Firefox OS

Gallery - Views

Version 1.1 July 31, 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

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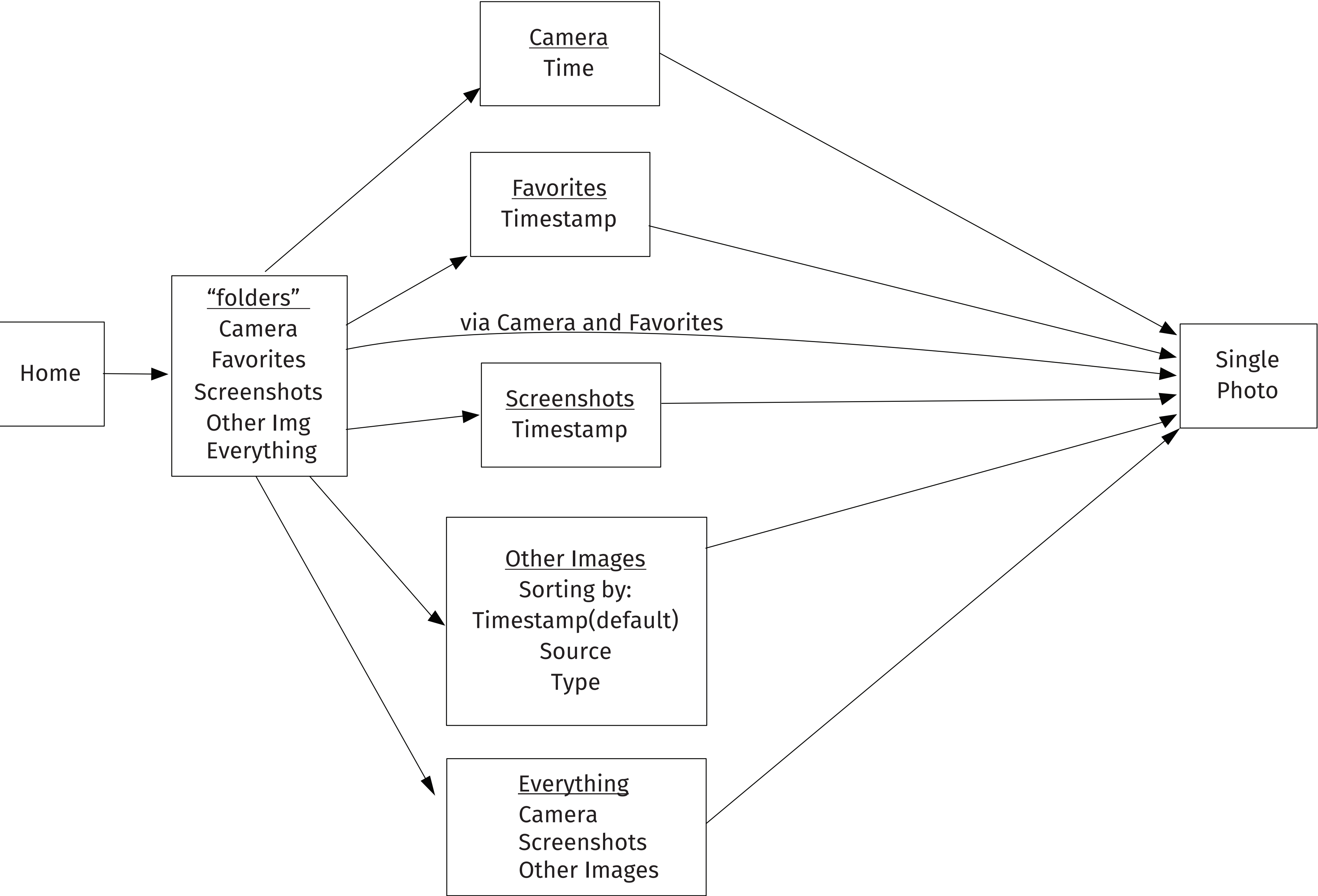
Aside from viewing "folders" there is an additional view that will show all content to allow the user to do some bulk management tasks on all their images - e.g. album creation or delete.

