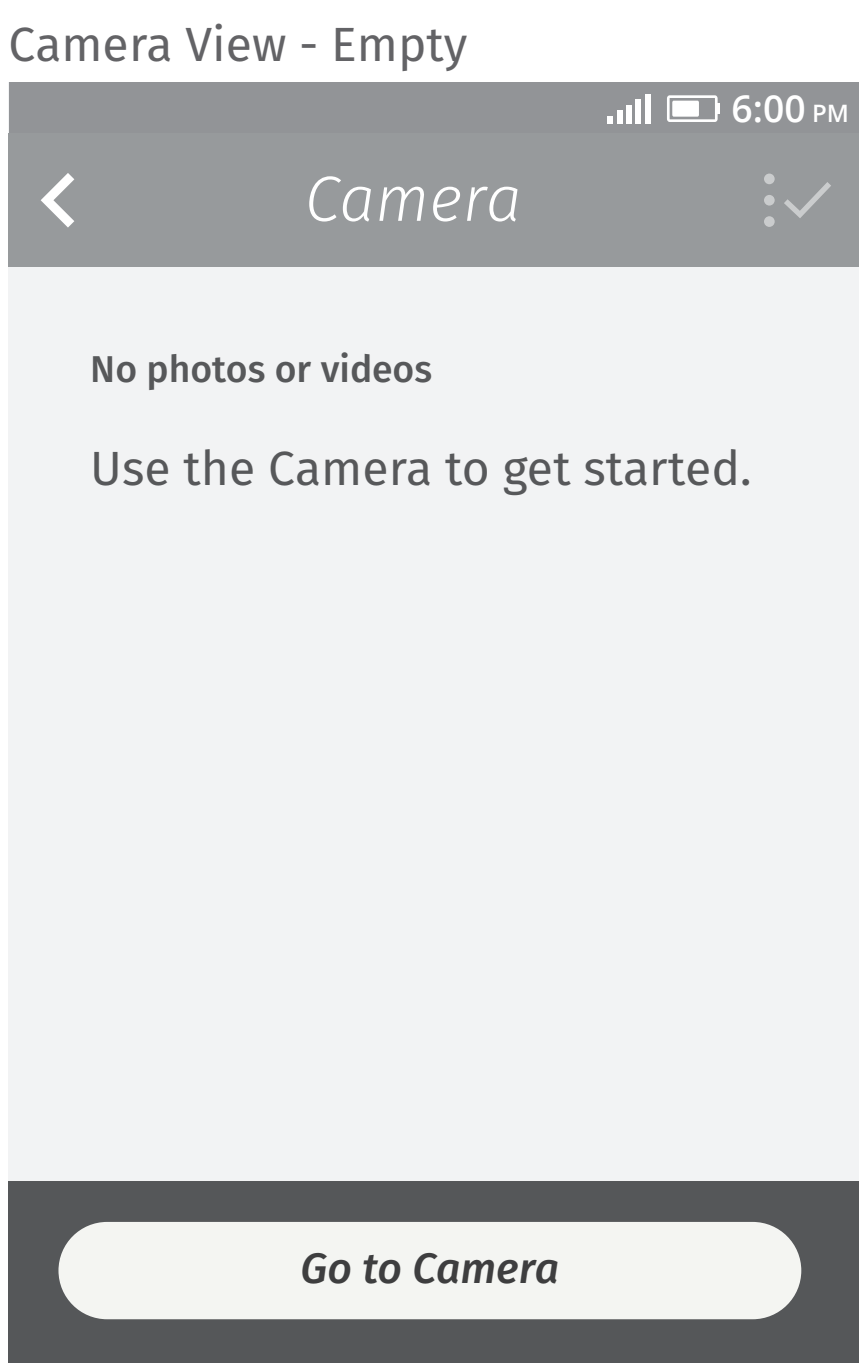Show images by month, behaves as previous release

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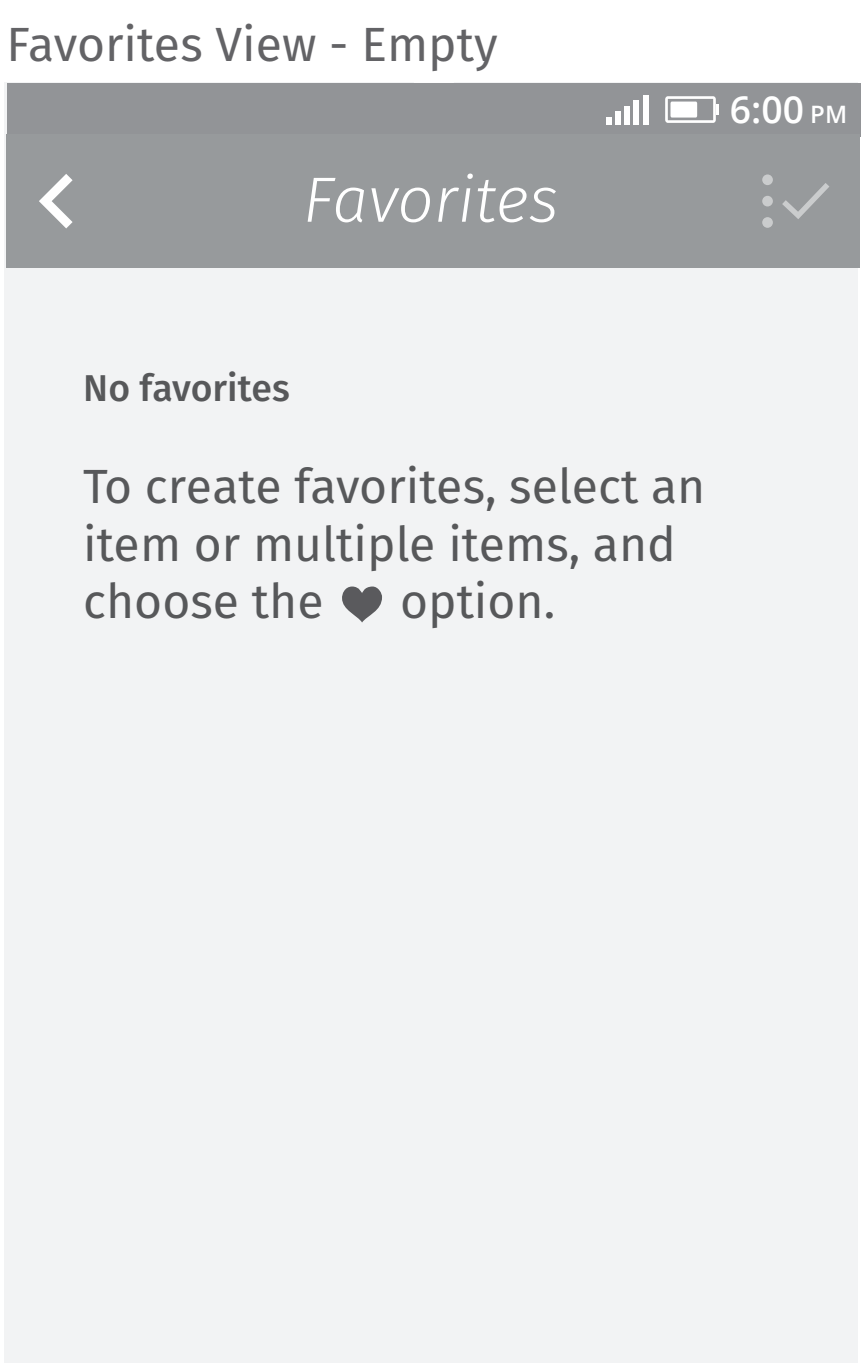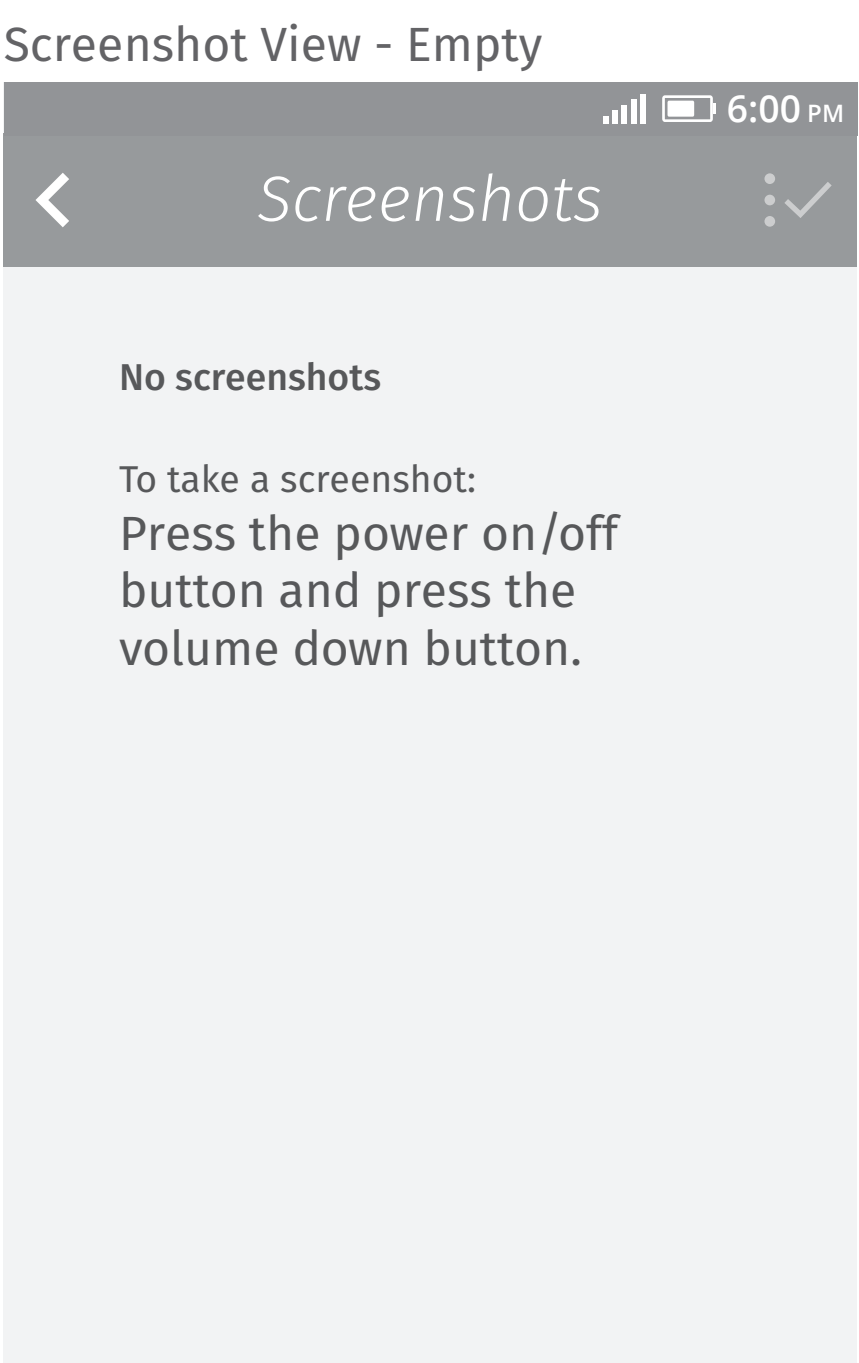
Firefox OS

Gallery Sub-View - Details

Everything - Empty

📶 🔋 6:00 PM
‹ *Everything* ⋮ ✓

No images, videos or screenshots

Use the Camera to get started.

[Go to Camera]

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

Camera View - Empty

📶 🔋 6:00 PM
‹ *Camera* ⋮ ✓

No photos or videos

Use the Camera to get started.

[Go to Camera]

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

Favorites View - Empty

📶 🔋 6:00 PM
‹ *Favorites* ⋮ ✓

No favorites

To create favorites, select an item or multiple items, and choose the ♥ option.

When Favorites stream is empty display a How-To message

Screenshot View - Empty

📶 🔋 6:00 PM
‹ *Screenshots* ⋮ ✓

No screenshots

To take a screenshot:
Press the power on/off button and press the volume down button.

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

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

Other - Empty

📶 🔋 6:00 PM
‹ *Other* ⋮ ✓

No images or videos

This folder will display images saved from Email and SMS, as well as images downloaded from the browser and other apps on your phone.
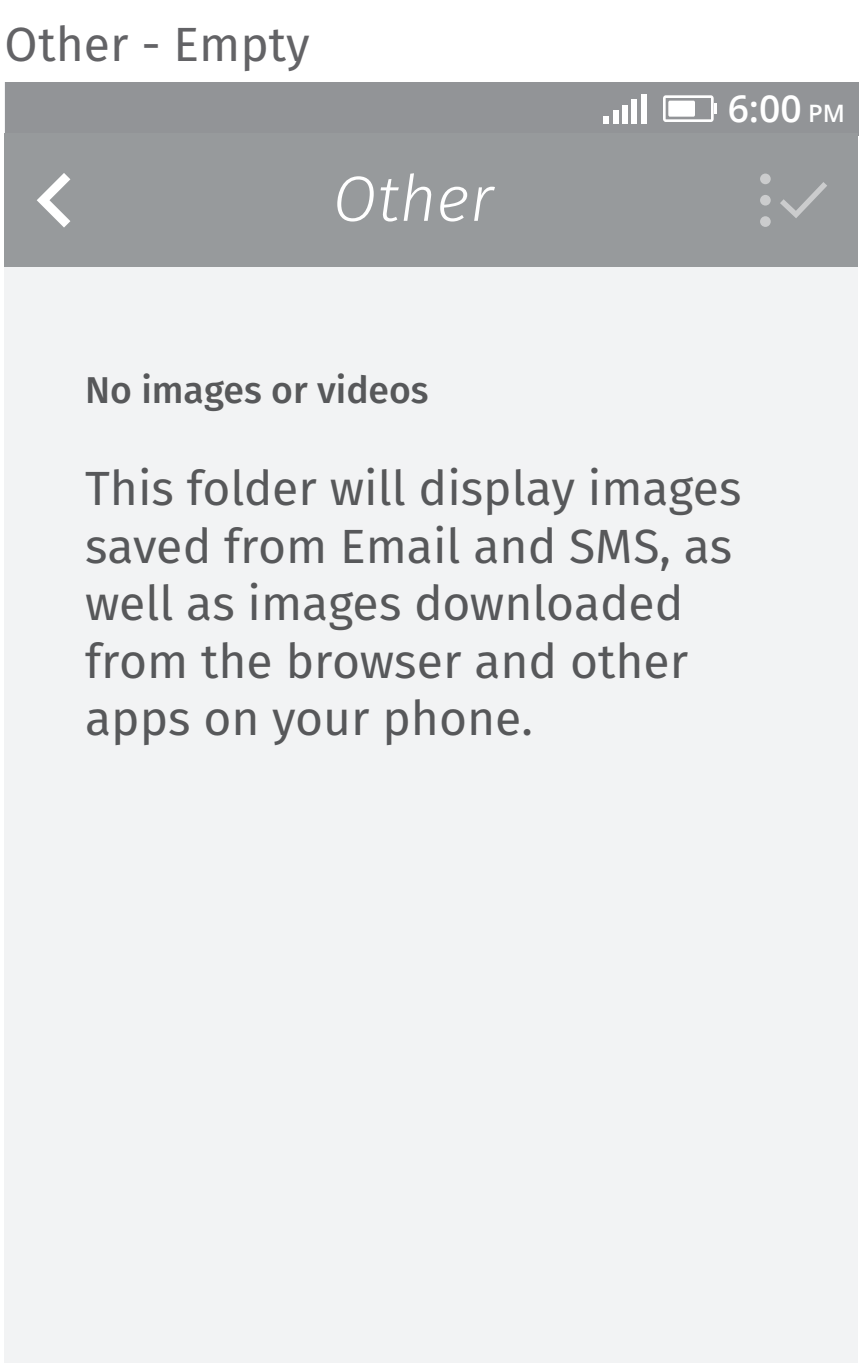
When Other folder is empty display message to explain the contents of this folders

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

Firefox OS

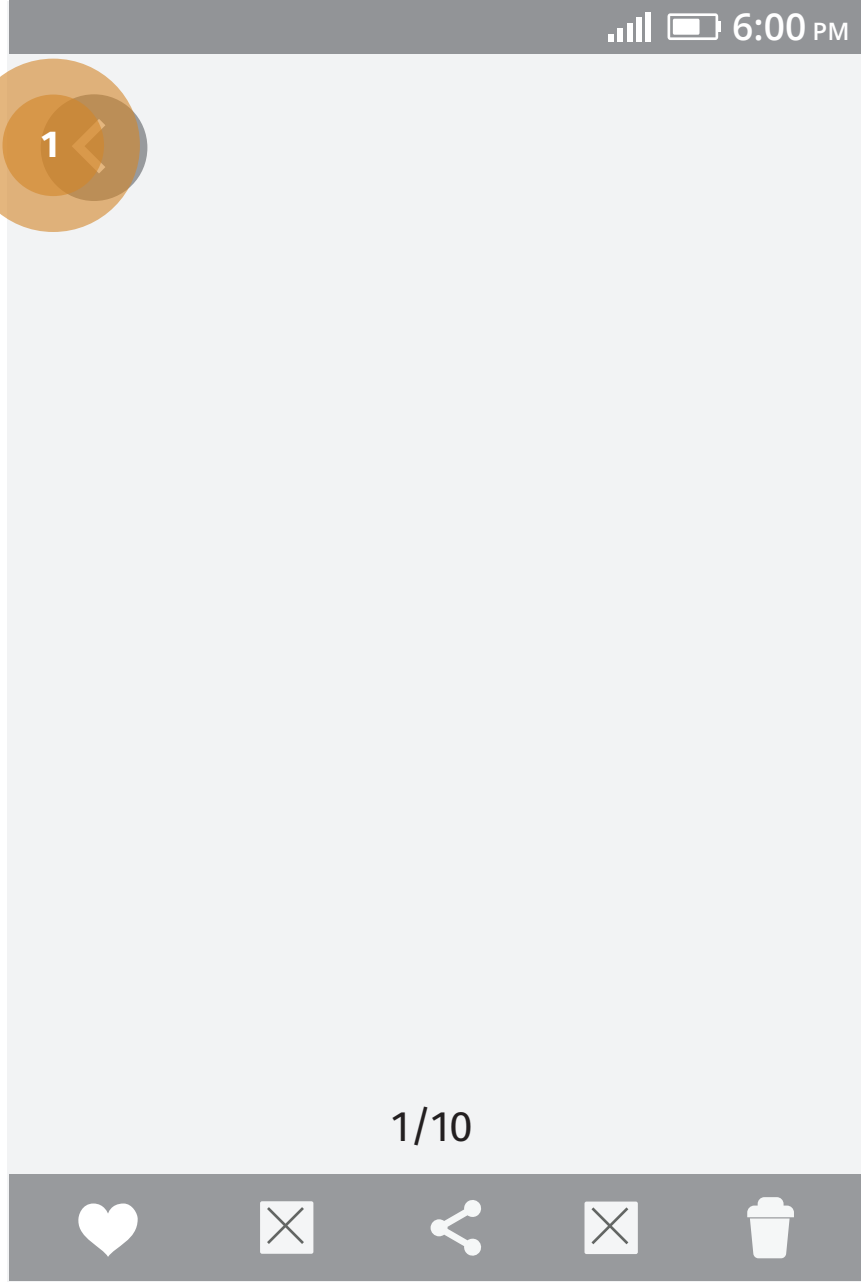# Navigating Between Views - Flow

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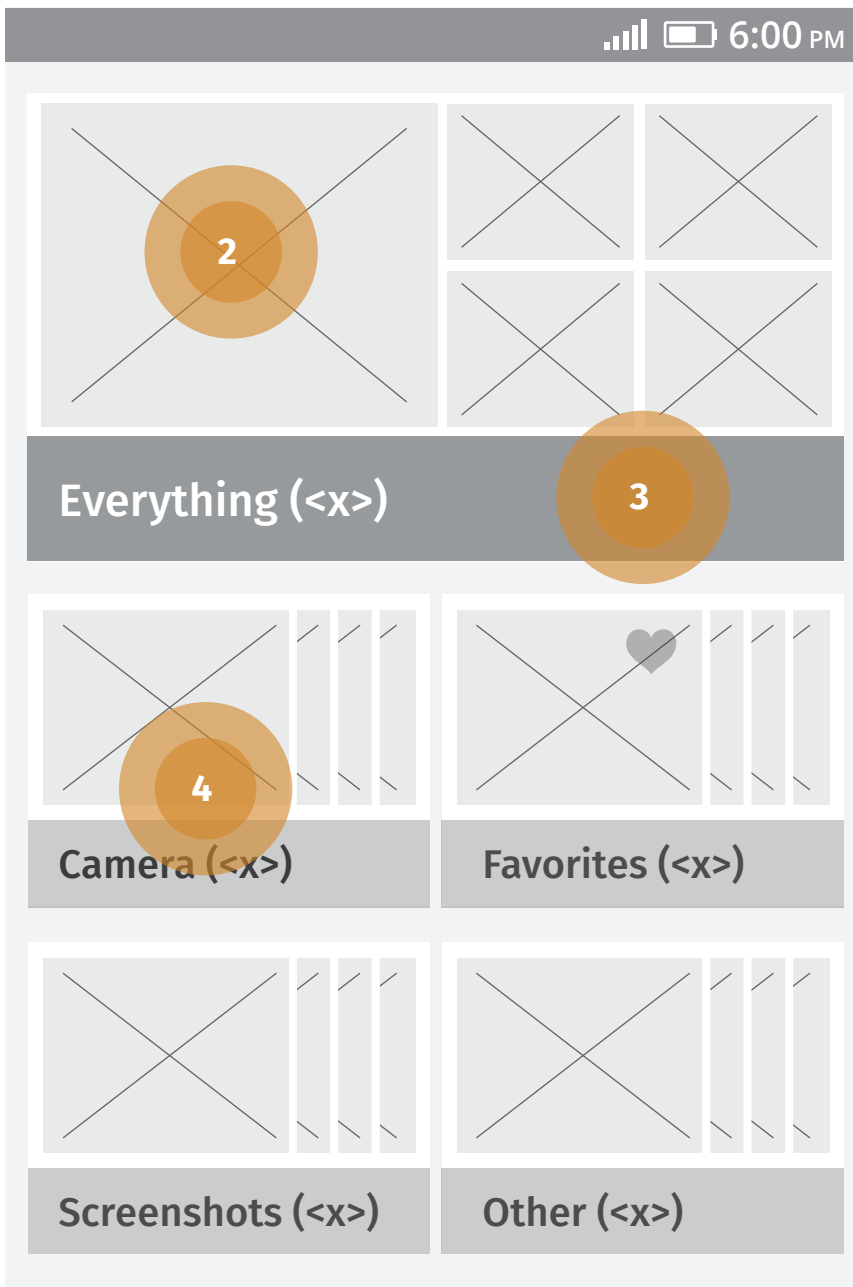
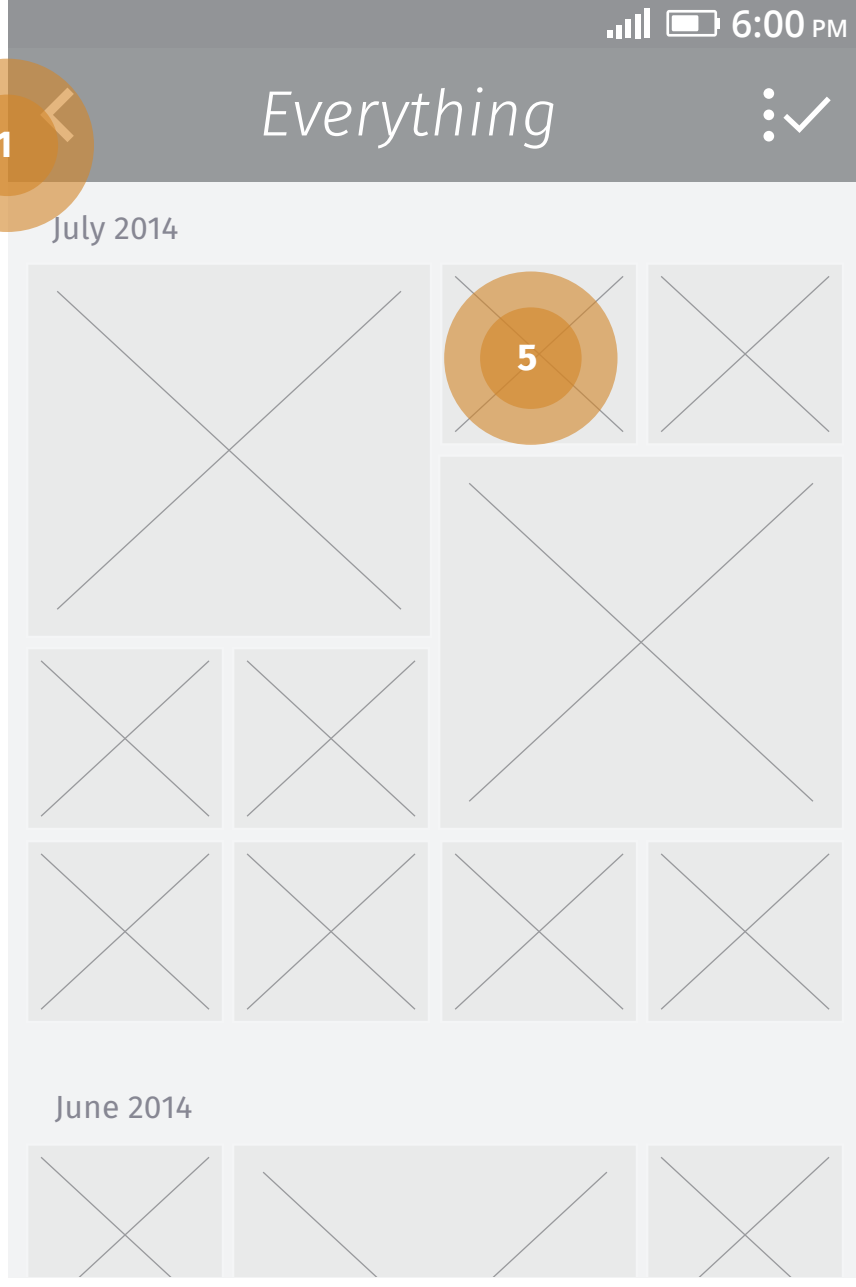Tapping an individual image in the Everything stream takes user to 2. Single Item View

Tapping Everything bar takes user to 3. Everything Sub View

2. Single Item View

Tapping the Back arrow returns to 1. Main Gallery View
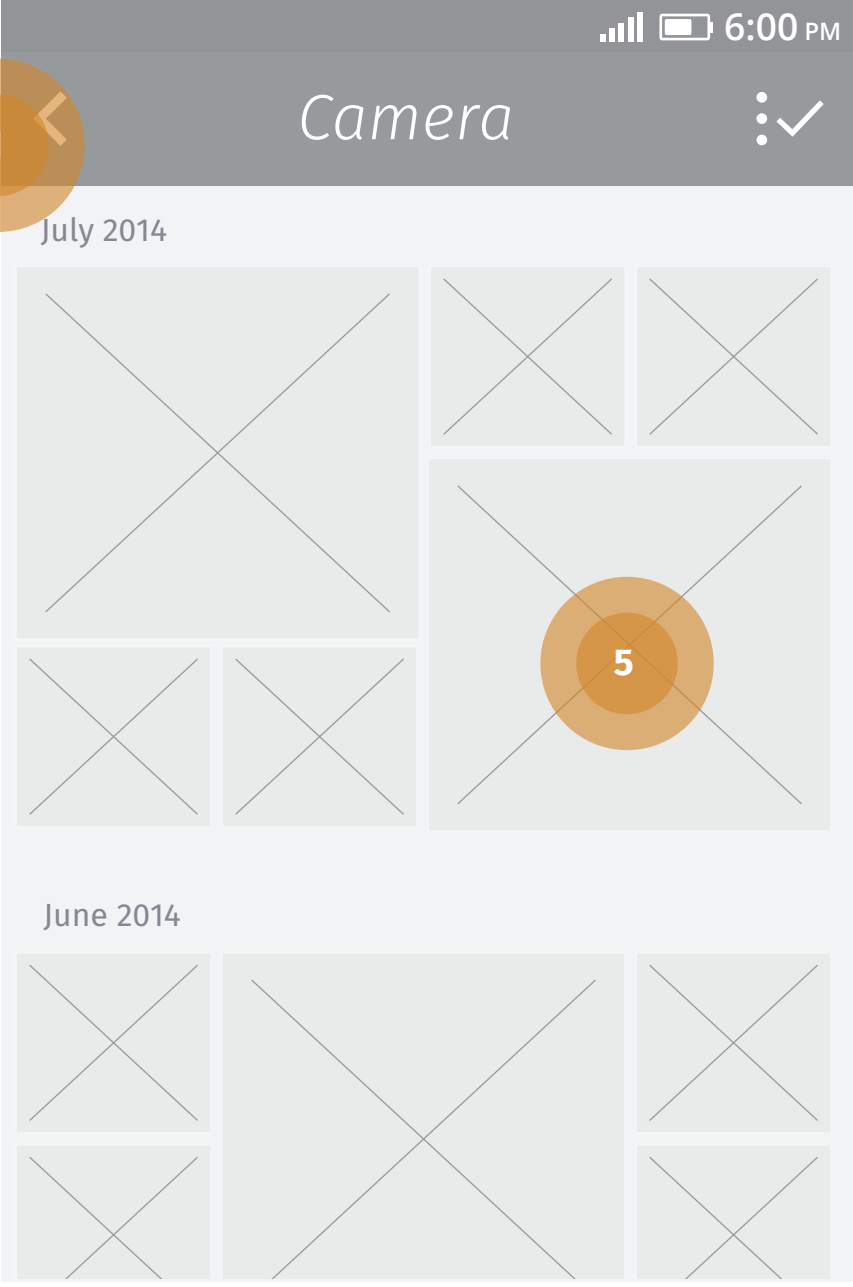
3. Everything: Sub View

Applies to all folder views

Tapping back arrow returns user to 1. Main Gallery View

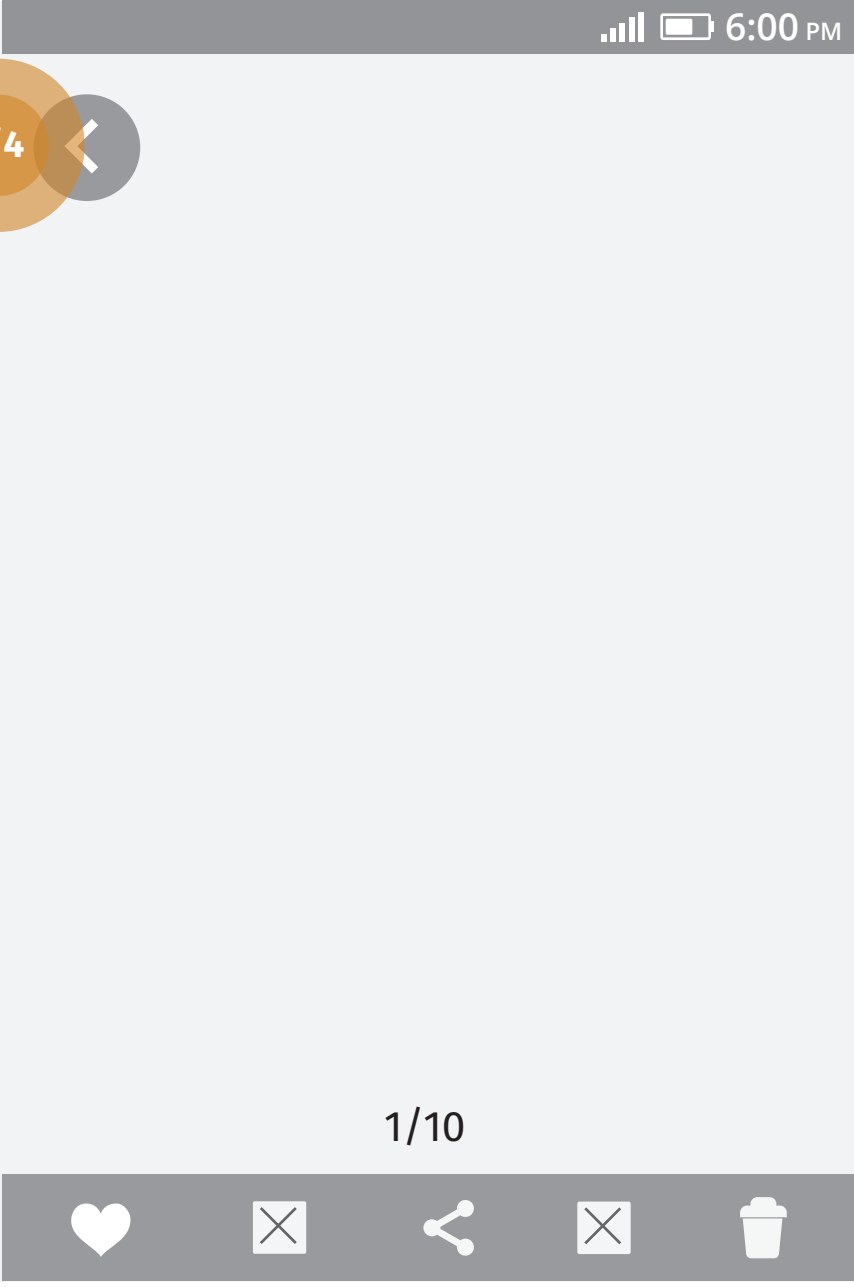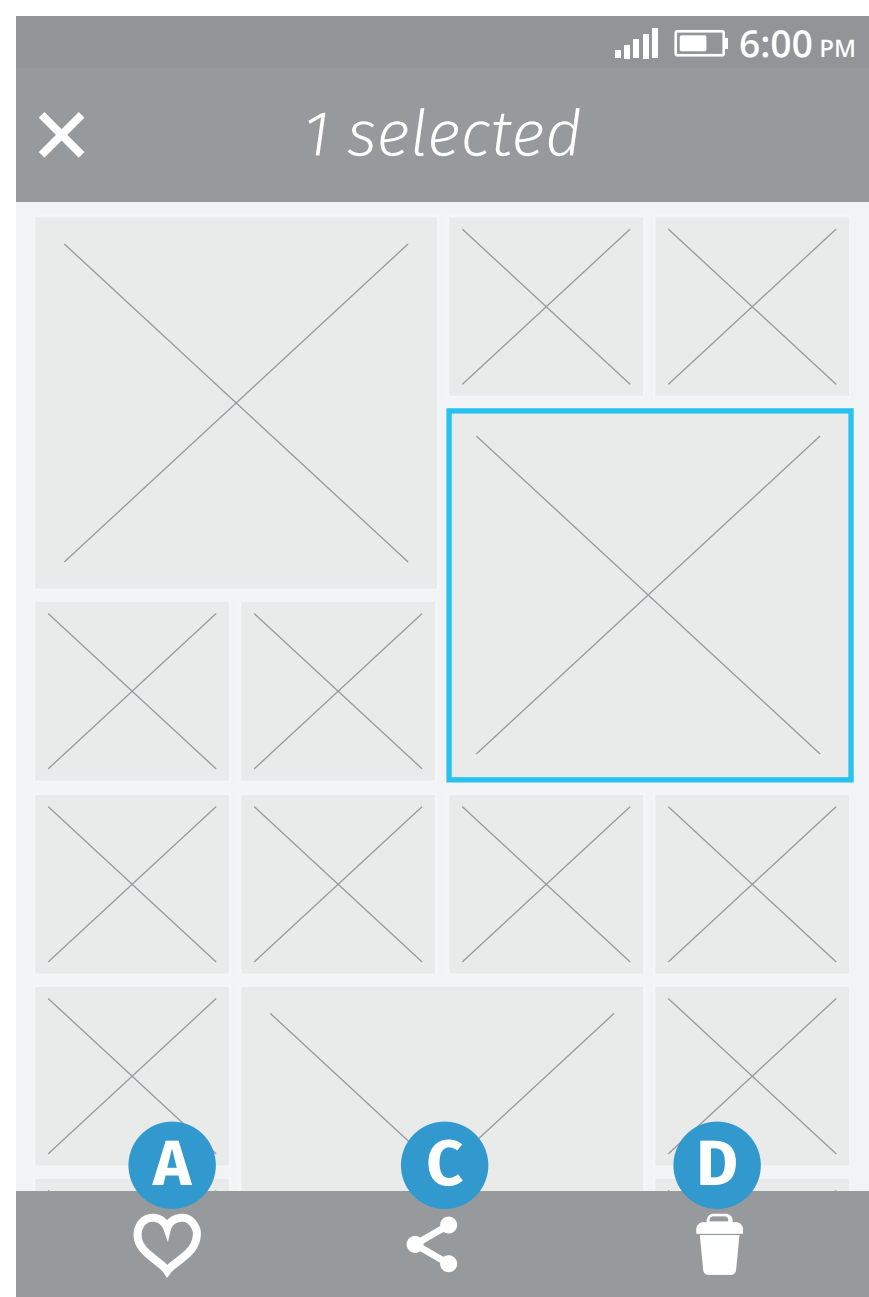Tapping a single image takes user 4. Single Image View

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

Firefox OS

Multi-Select

Multi-Select - Details

Multi-Select

Applicable to all views but Favorites.

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

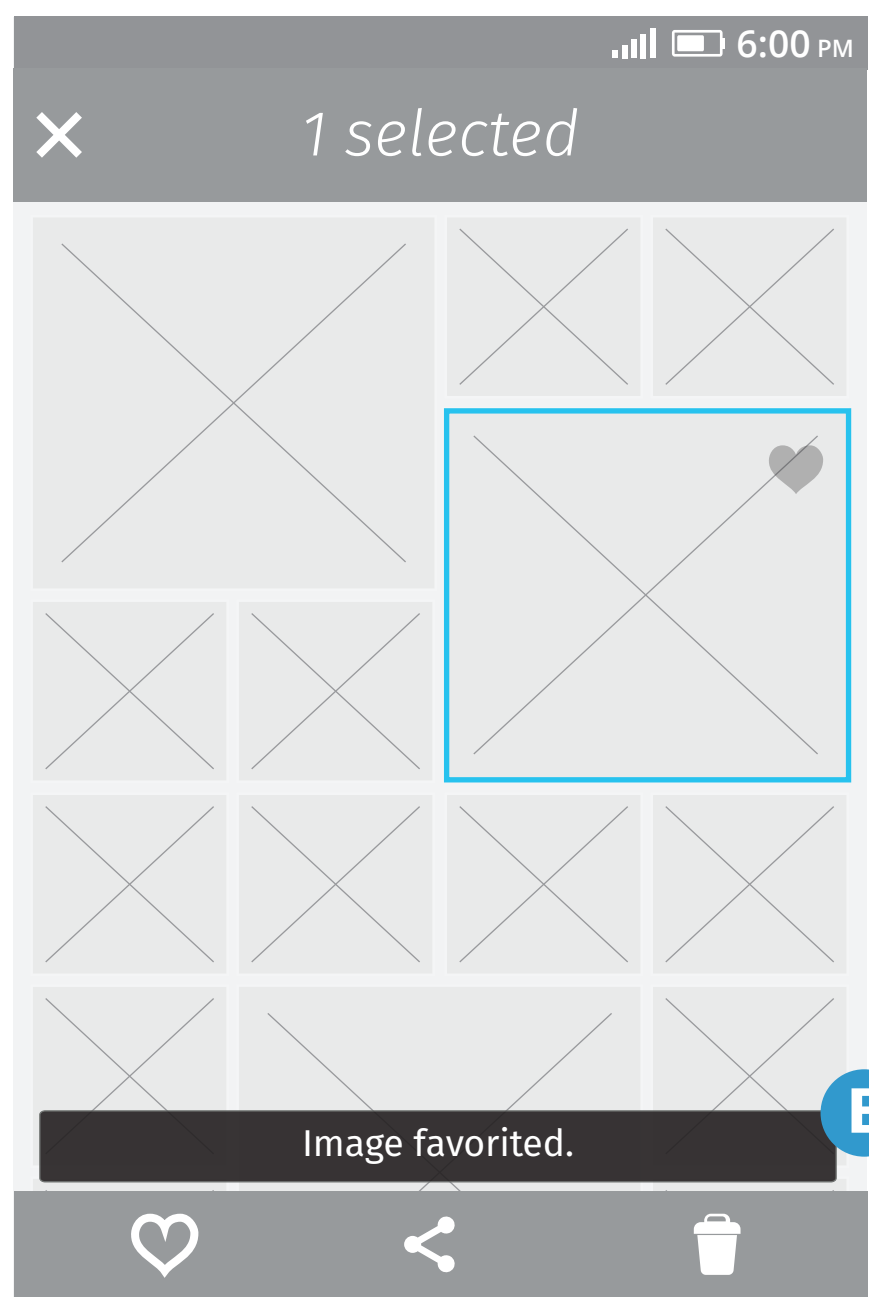Note: icon order in toolbar reflects the same order in the Single Image toolbar