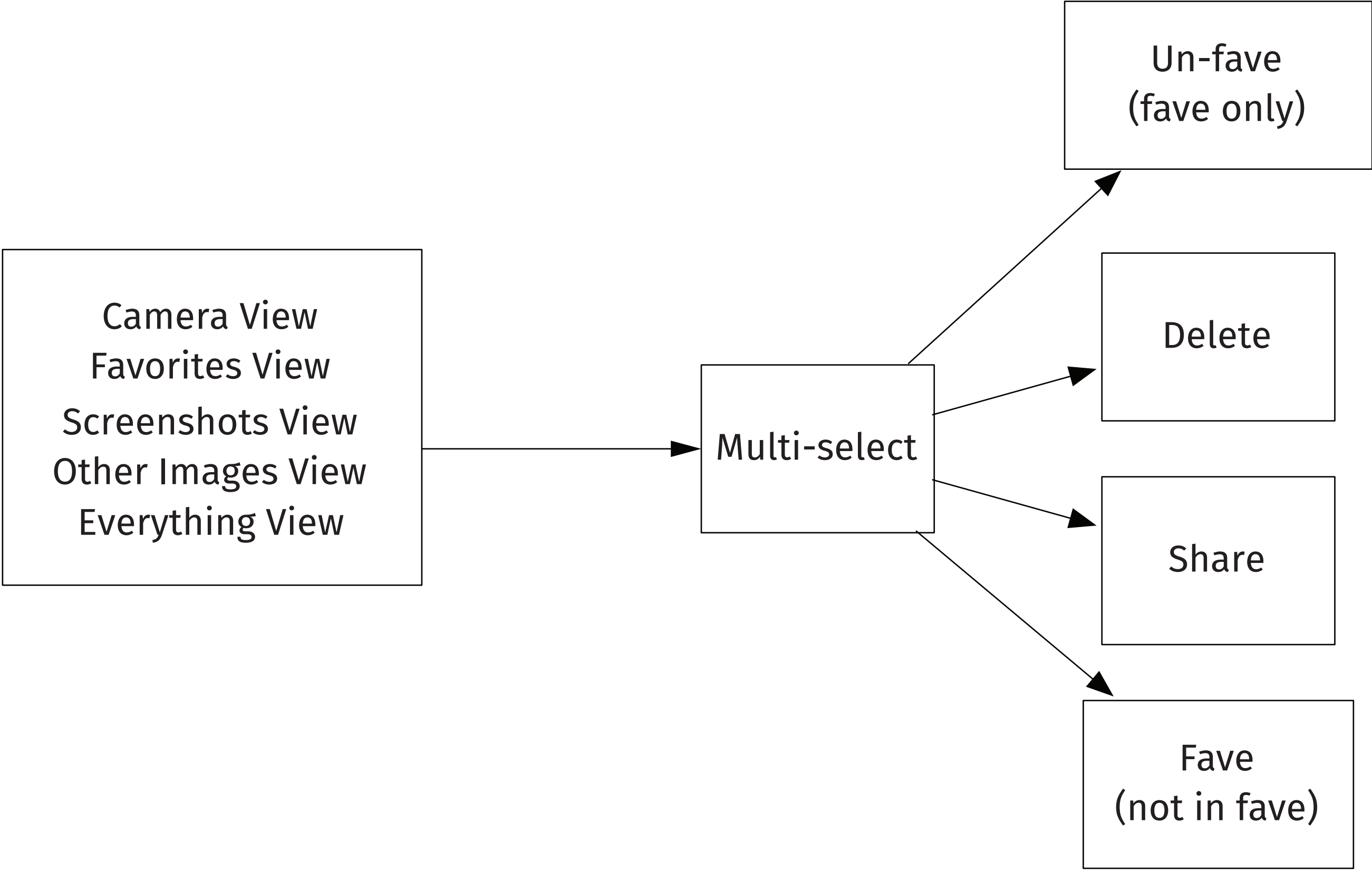The prioritized list for 2.1, which this spec will cover:
- the new gallery screen and subsequent sub-views
- favorites
- overall visual refresh