Favorites - Multi-Select
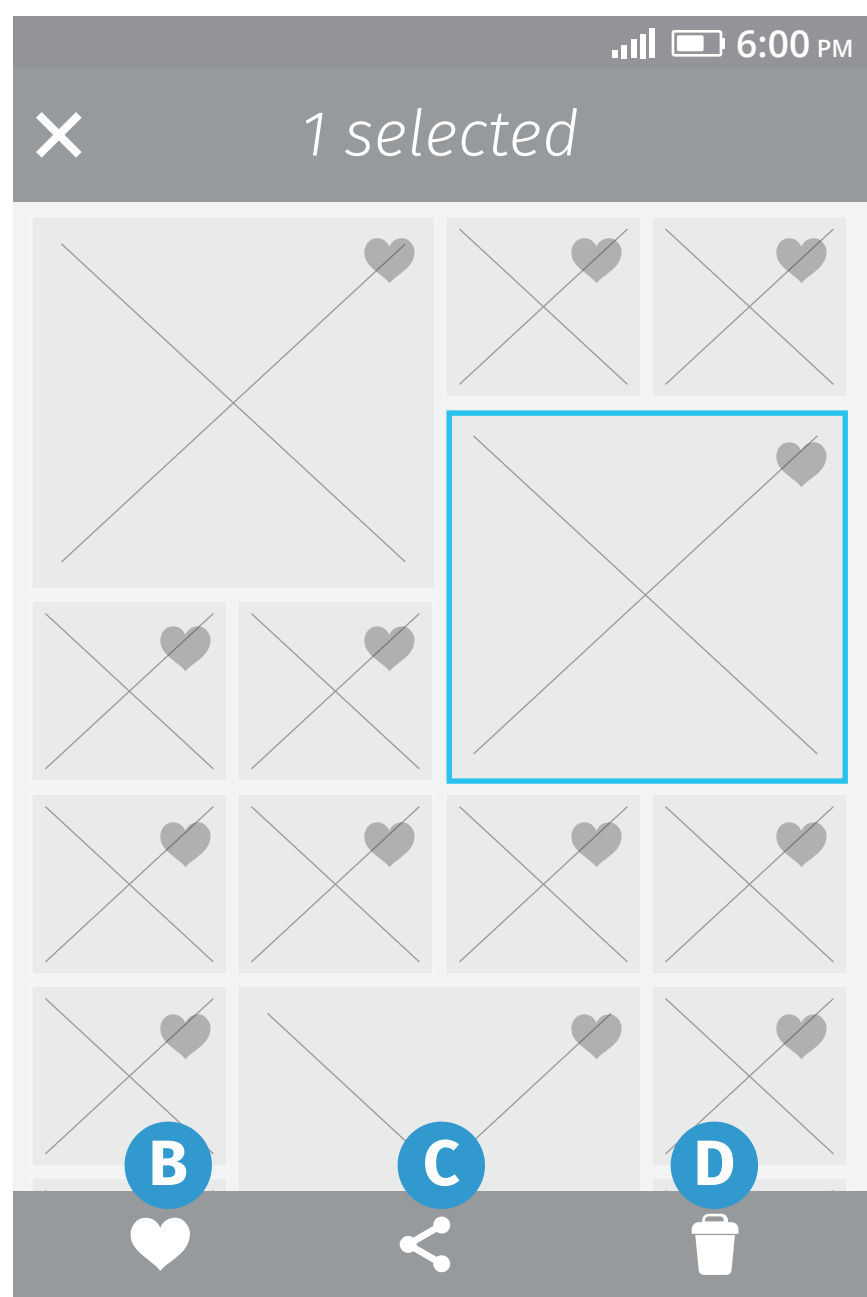
Only applicable to Favorites view.

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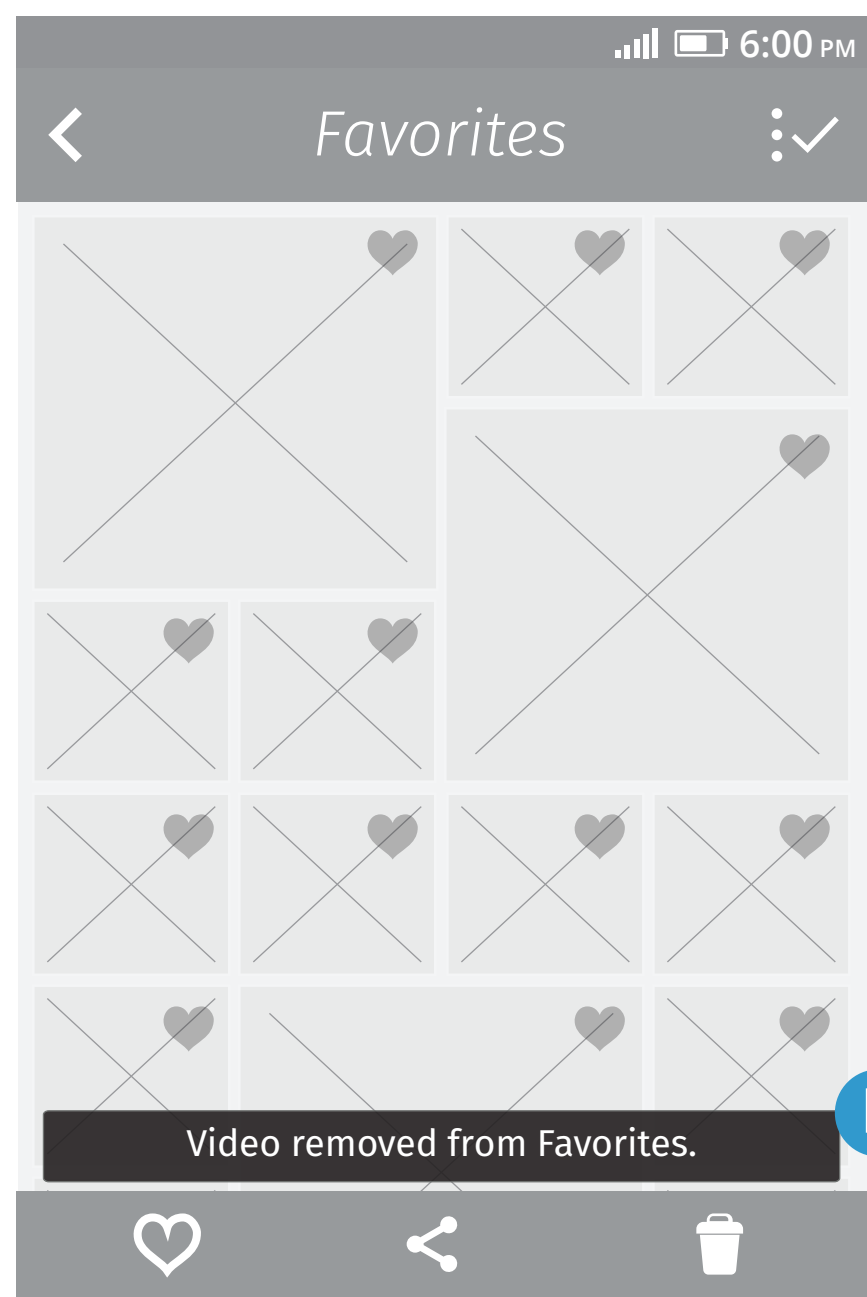
Confirmation Banner

Strings -
Images favorited.
2 images favorited.
(we know it's an image file type)

Video favorited.
2 videos favorited.
(we know it's a video file type)

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

Confirmation Banner

Strings -
Image removed from Favorites.
2 images removed from Favorites.
(we know it's an image file type)

Video removed from Favorites.
2 videos 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).
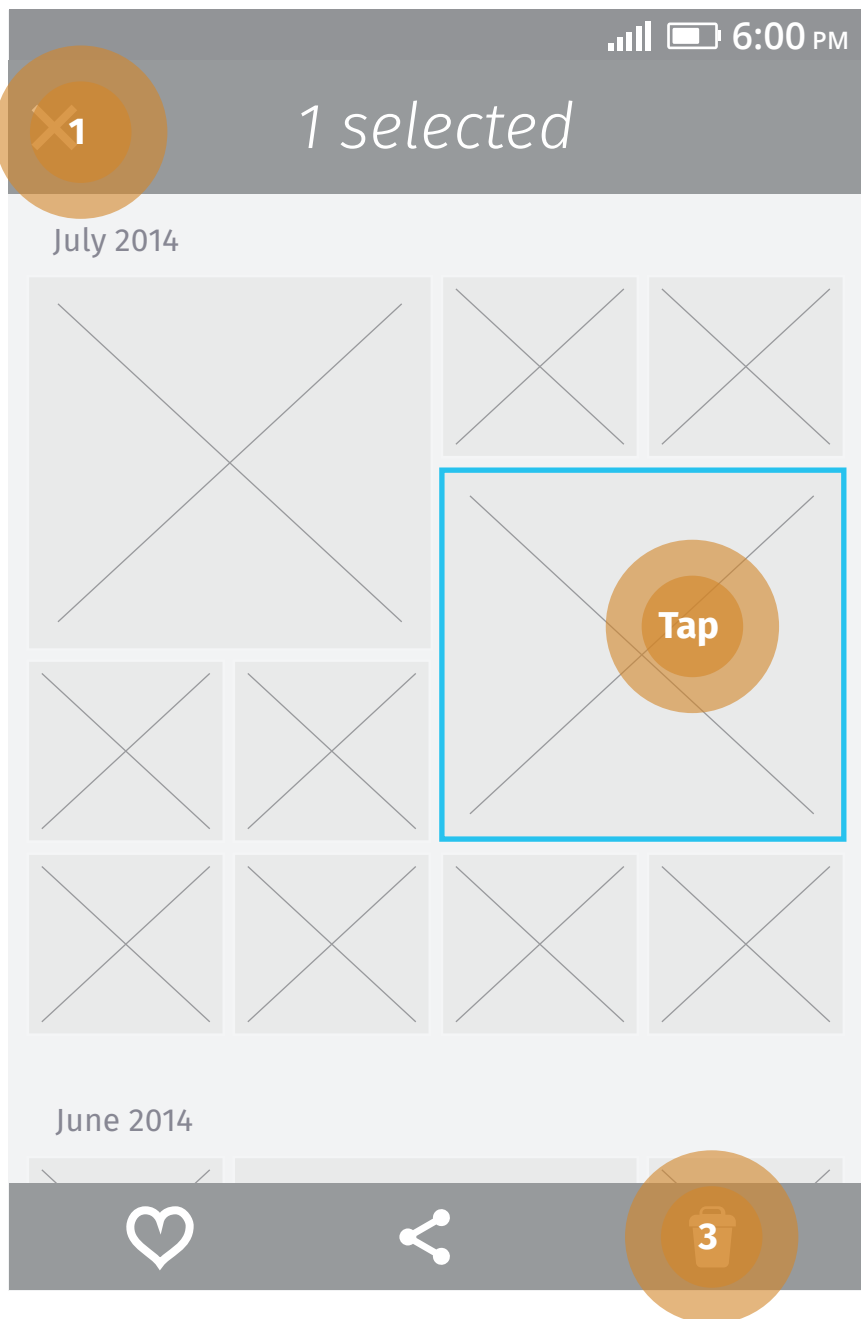
Multi-Delete - Flow

1. Sub-View
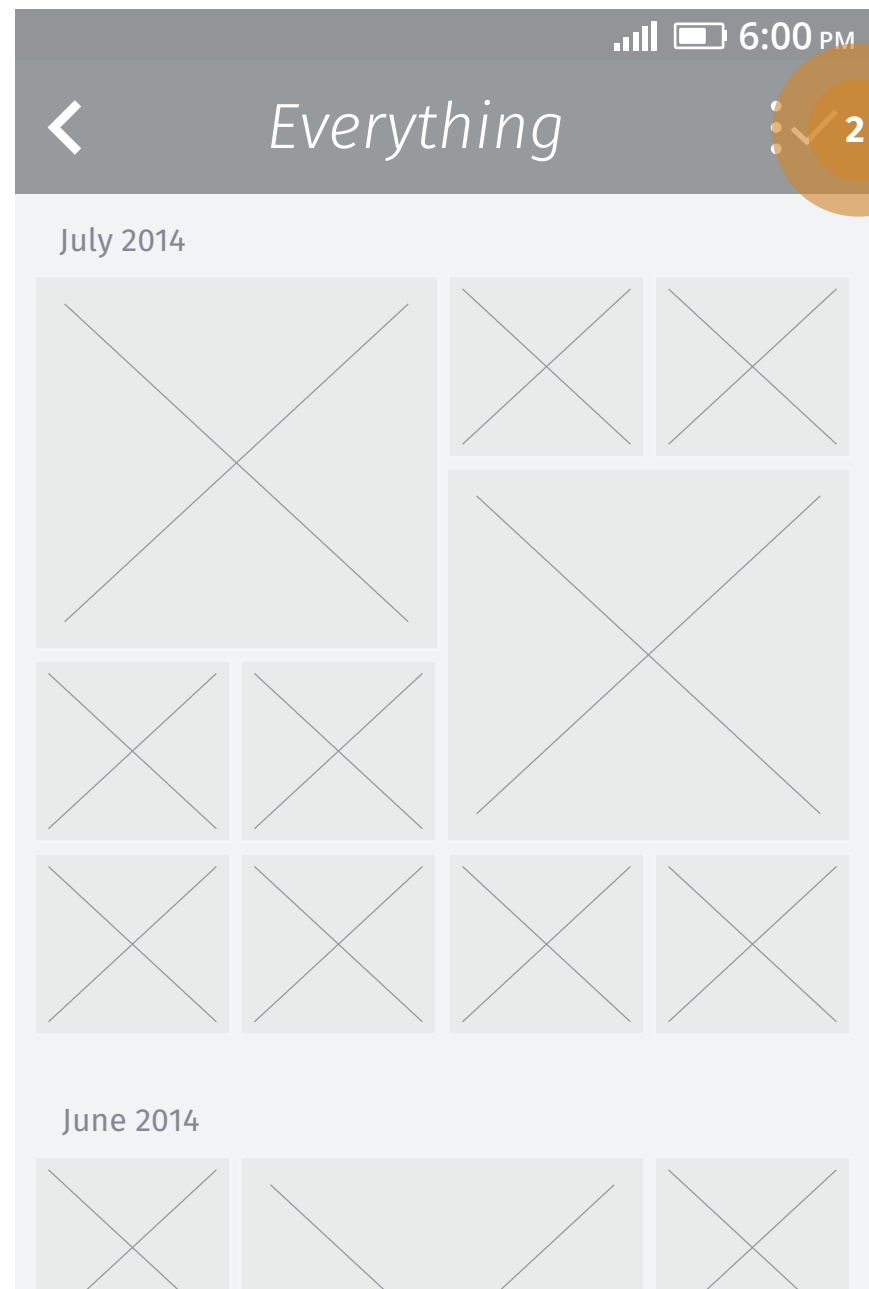
This applies to all sub-views.

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 delete presents a confirmation.

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

3. Delete

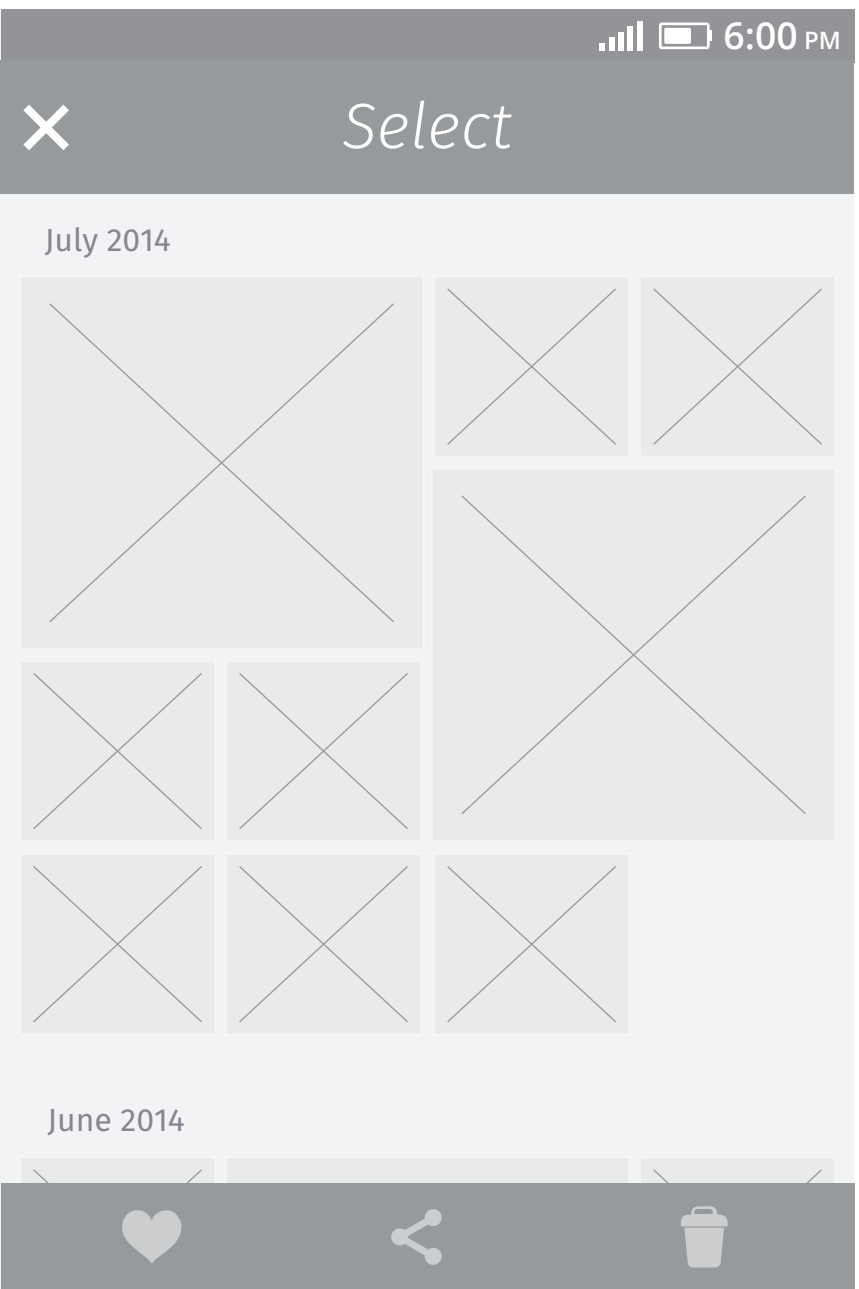Tapping cancel exits multi-select mode with no further action taken.

Tapping delete, deletes the selected items.