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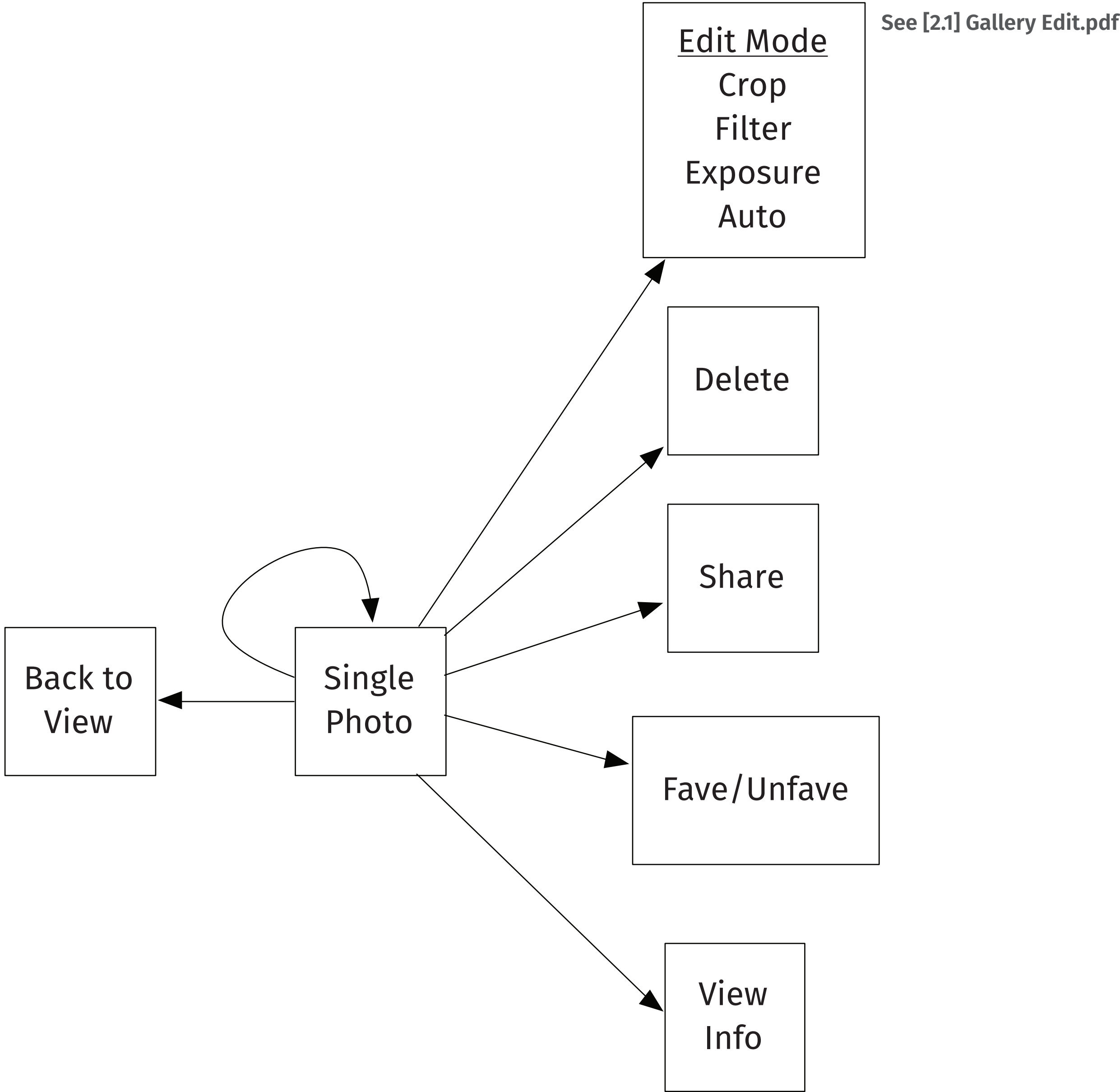