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

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

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

If mix of photos and videos are to be deleted:
Delete <x> items?
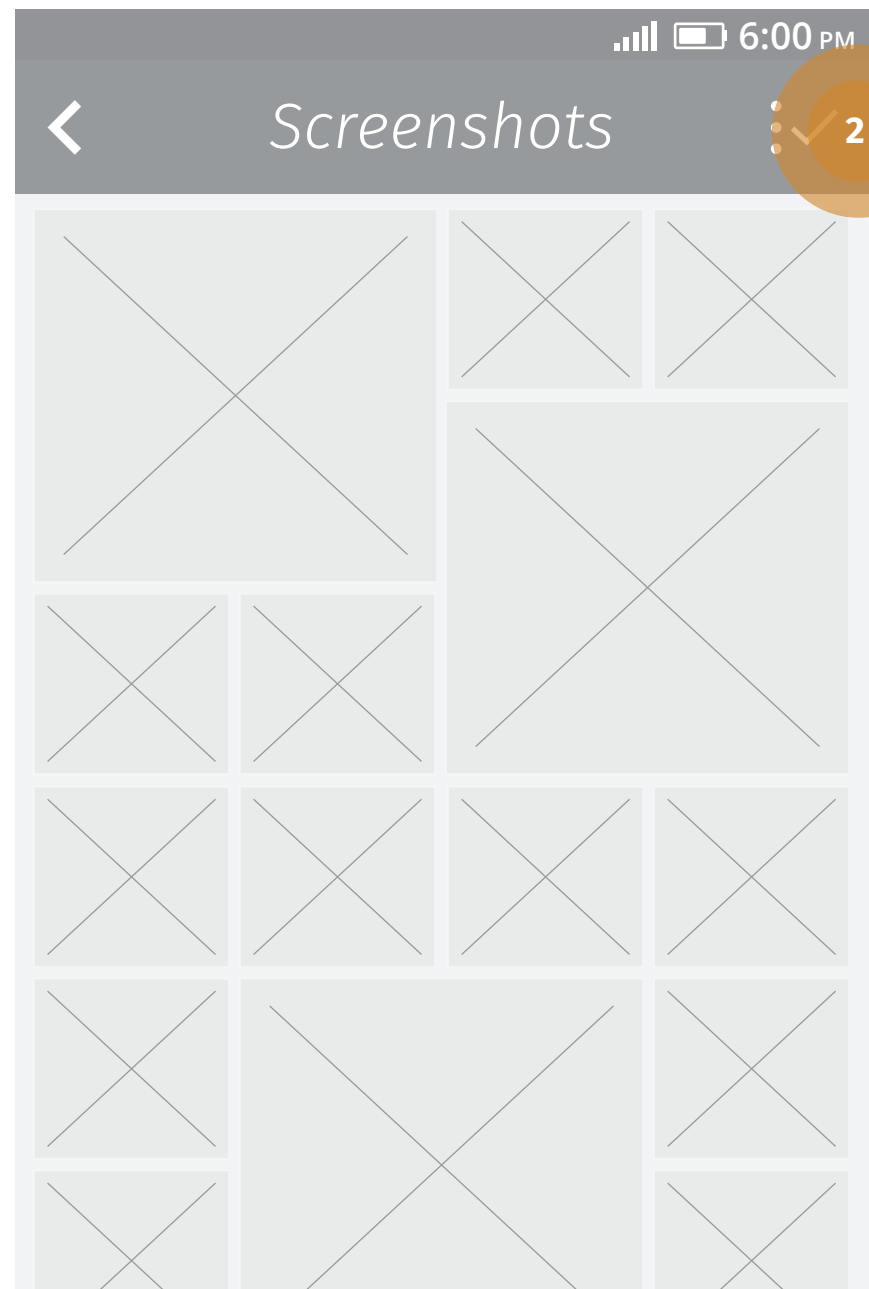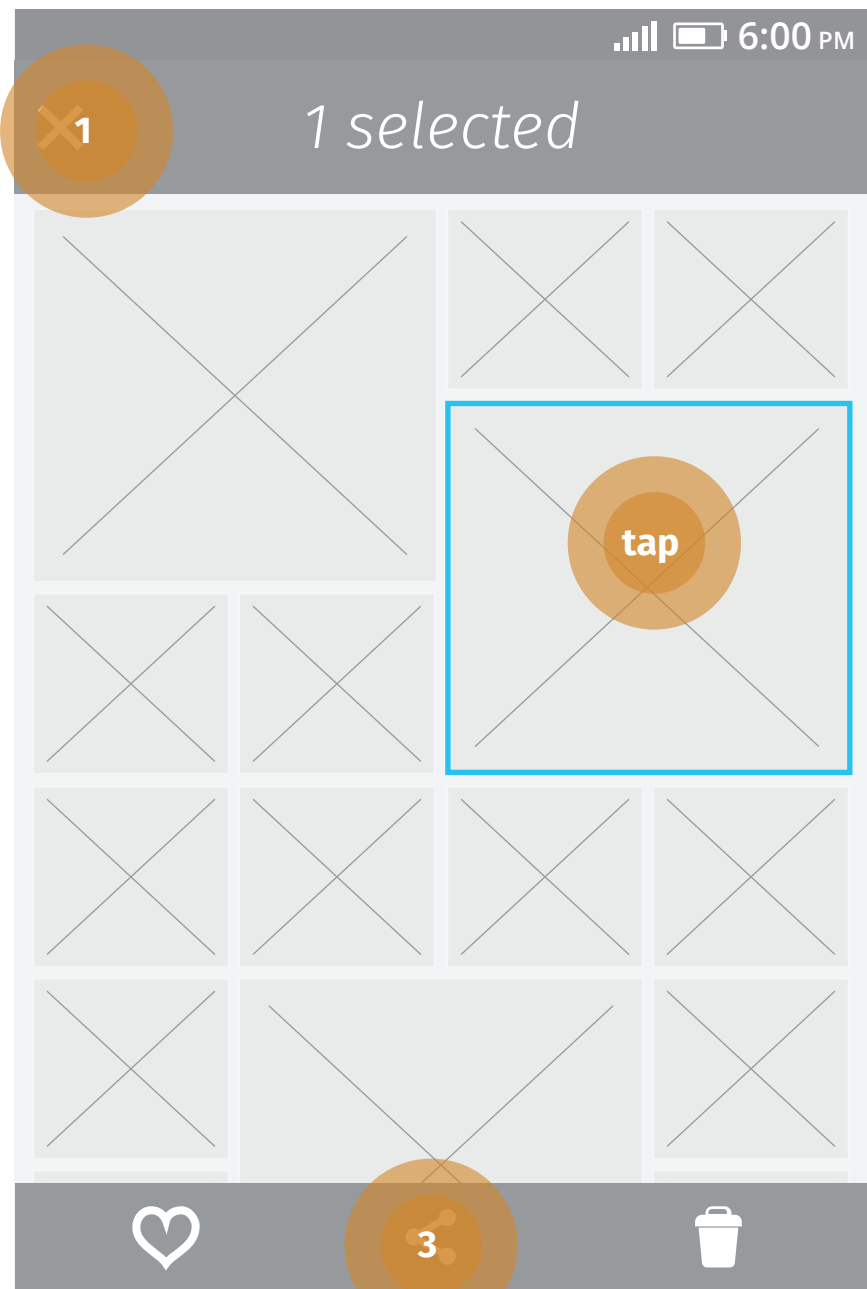
4. Multi-Select

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.

Firefox OS

Multi-Share - Flow

1. Sub-View

< Screenshots ⋮ **2**

6:00 PM

This applies to all sub-views.

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

2. Multi-Select
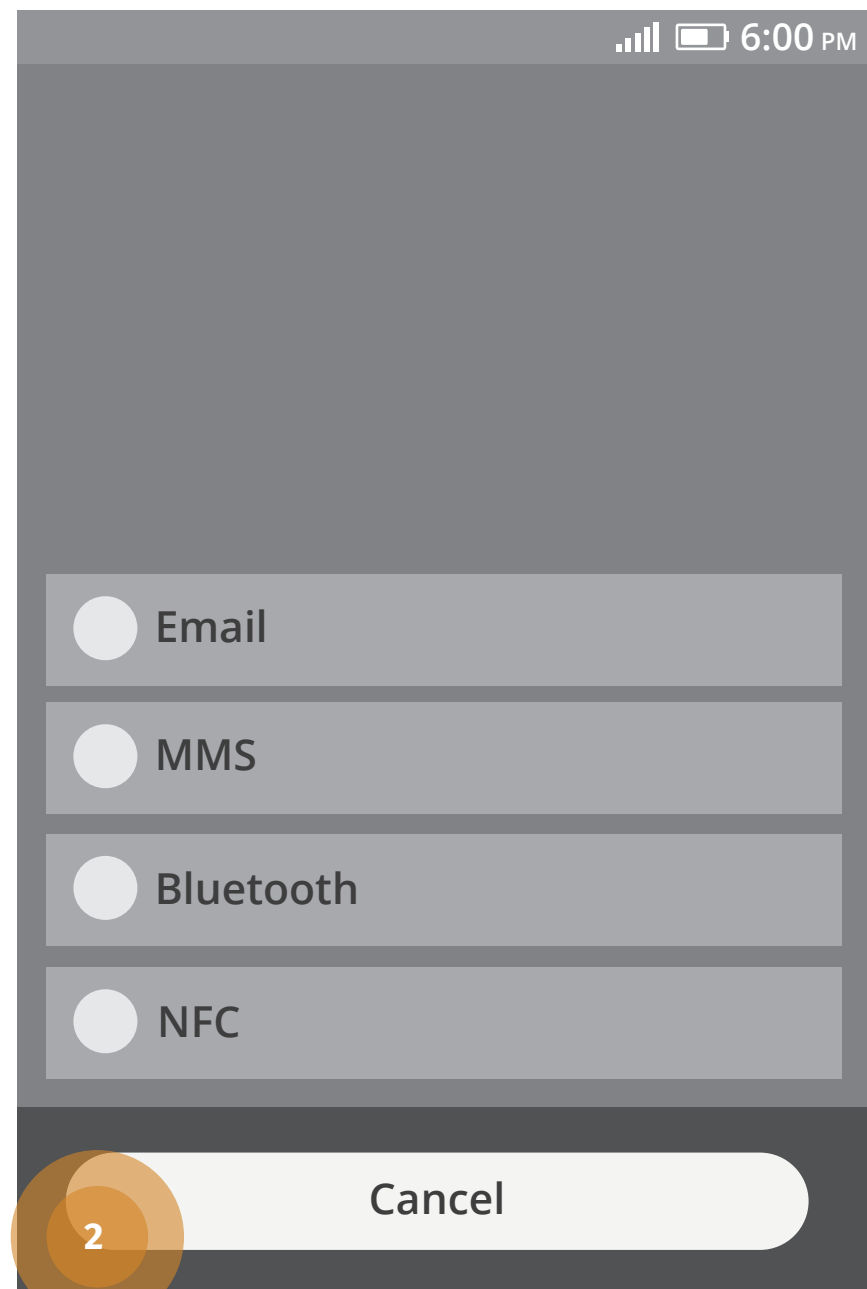
1 **1 selected**

6:00 PM

tap

♡ **3** 🗑

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

6:00 PM

○ Email

○ MMS

○ Bluetooth

○ NFC

2 Cancel

Tapping an option goes into that specific share flow.

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

SHARE FLOW

⟶

Use current UI/flows for sharing options.

Multi-Favorite - Flow
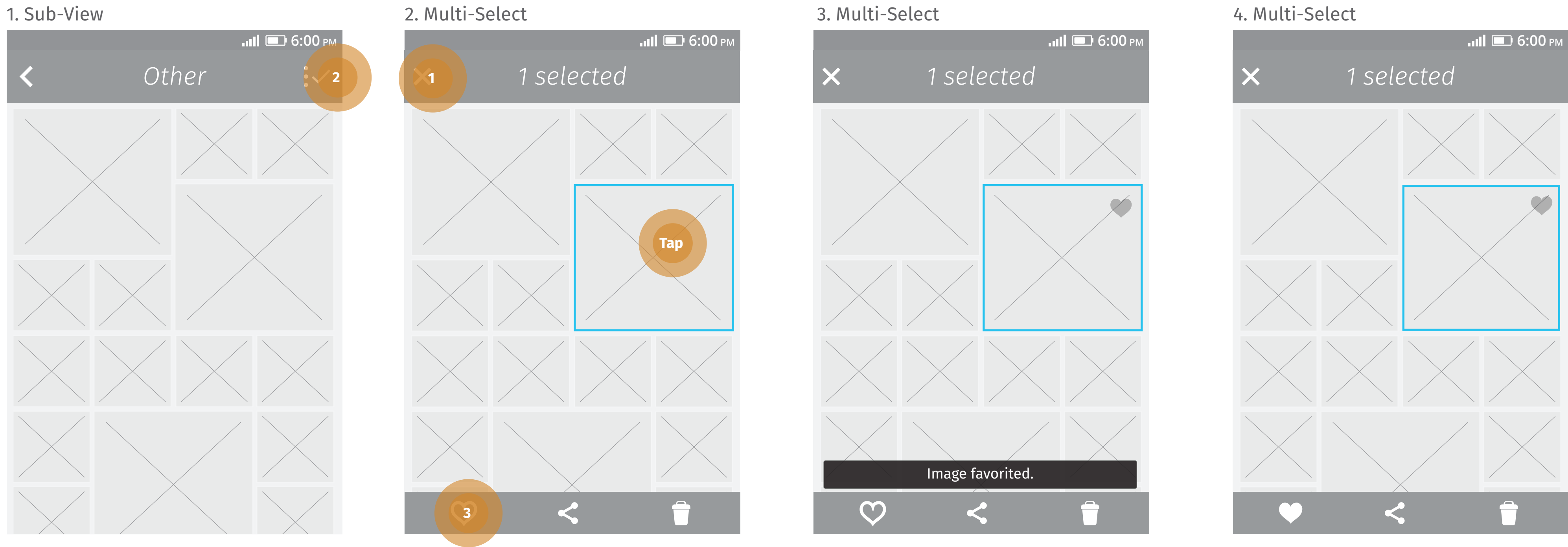
1. Sub-View

| ‹ | Other | ⋮ 2 |

This applies to all sub-views.

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

2. Multi-Select

| ✕ 1 | 1 selected |

Tap

| 3 ♡ | ⌂ share | 🗑 |

Tapping on items selects/deselects.

Tapping cancel exits with no further action taken.

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

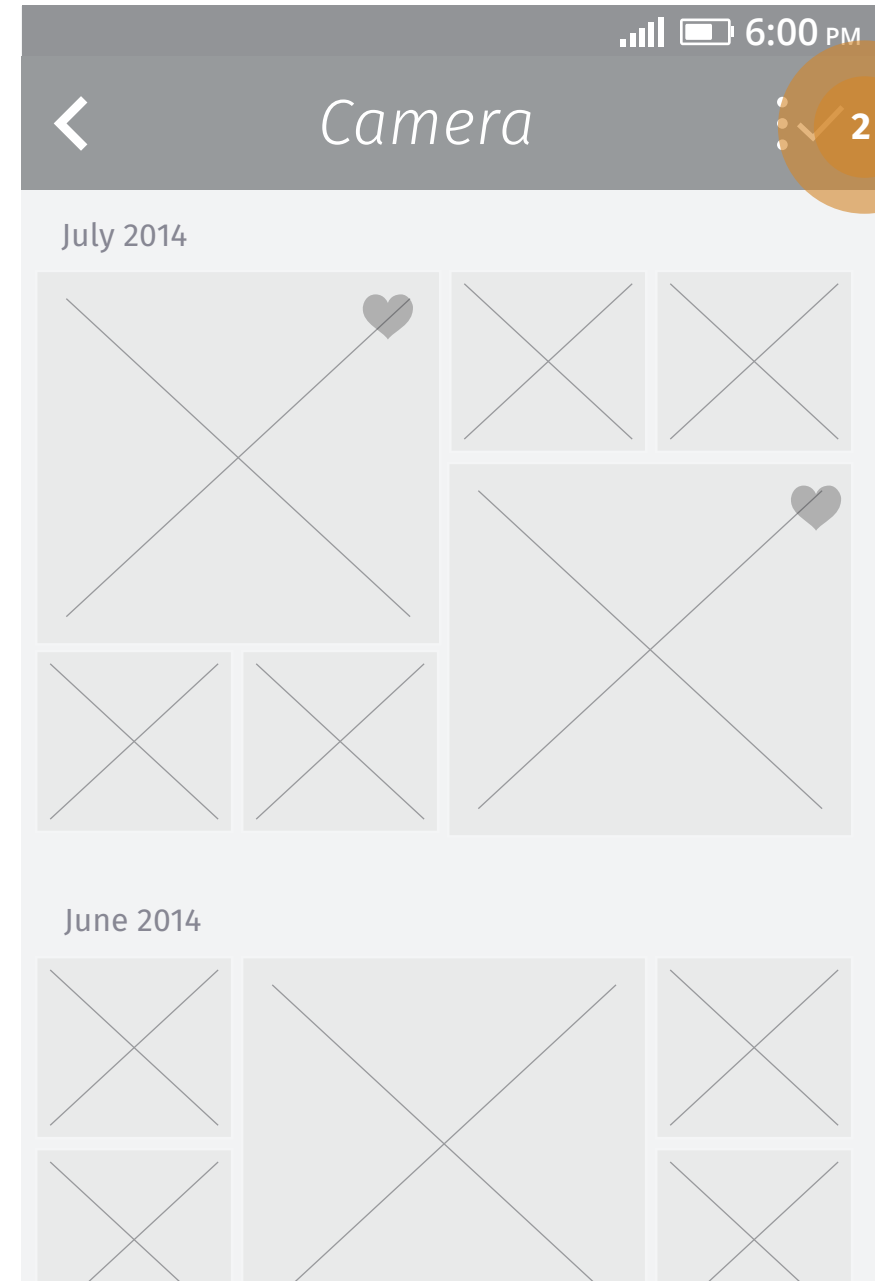Toolbar icons are grayed out until 1 item has been selected.

3. Multi-Select

| ✕ | 1 selected |

Image favorited.

| ♡ | share | 🗑 |

Selected items are favorited with a visual indicator. A confirmation banner is shown. Banner fades away in 2 seconds.

Items stay selected

4. Multi-Select

| ✕ | 1 selected |

| ♡ | share | 🗑 |

Toolbar icon changes to Unfavorite state.

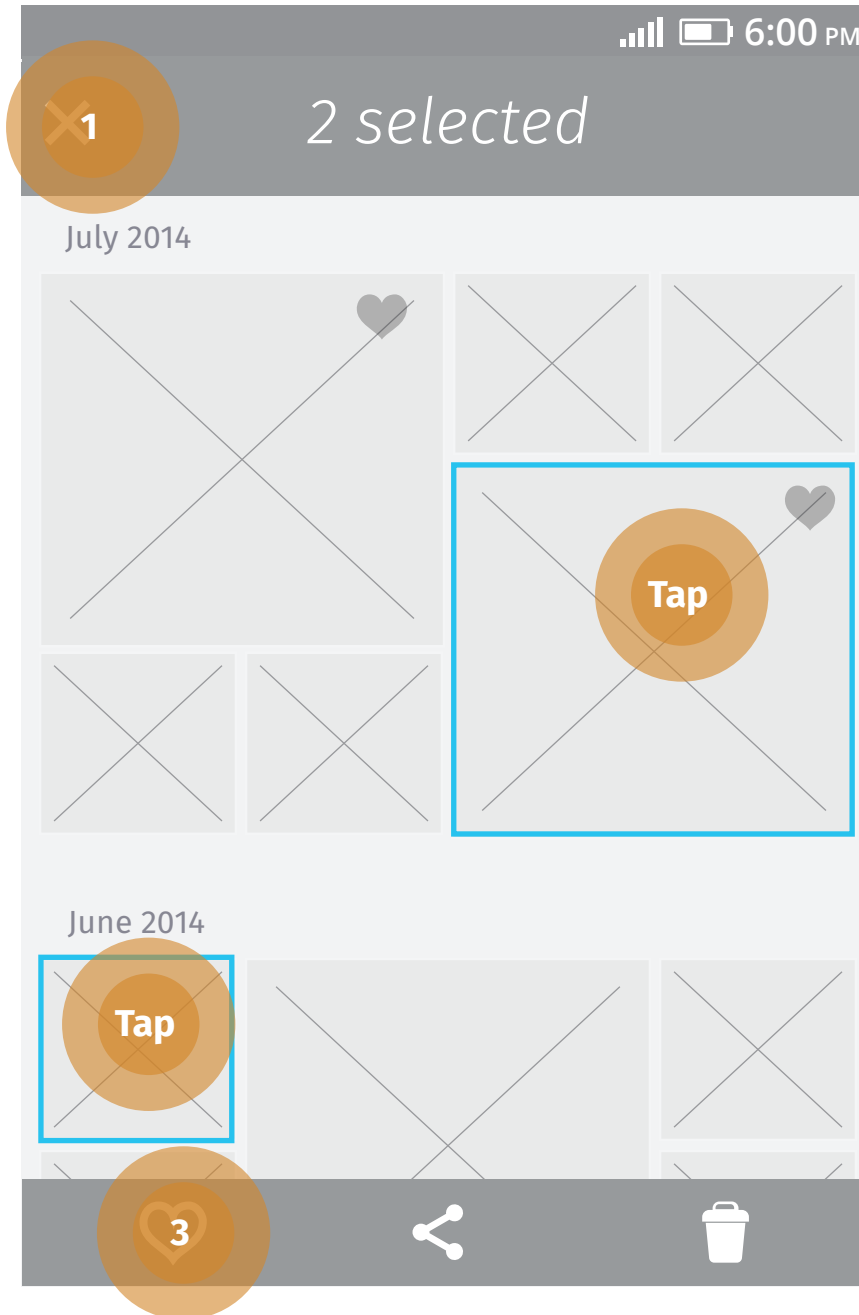# Multi-Favorite - Mixed Selection - Flow

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

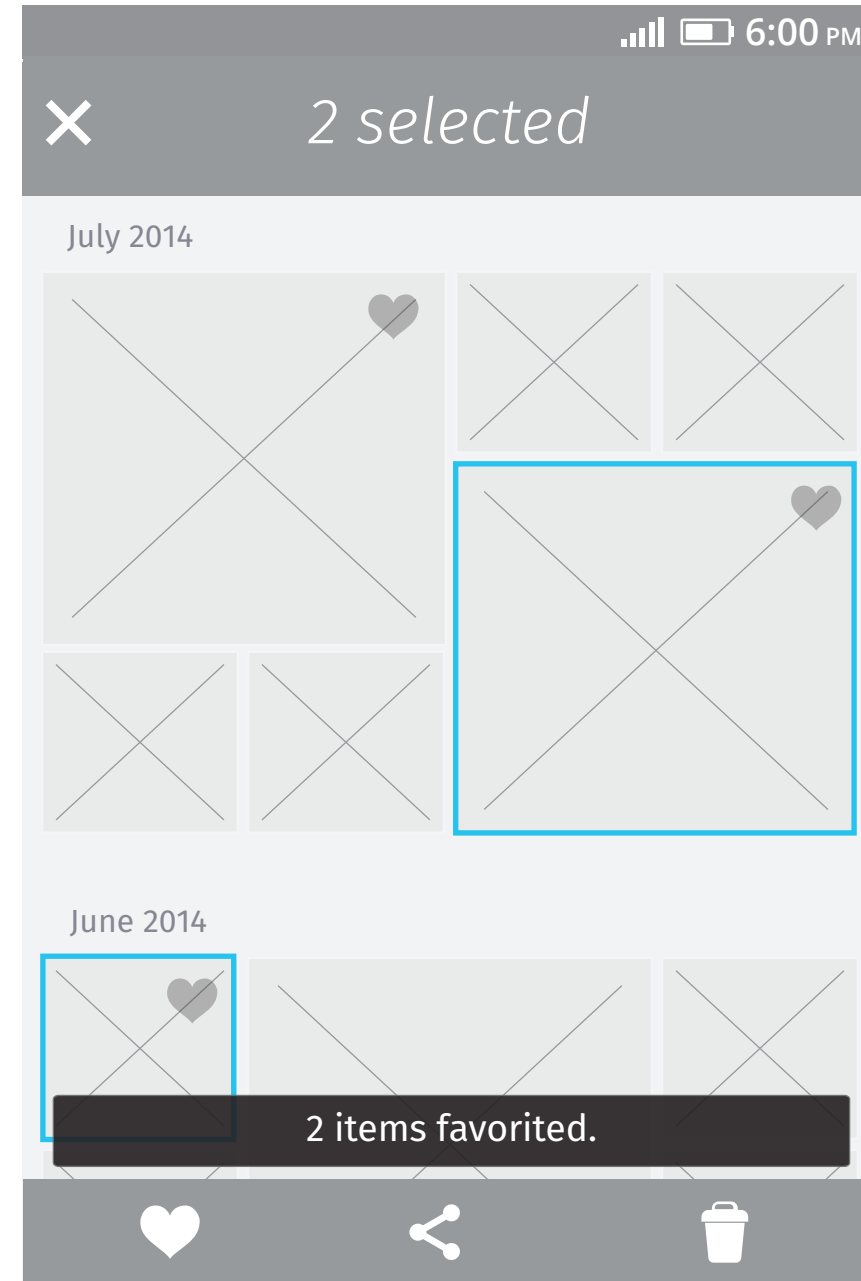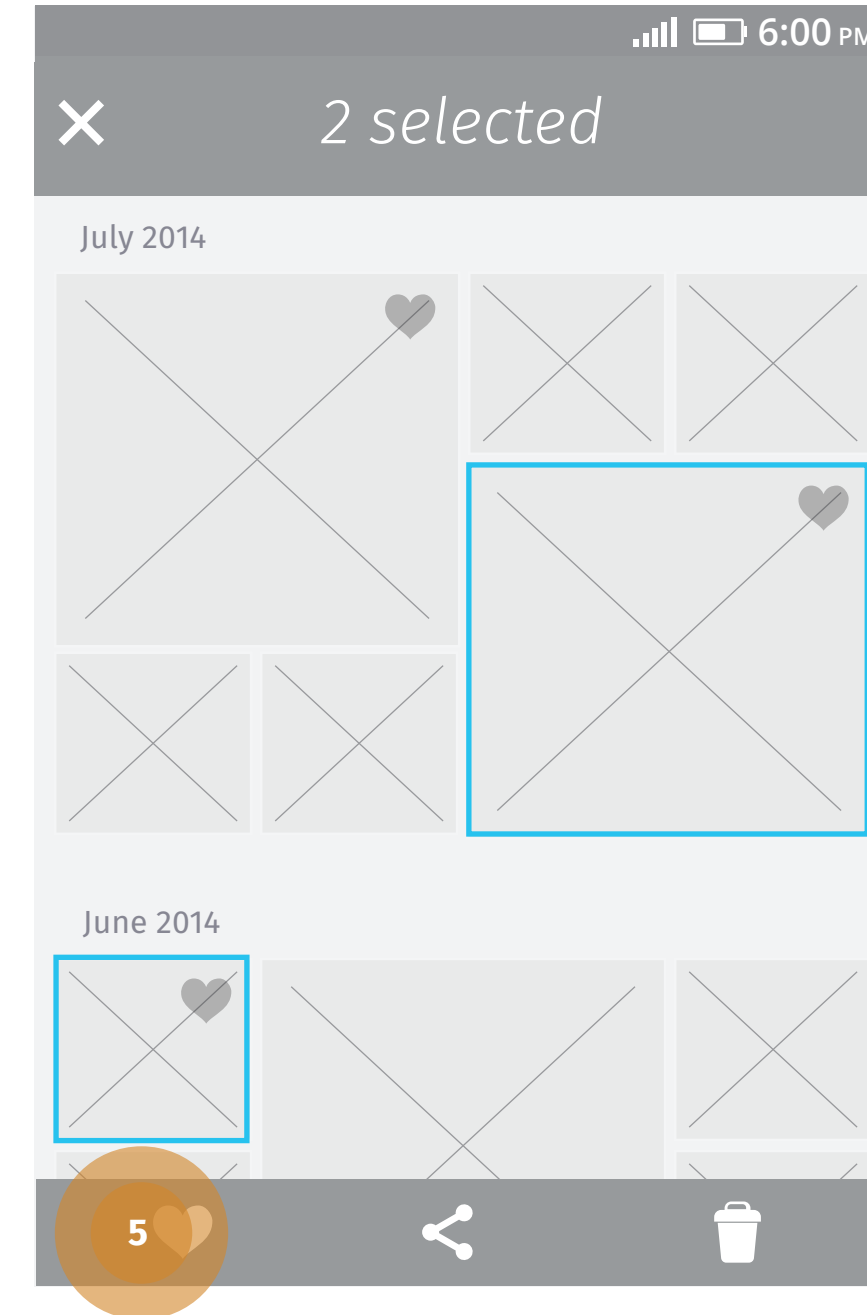**2. Multi-Select**

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 2 seconds.

Items remain selected
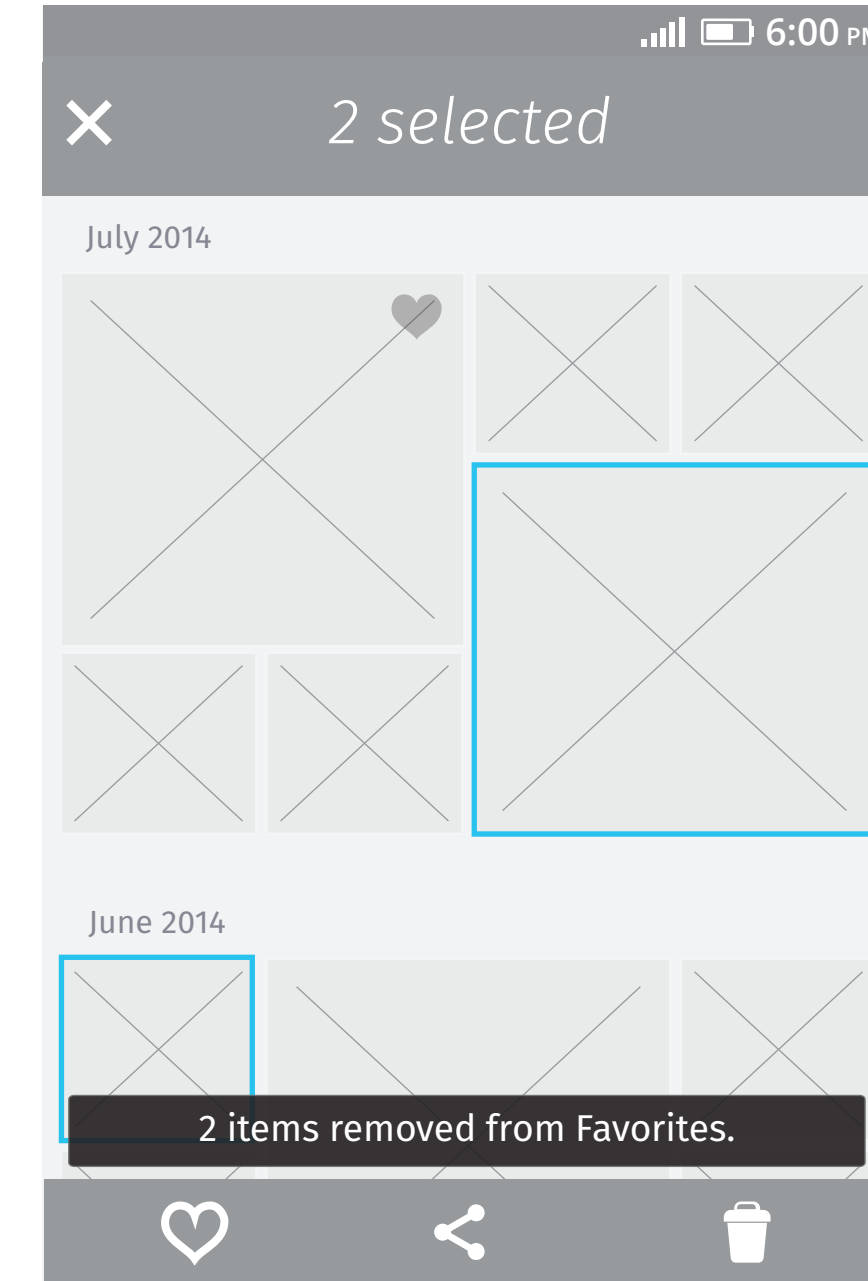
4. Multi-Select

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

Items remain selected

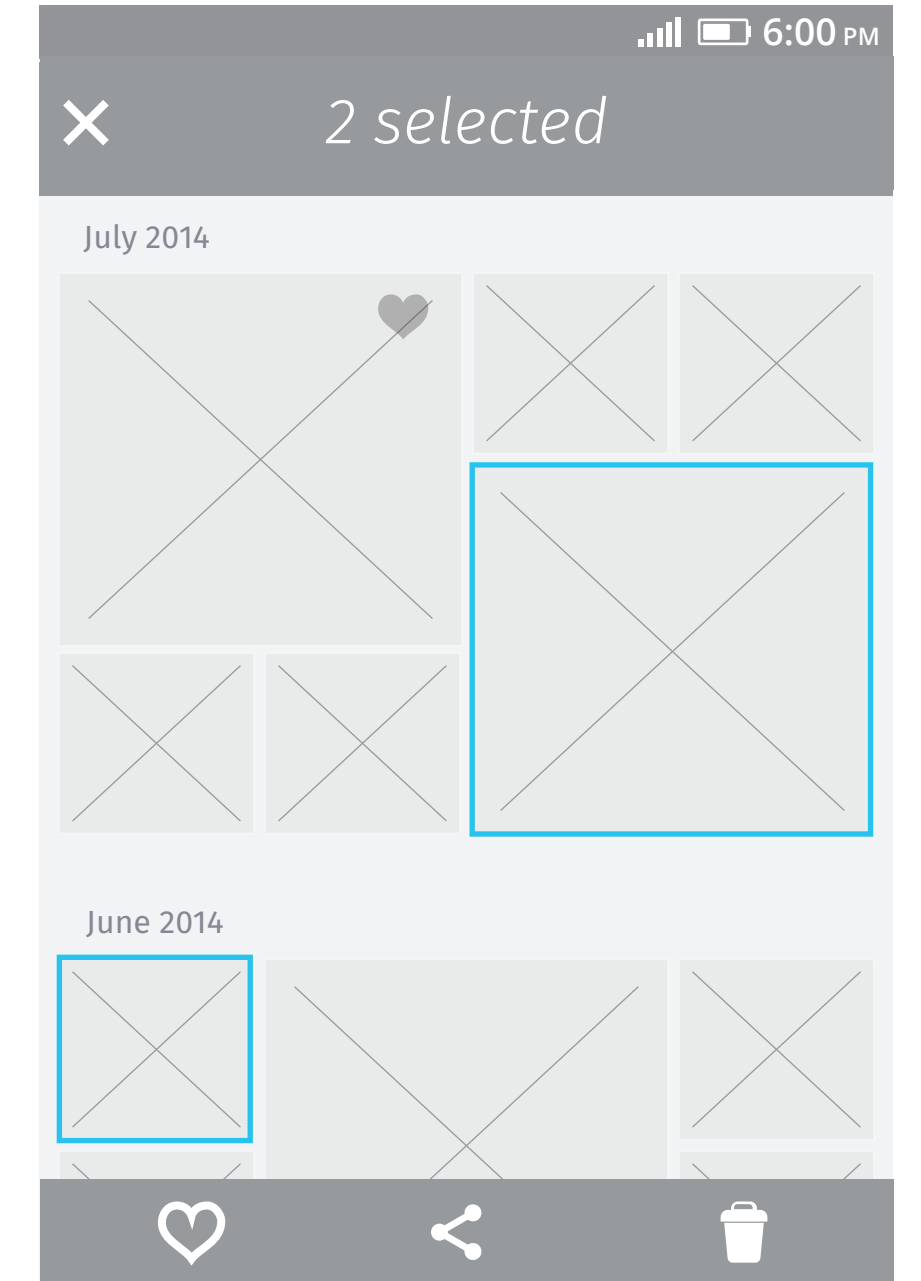Tapping on Unfavorite icon removes the selected items from the Favorites sub-view

5. Multi-Select - Unfavorited

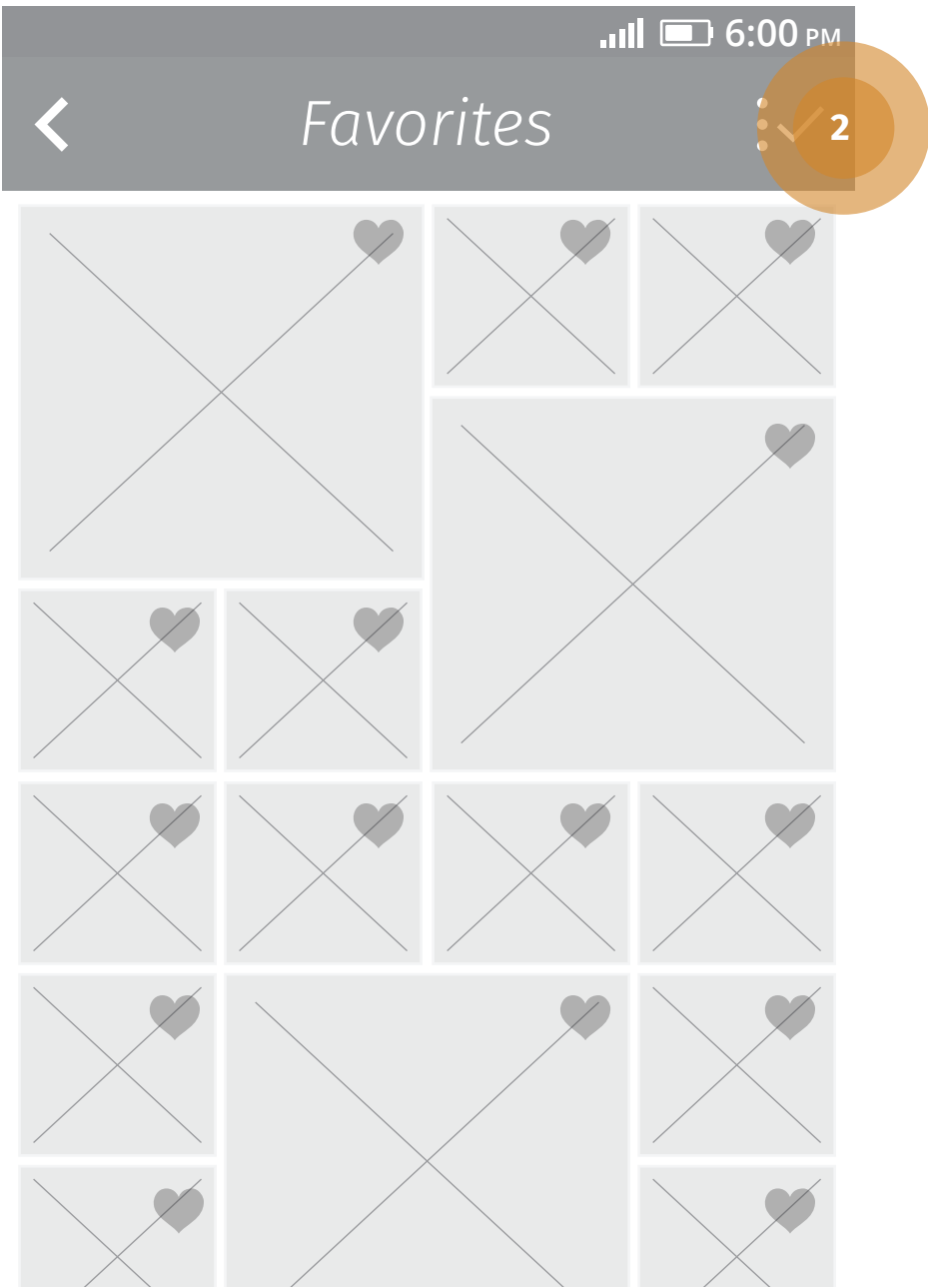Favorite indicator (heart) is removed from thumbnail, a confirmation banner is shown. Banner fades away in 2 seconds.