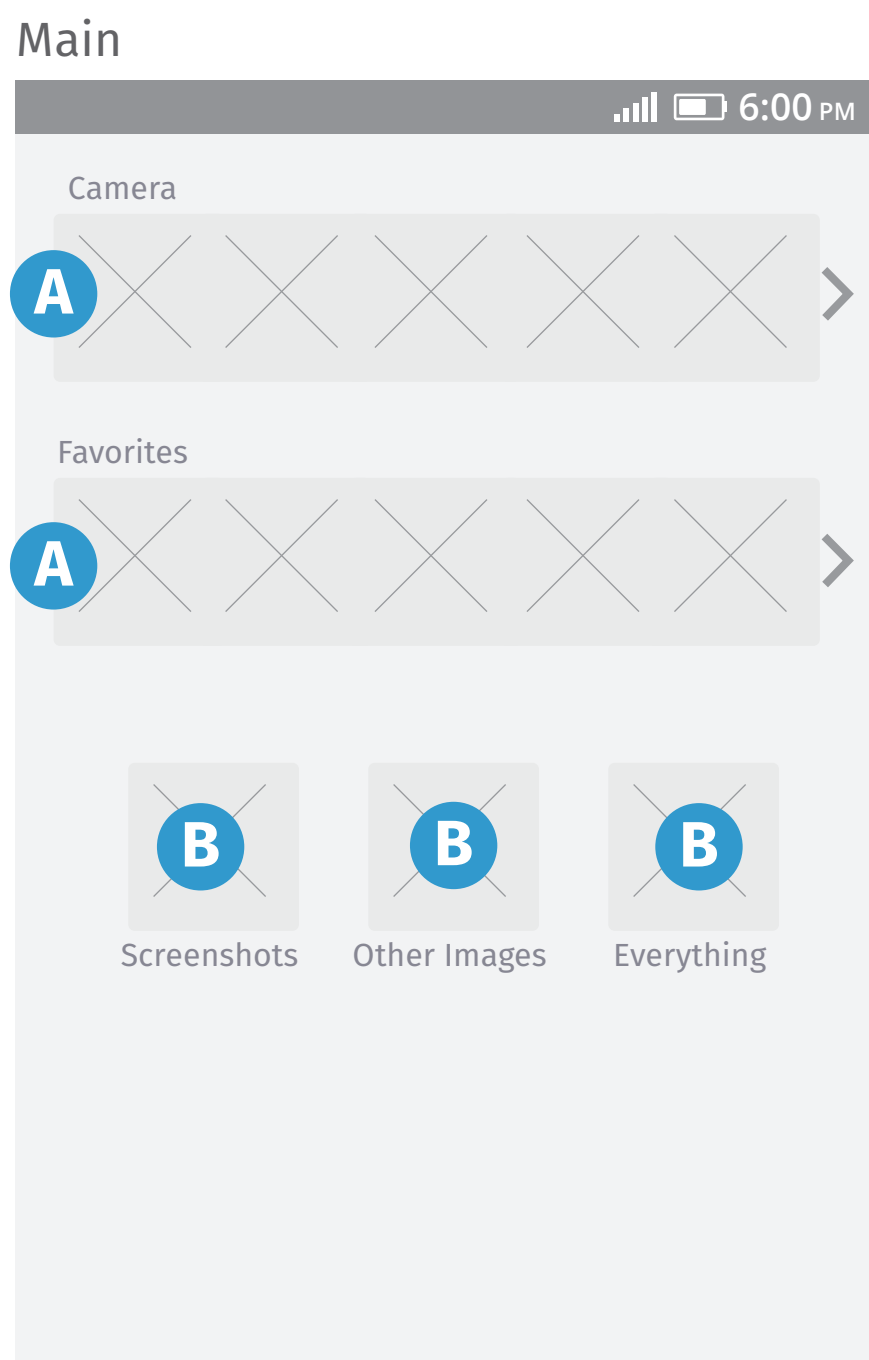
IA Diagrams

Top Level IA

Home → "folders"
Camera
Favorites
Screenshots
Other Img
Everything

Camera
Time

Favorites
Timestamp

via Camera and Favorites

Screenshots
Timestamp

Other Images
Sorting by:
Timestamp(default)
Source
Type

Everything
Camera
Screenshots
Other Images

Single
Photo

Sub-View IA

```
┌──────────────────┐                          ┌──────────────────┐
│  Camera View     │                          │   Un-fave        │
│  Favorites View  │                          │   (fave only)    │
│  Screenshots View│─────────►┌───────────┐   └──────────────────┘
│  Other Images View│         │Multi-select│
│  Everything View │          └───────────┘   ┌──────────────────┐
└──────────────────┘                          │    Delete        │
                                              └──────────────────┘

                                              ┌──────────────────┐
                                              │    Share         │
                                              └──────────────────┘

                                              ┌──────────────────┐
                                              │    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

Explore idea of recents and bluetooth transfer ideas

Finalize Strings

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

Camera View

◀	*Camera* ⋮ ✓

July

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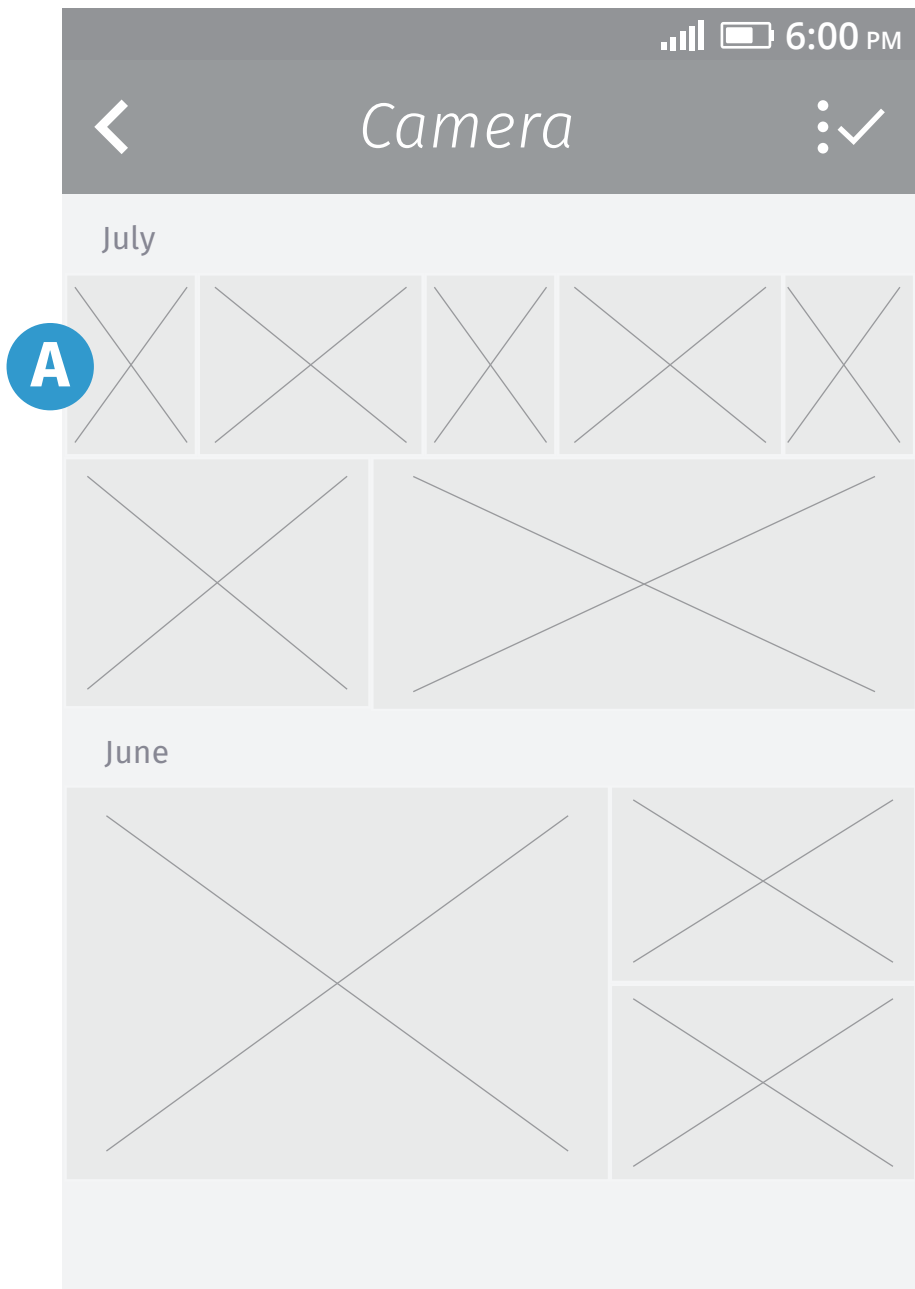
First phase is to use month groupings like today's Gallery app.

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

Visual Design Question:
Should favorites appear differently in sub-views? What about within multi-select? Small indication that an image is also a Favorite?