Items remain selected

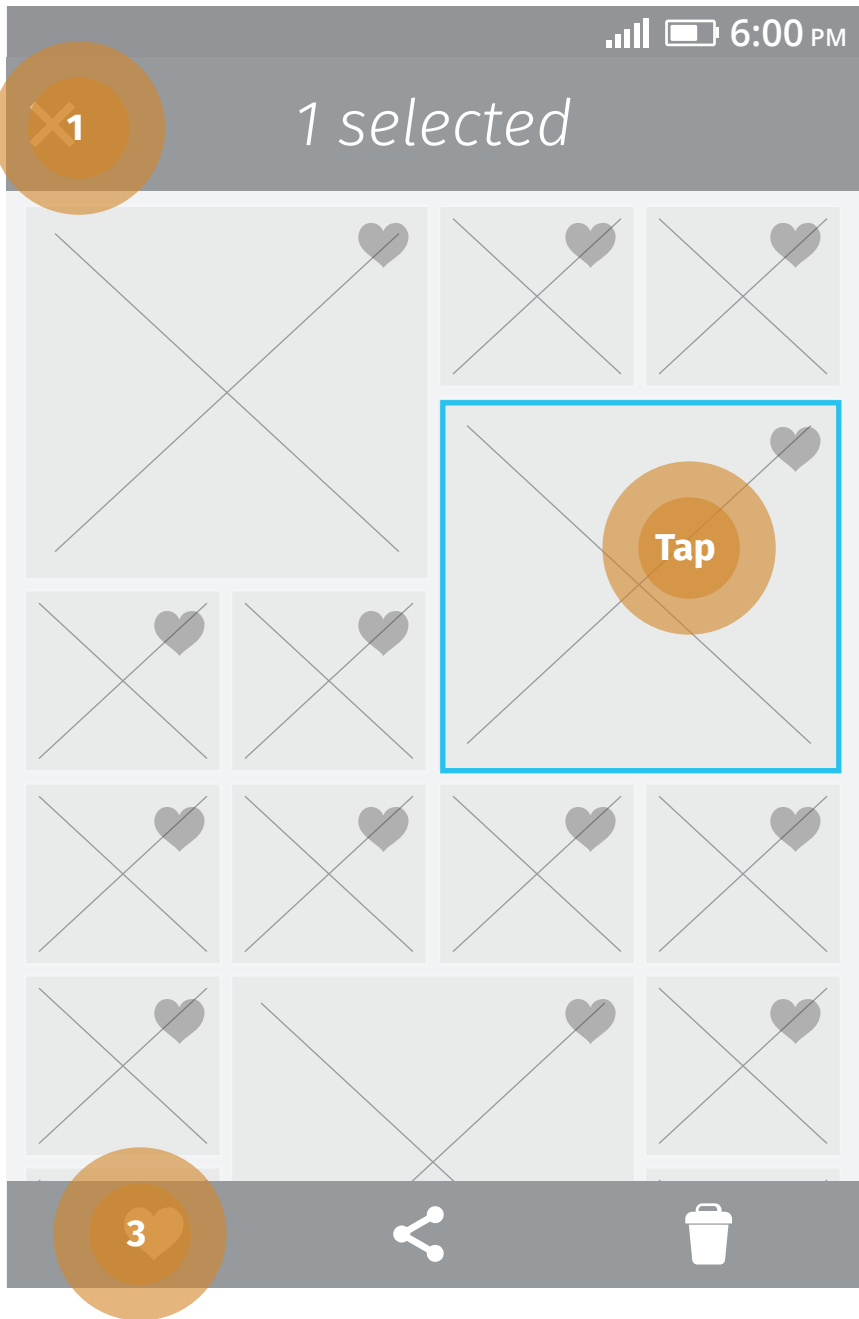**6. Multi-Select**

Firefox OS

Multi-Unfavorite - Flow

1. Favorites Sub-View

This applies specifically to the favorites sub-view.

Tapping allows the user to select multiple items and take an action.
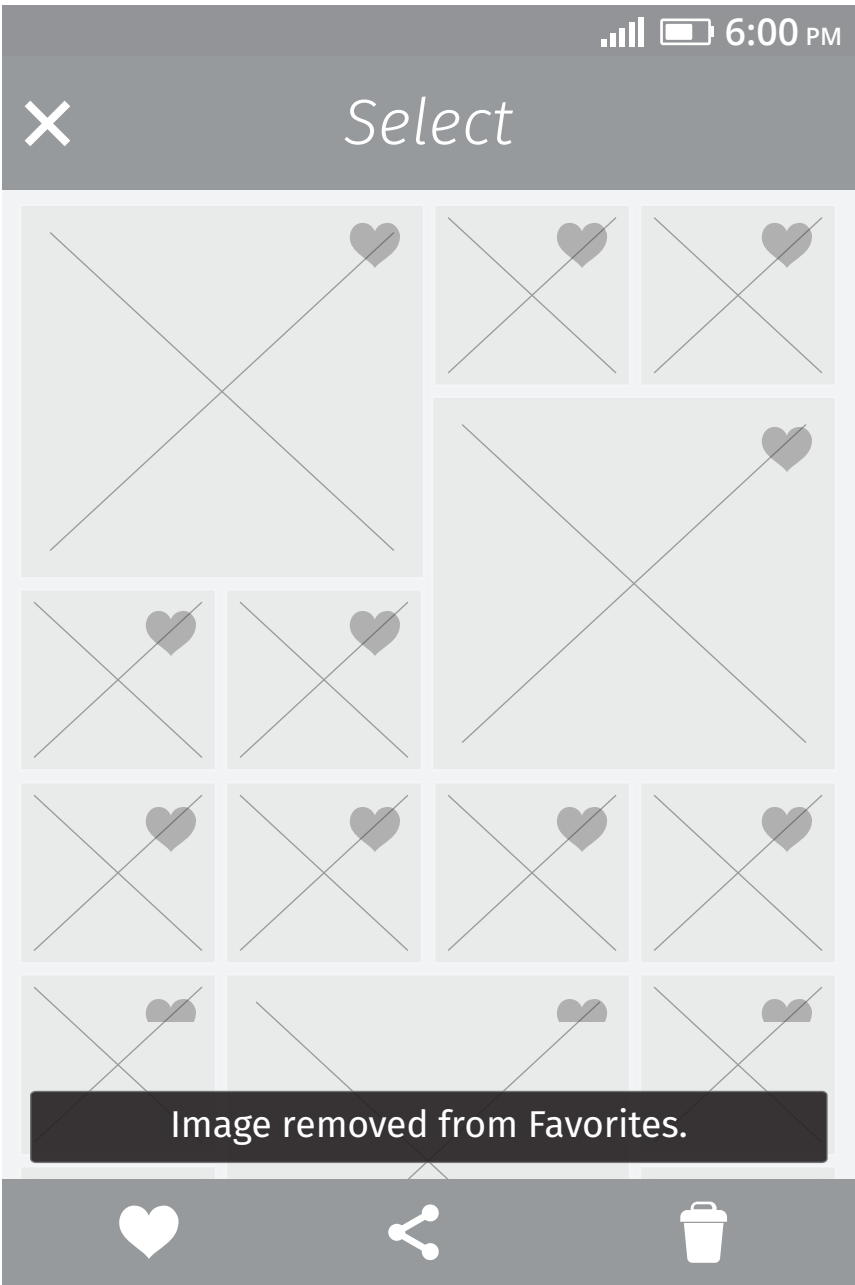
2. Multi-Select

Tapping on items selects/deselects.

Tapping cancel exits with no further action taken.

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

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

3. Multi-Select

Image removed from Favorites.

Selected items are unfavorited and immediately removed. A confirmation banner is shown. Banner fades away in 2 seconds.
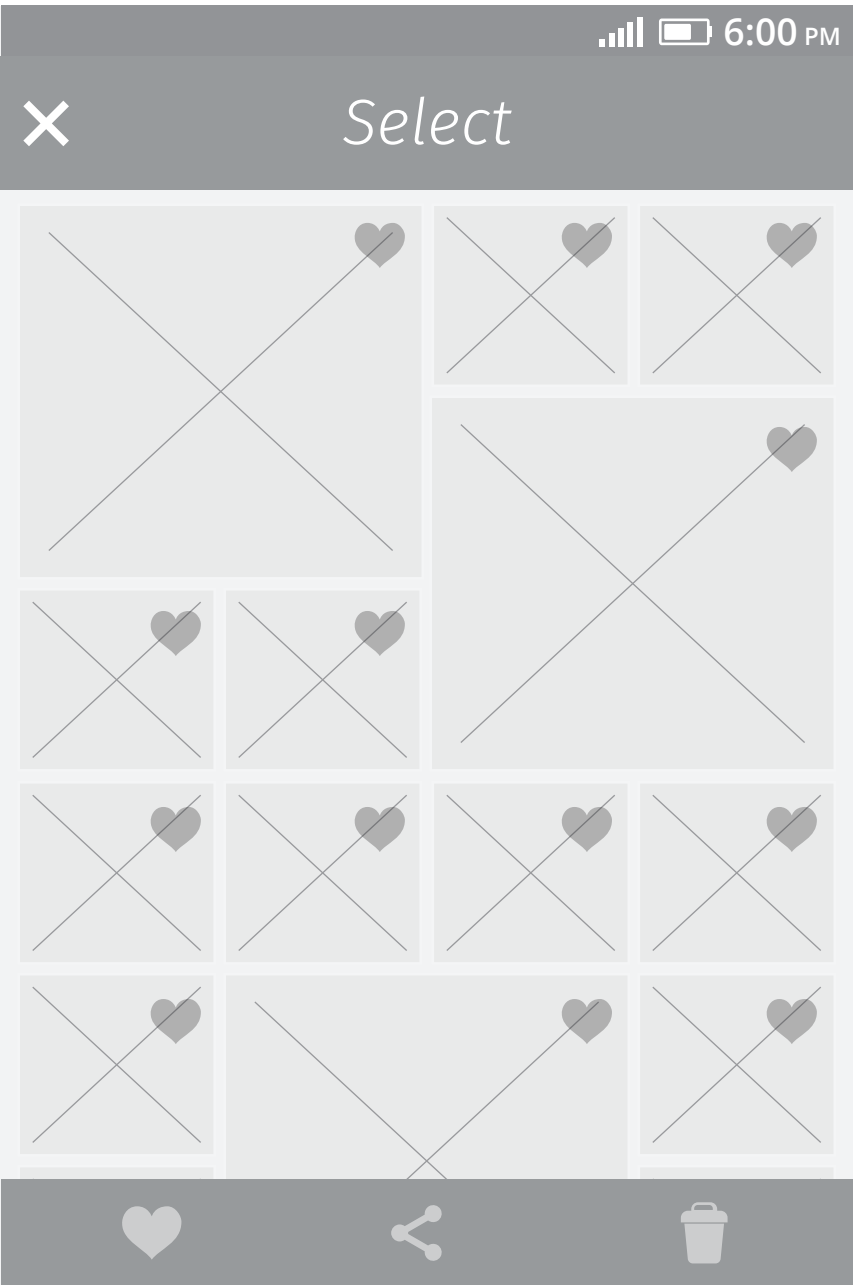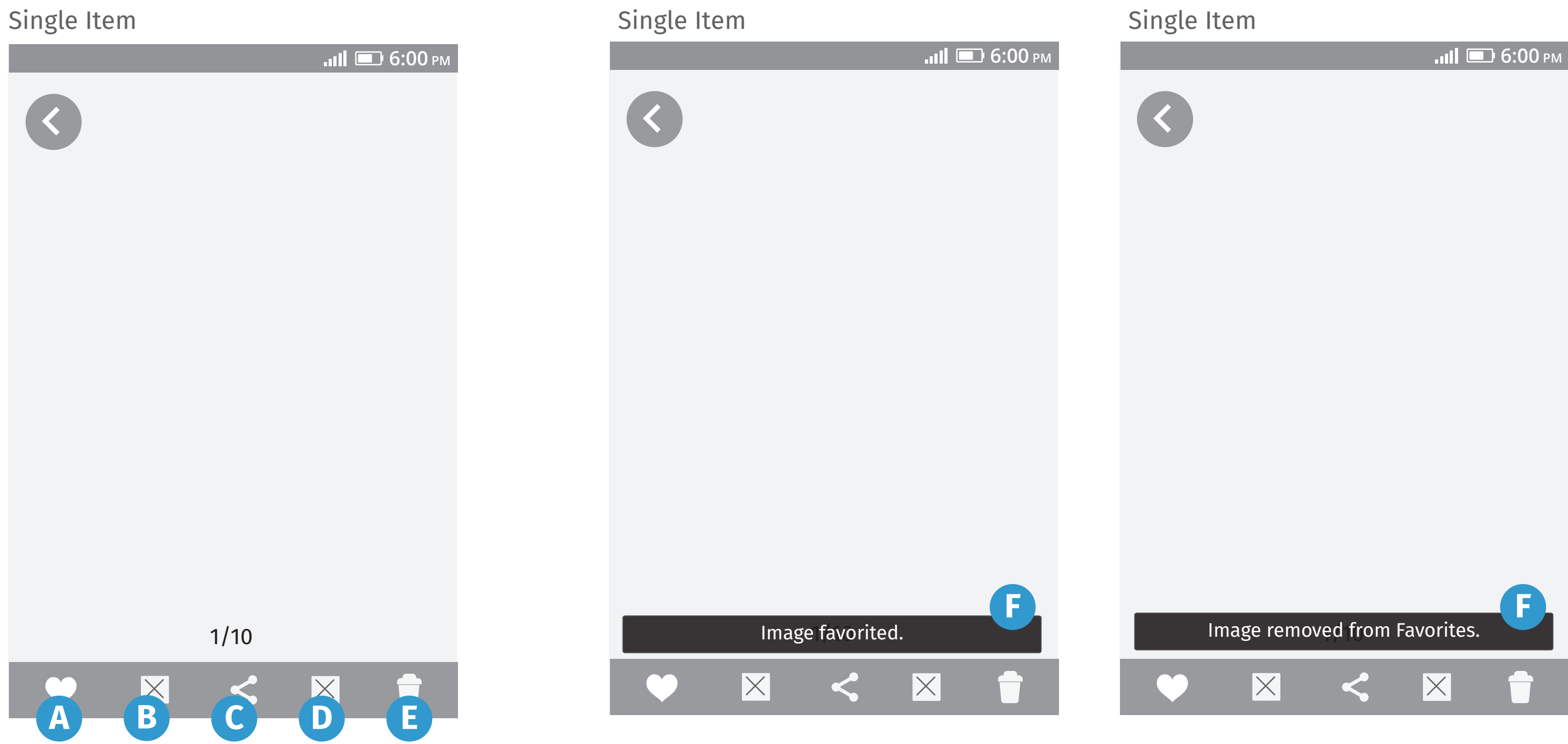
4. Multi-Select

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 View

Single Image/Video - Details

Single Item

1/10

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

Single Item

Image favorited.

Single Item

Image removed from Favorites.

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

1. Single Item - Unfavorited (default)

📶 🔋 6:00 PM

1/10

2
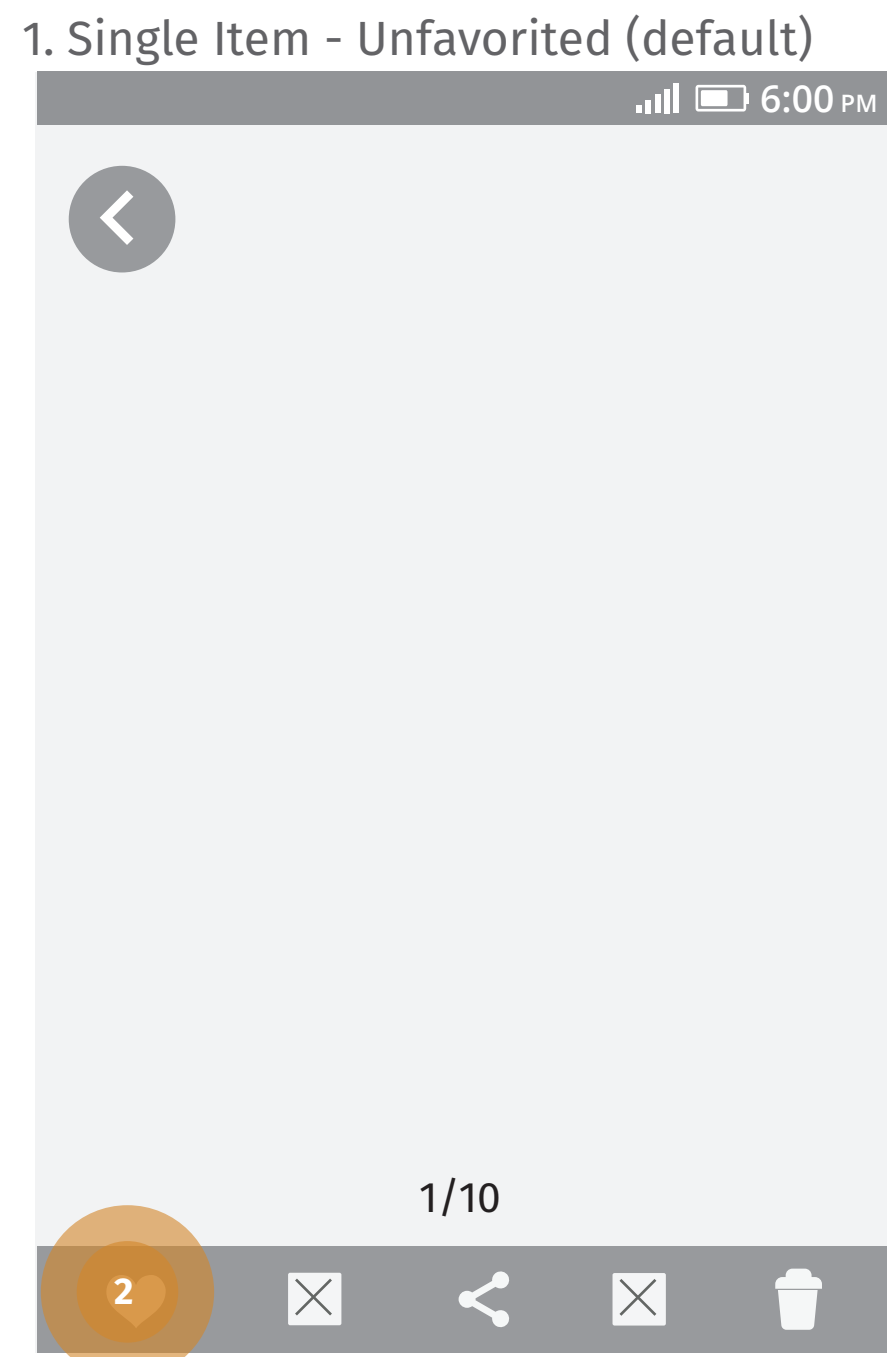
Tapping favorite icon "favorites" the images and adds the image to the Favorites stream

2. Favorited Image - Confirmation
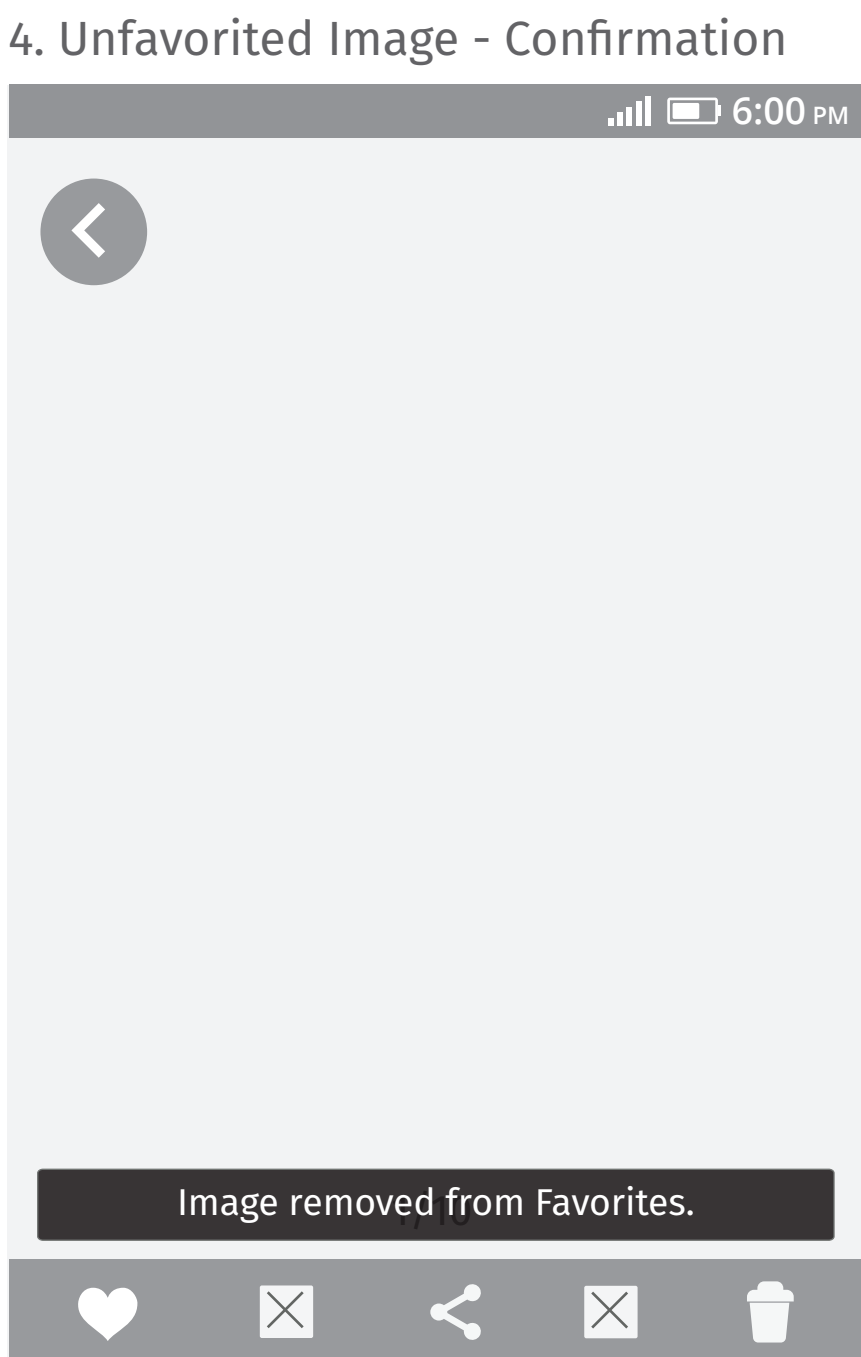
📶 🔋 6:00 PM
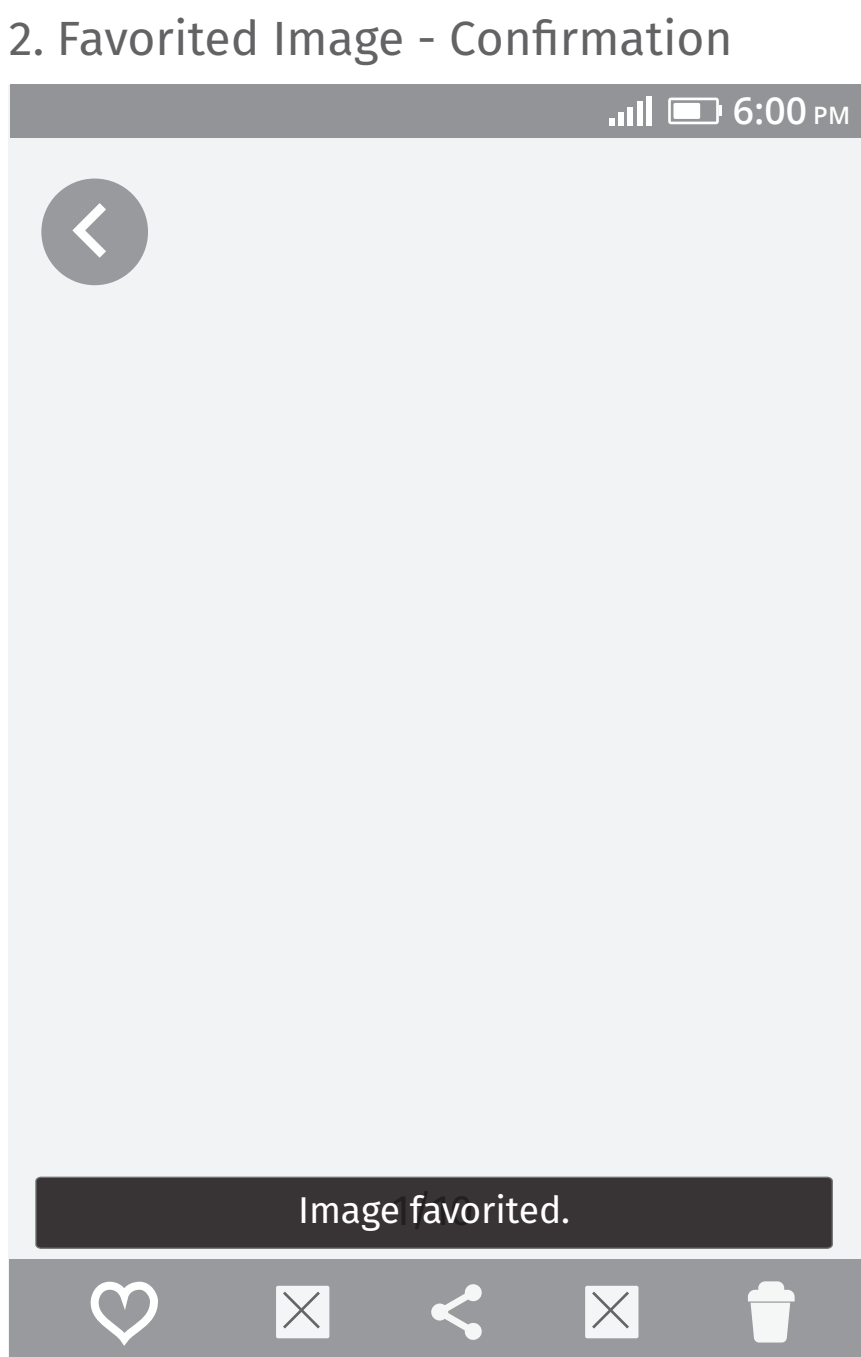
Image favorited.

Selected item is favorited. A confirmation banner is shown. Banner fades away in 2 seconds.

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

3. Favorited Image

📶 🔋 6:00 PM

1/10

4
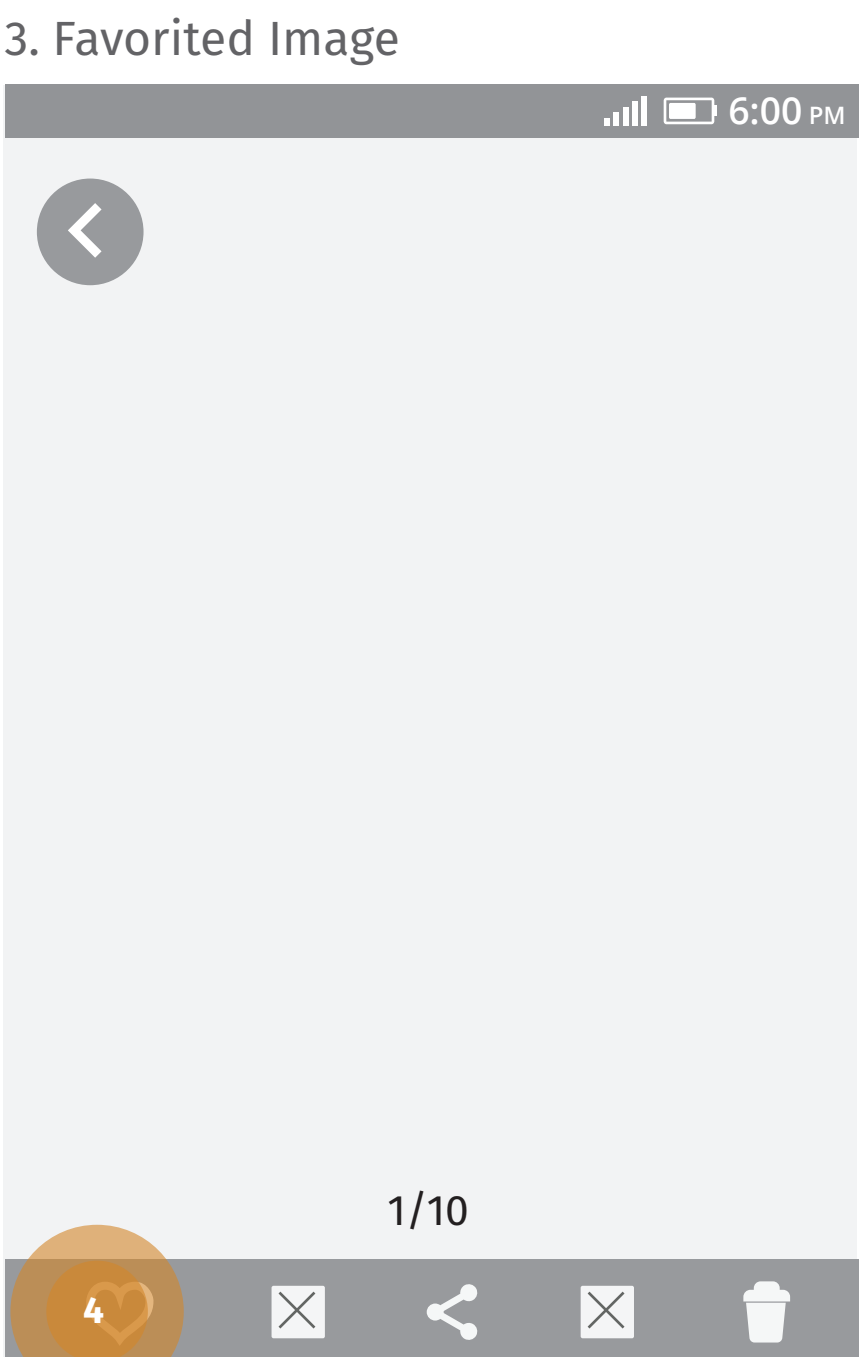
Tapping unfavorite icon "unfavorites" the item and removes it from the Favorites stream.

Icon in toolbar changes to "favorite" state
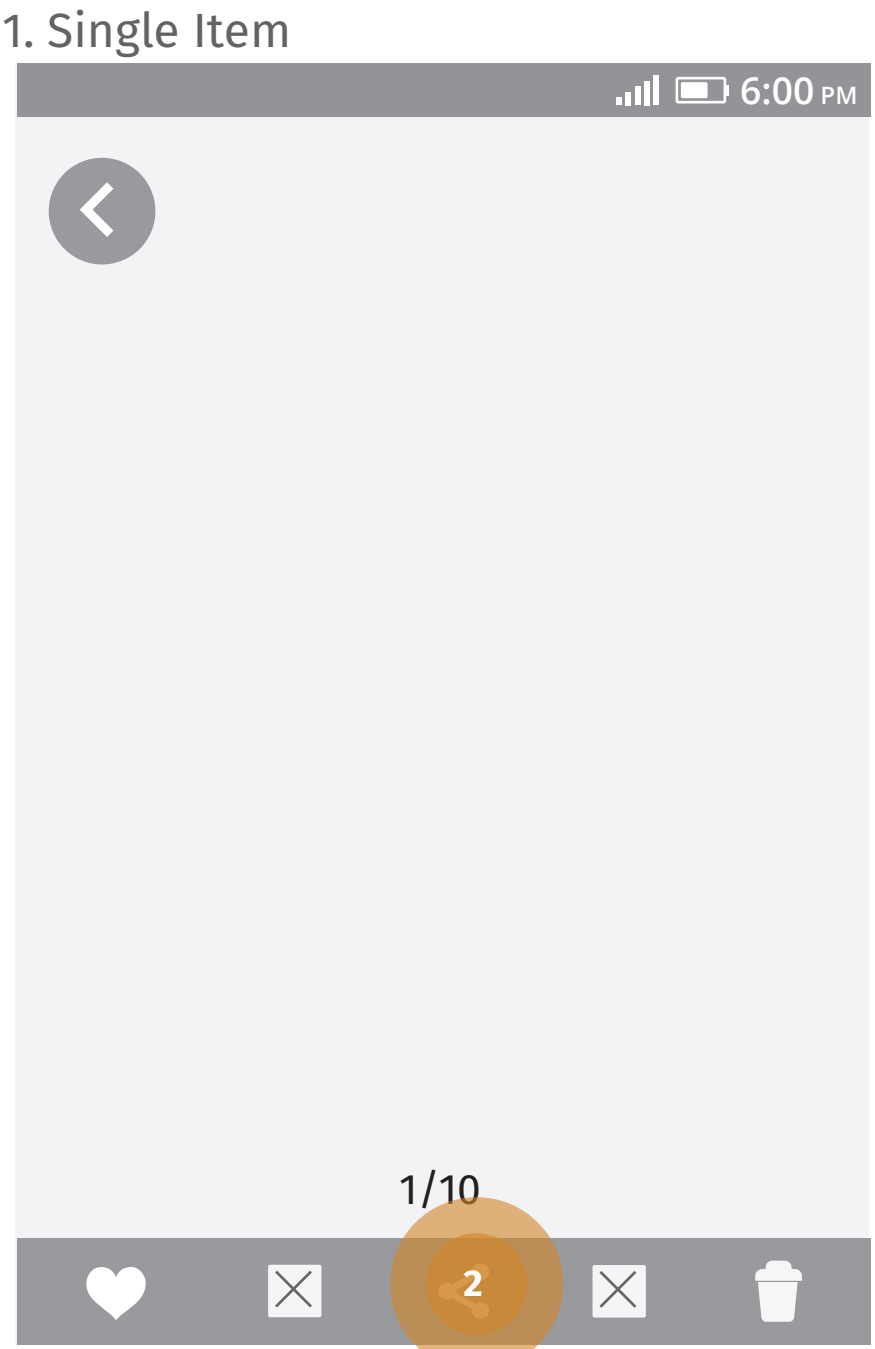
4. Unfavorited Image - Confirmation

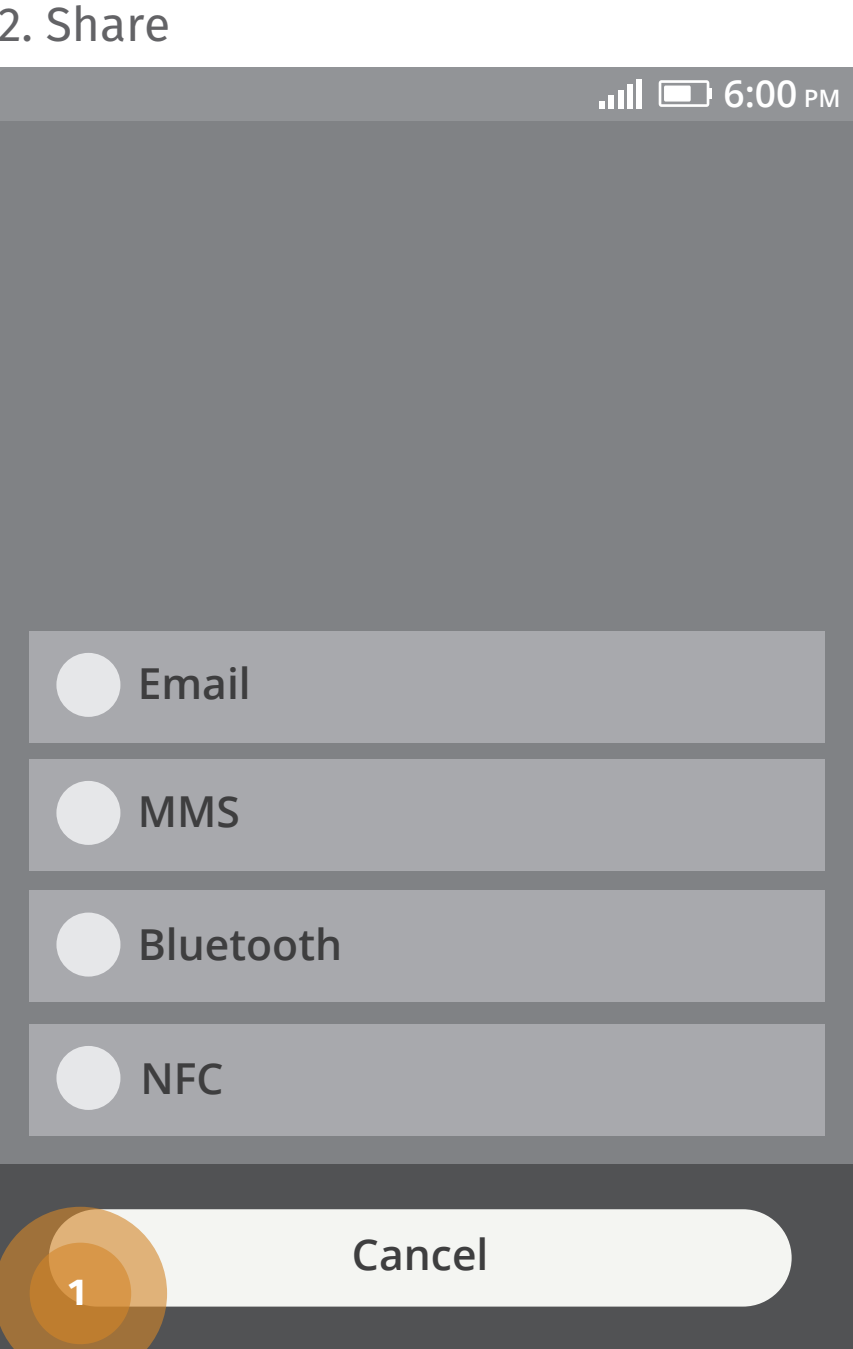📶 🔋 6:00 PM

Image removed from Favorites.

Selected item is unfavorited. A confirmation banner is shown. Banner fades away in 2 seconds,.

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

Single Image Share - Flow

1. Single Item

1/10

Tapping share presents an action menu with possibilities.

2. Share

Email

MMS

Bluetooth

NFC

Cancel

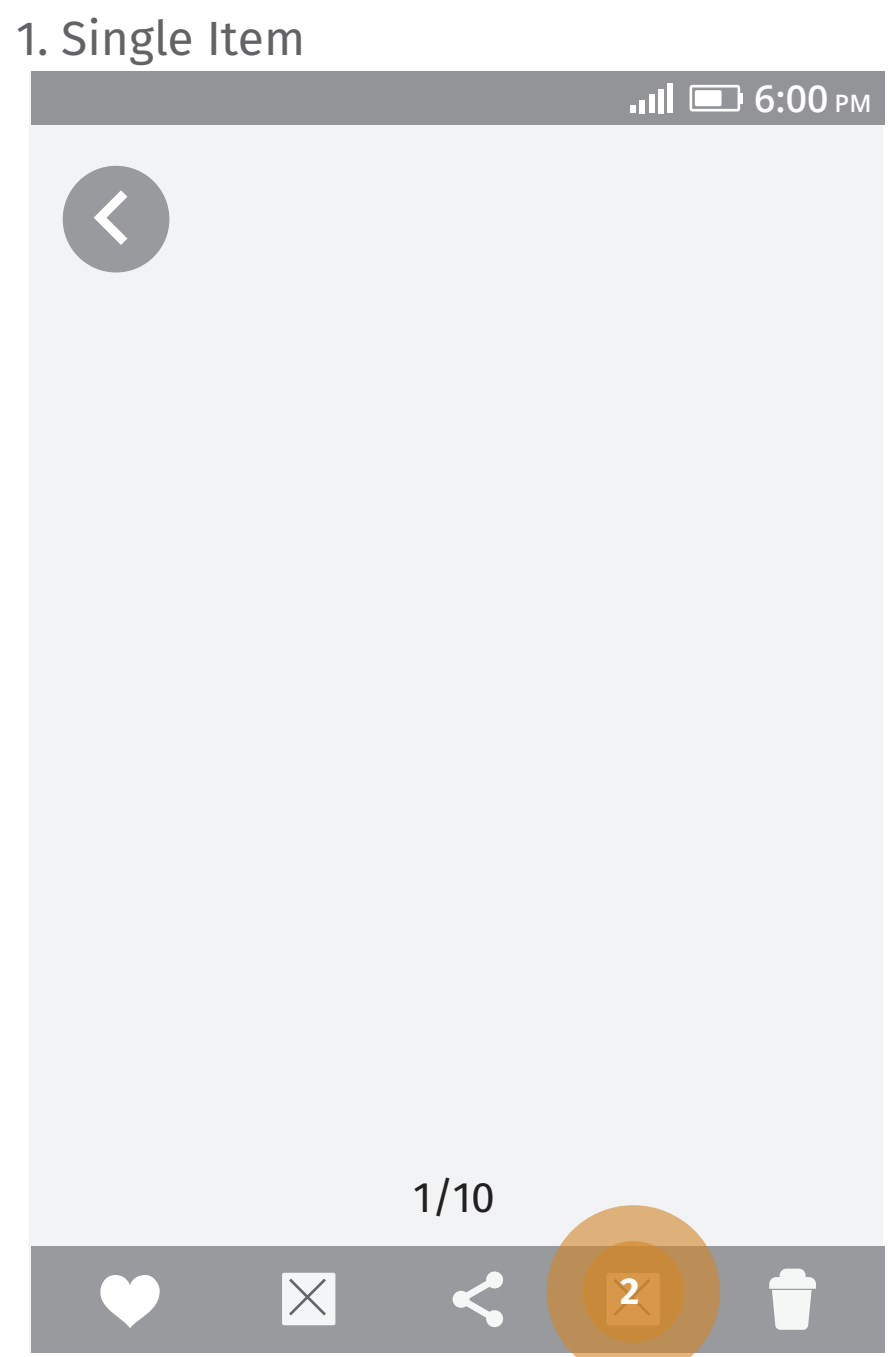Tapping an option goes into that specific share flow.

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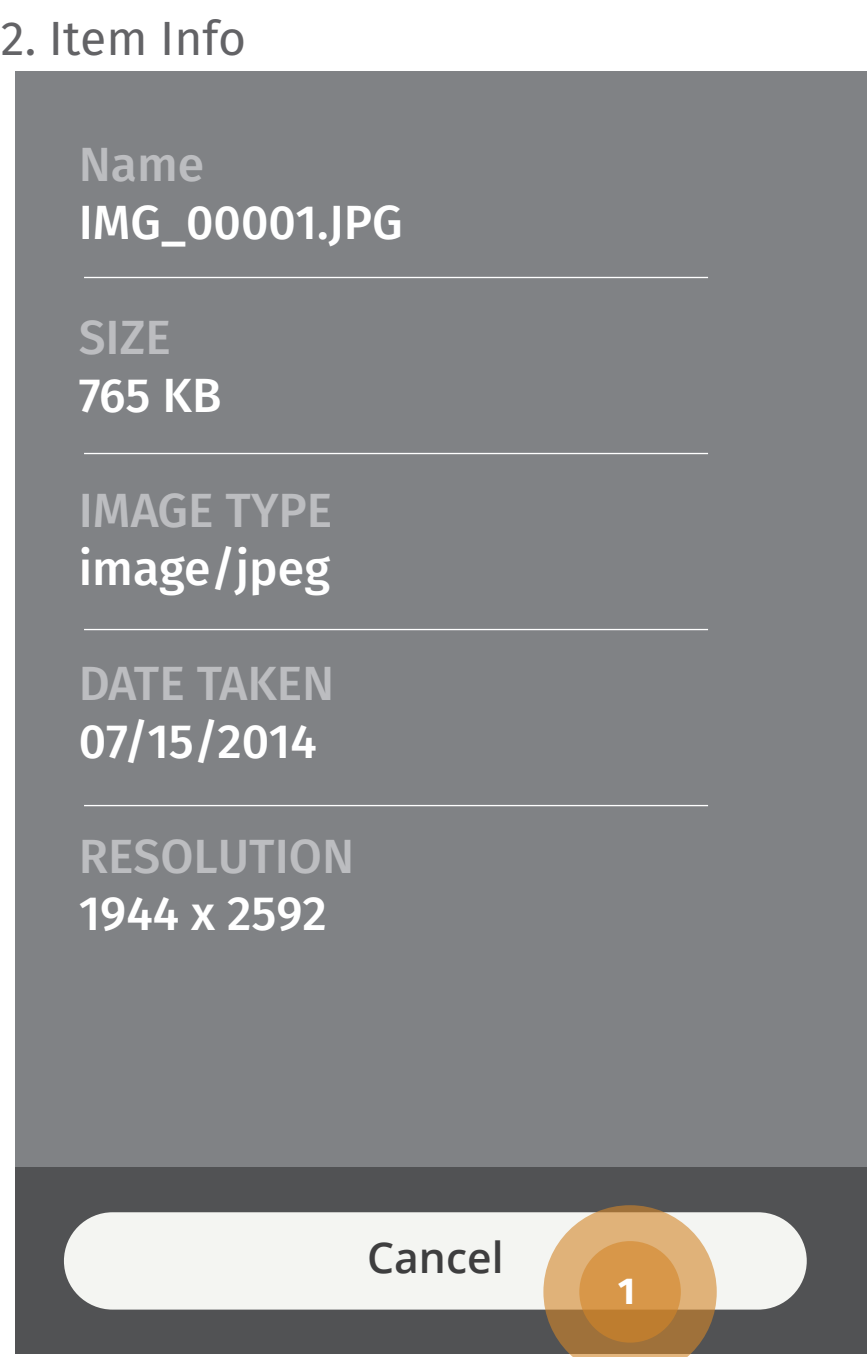
SHARE FLOW

Use current UI/flows for sharing options.

Single Image Info - Flow

1. Single Item

1/10

❤ ⊠ ⌁ **2** 🗑

Tapping on info icon displays
Information about single item

2. Item Info

Name
IMG_00001.JPG

SIZE
765 KB

IMAGE TYPE
image/jpeg

DATE TAKEN
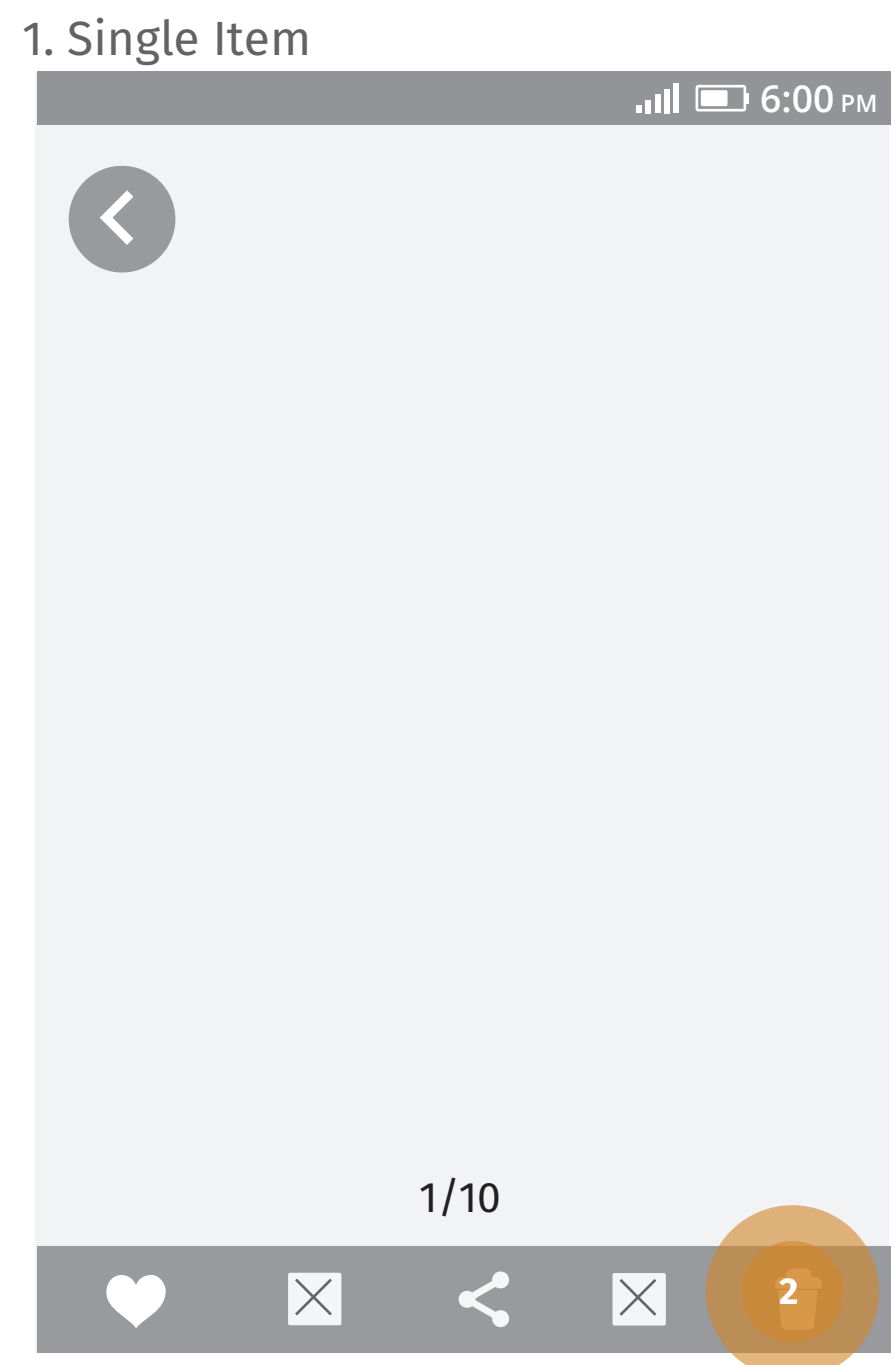**07/15/2014**

RESOLUTION
1944 x 2592

Cancel **1**

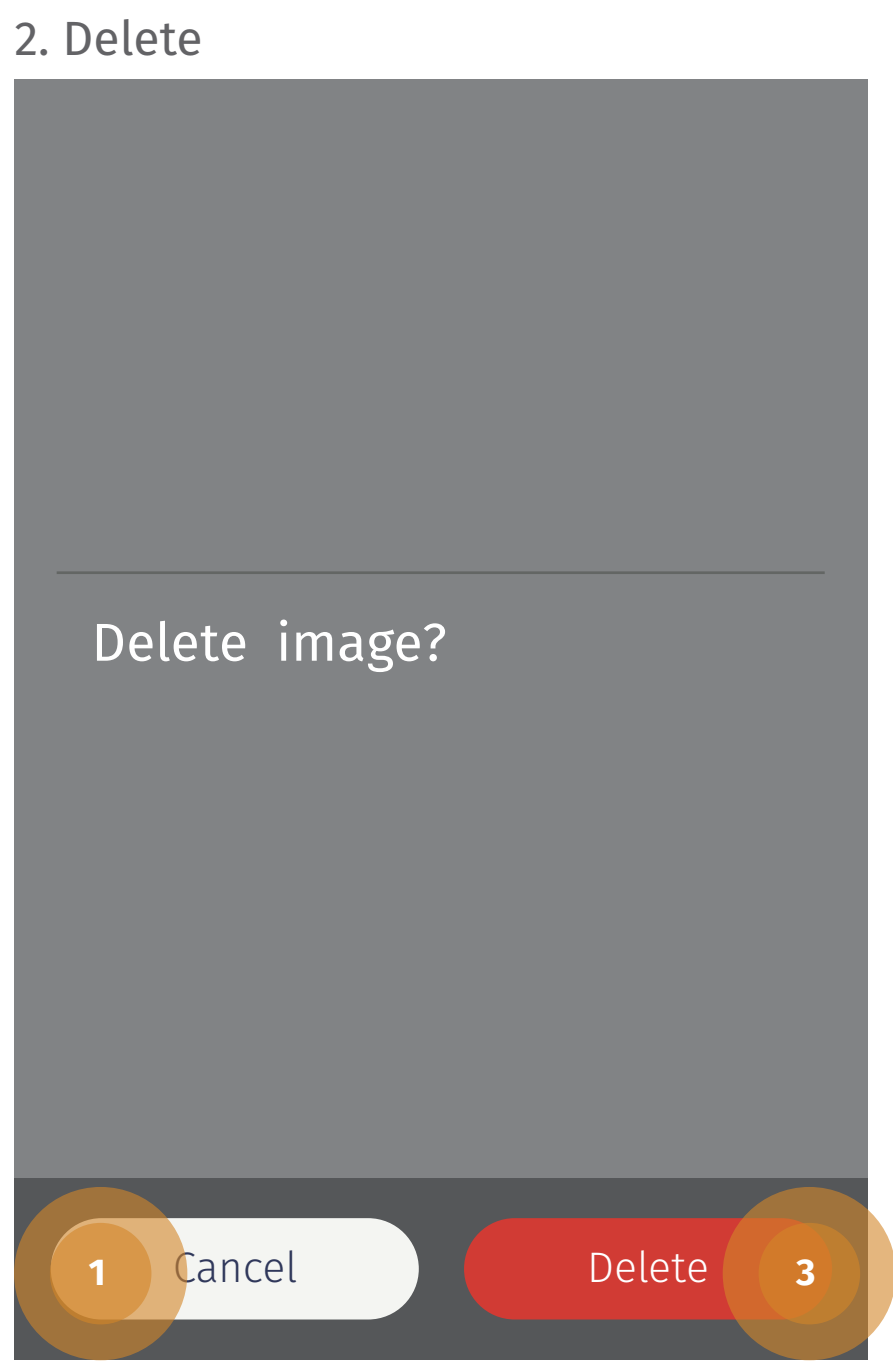Tapping cancel exits and returns to
Single Image View

Same as previous release.

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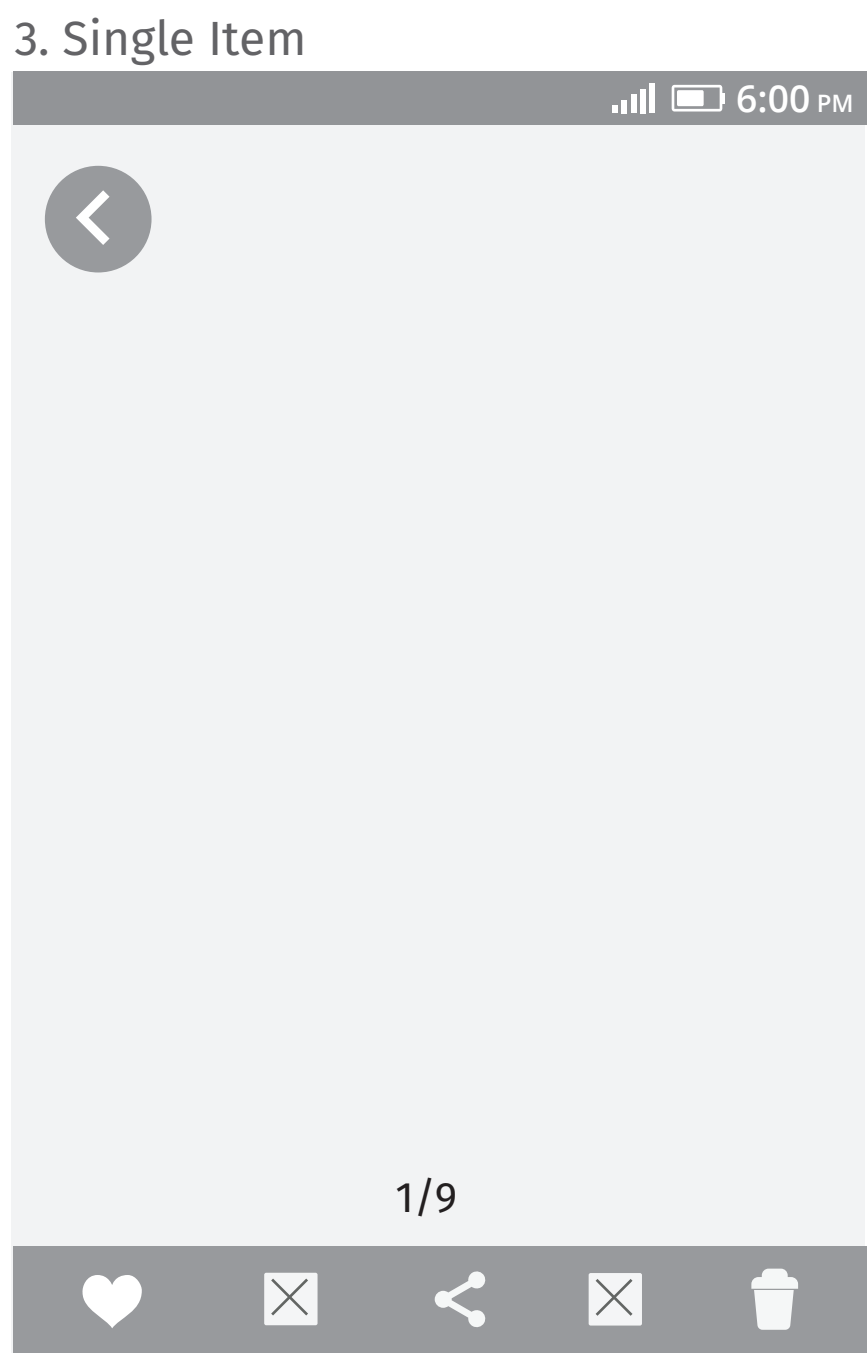
Single Image Delete - Flow

1. Single Item

1/10

Tapping delete presents a confirmation.

2. Delete

Delete image?

Cancel   Delete

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.

3. Single Item

1/9

Thanks!
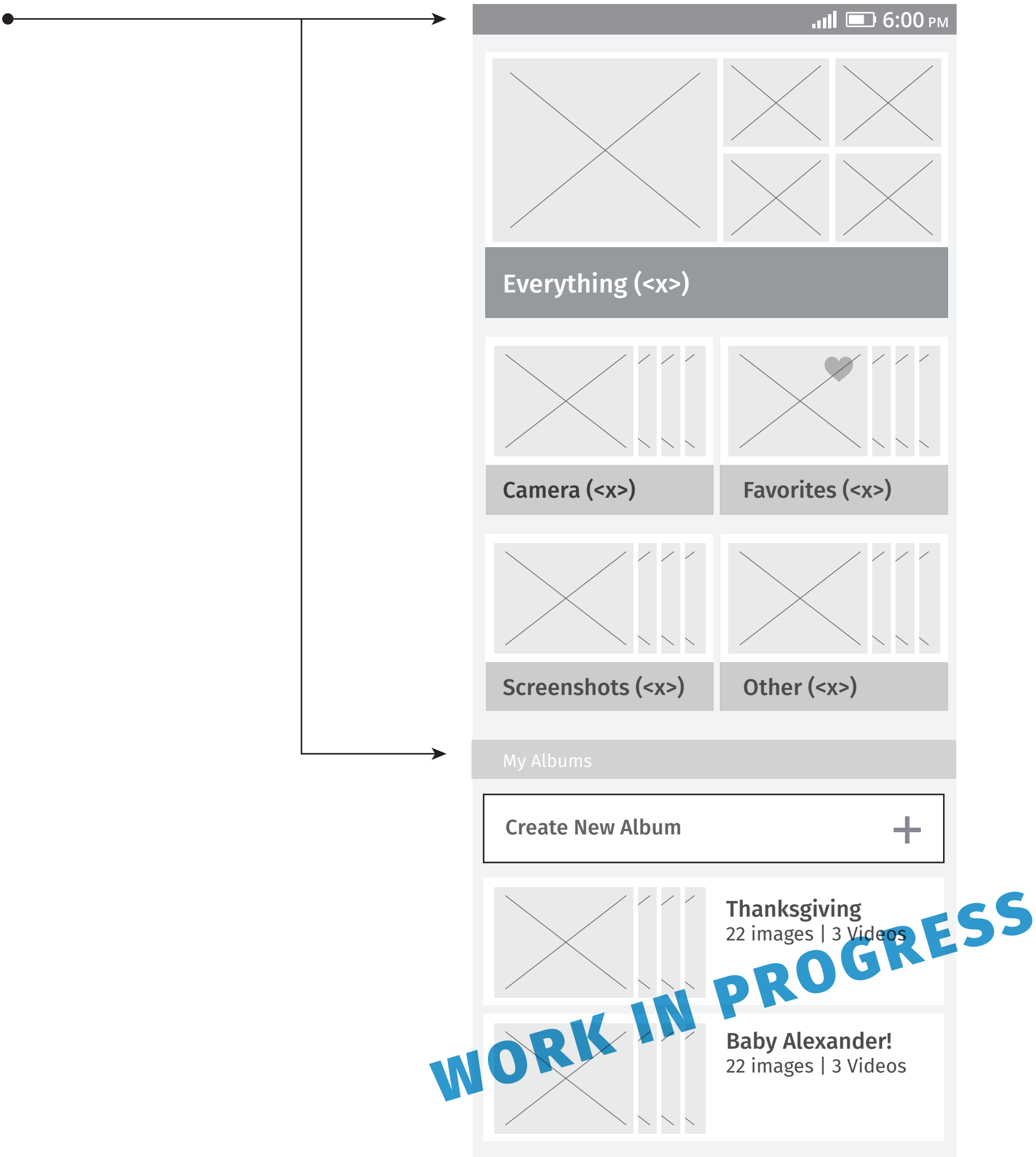
From your friends in Firefox OS UX

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?

Everything (<x>)

Camera (<x>)   Favorites (<x>)

Screenshots (<x>)   Other (<x>)

My Albums

Create New Album   +

Thanksgiving
22 images | 3 Videos

Baby Alexander!
22 images | 3 Videos

Albums to be added in 2.2

Similar treatment to Music - Add a Playlist

WORK IN PROGRESS