Favorites View
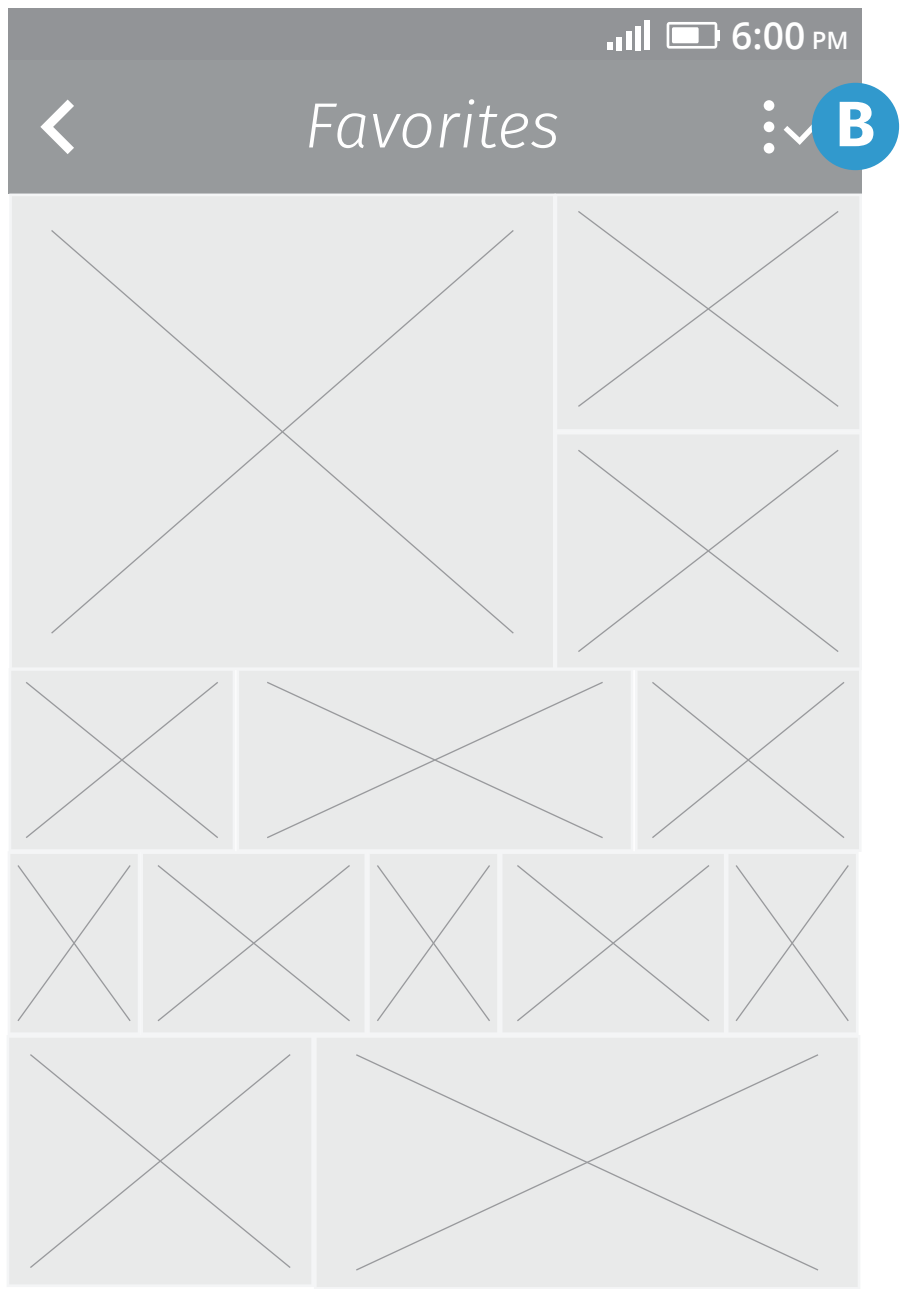
◀	*Favorites* ⋮ ✓ **B**

Organization is according to timestamp not when it was favorited.

Screenshot View
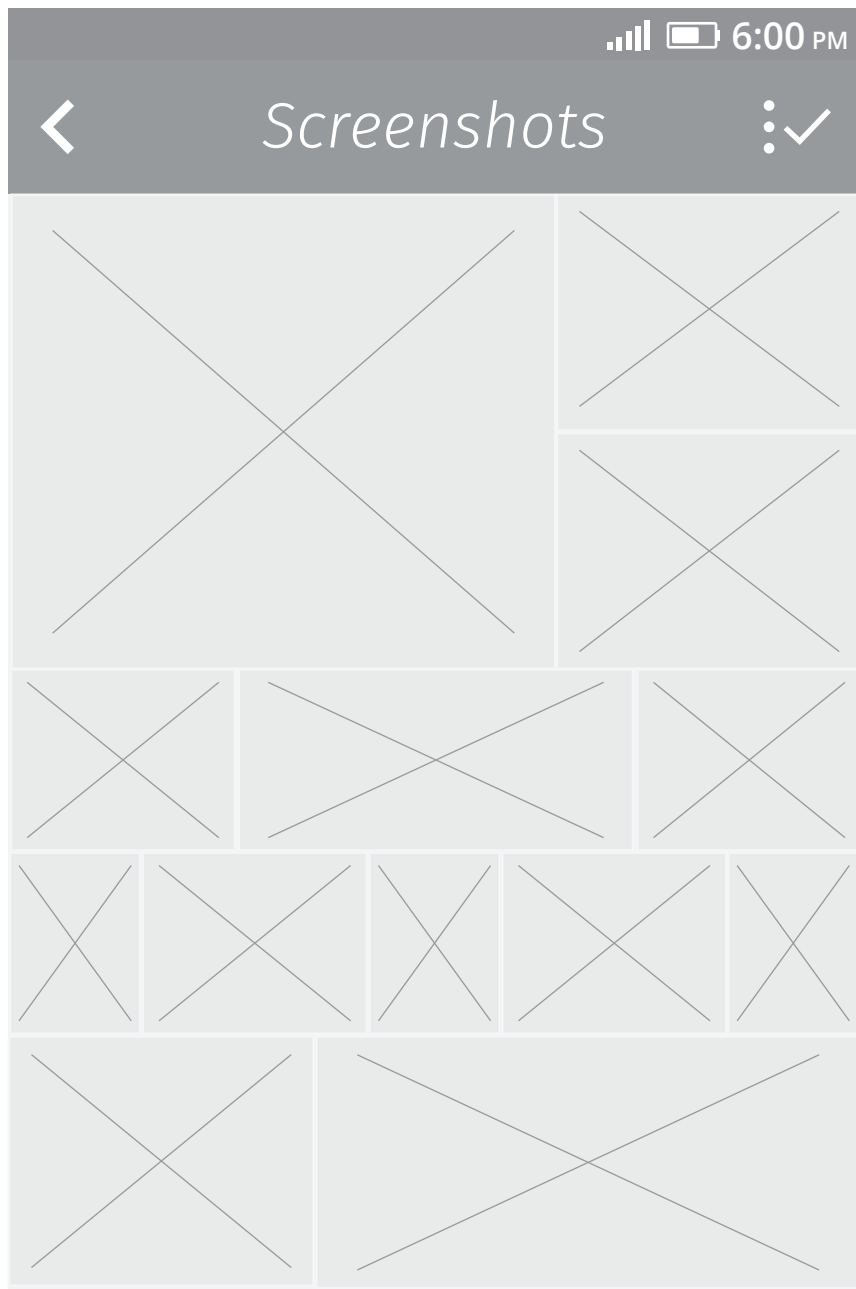
◀	*Screenshots* ⋮ ✓

Shows all screenshots taken.

Other Images
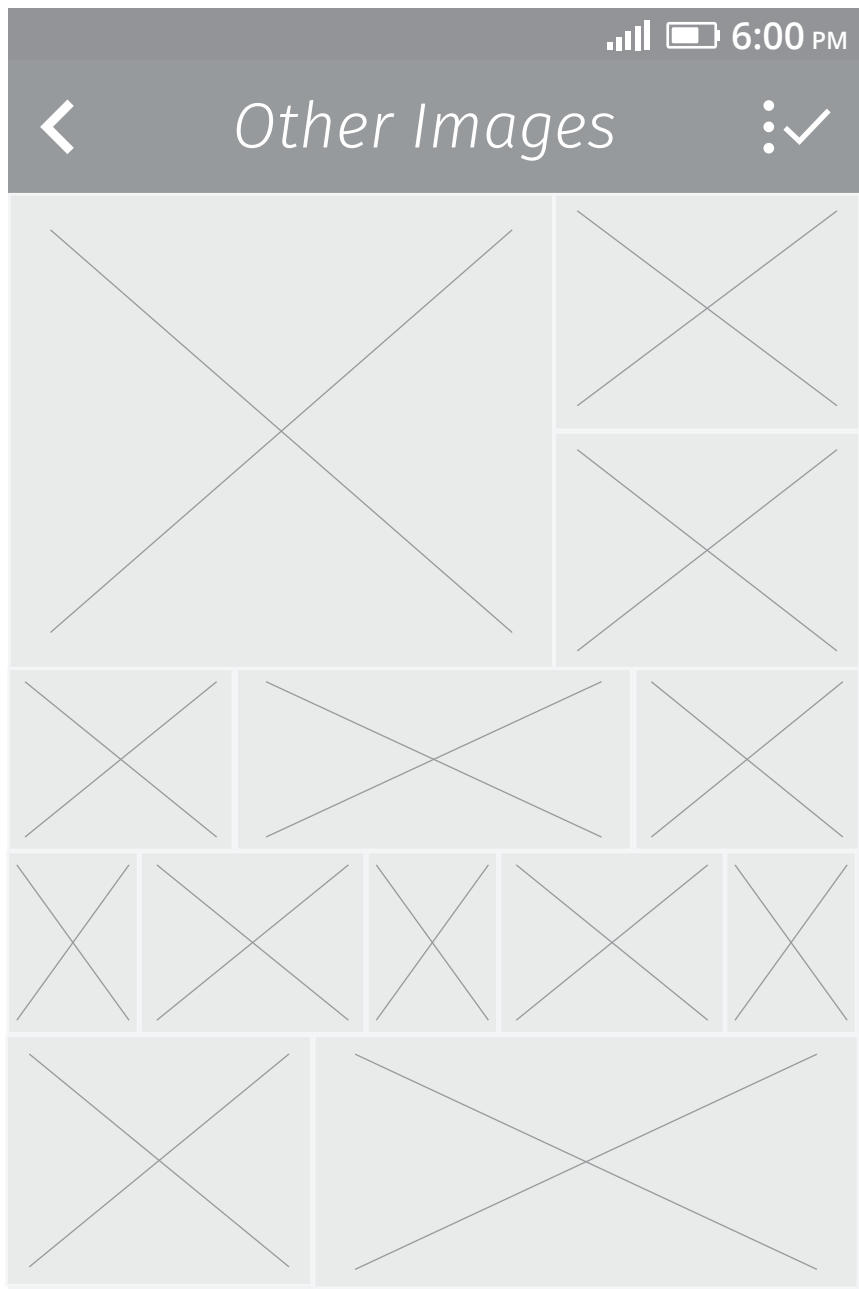
◀	*Other Images* ⋮ ✓

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

....
For 2.2?
Additional options to sort the images: Date, Source, Name (implies editing of Info?)

Date	Source	Name

Everything

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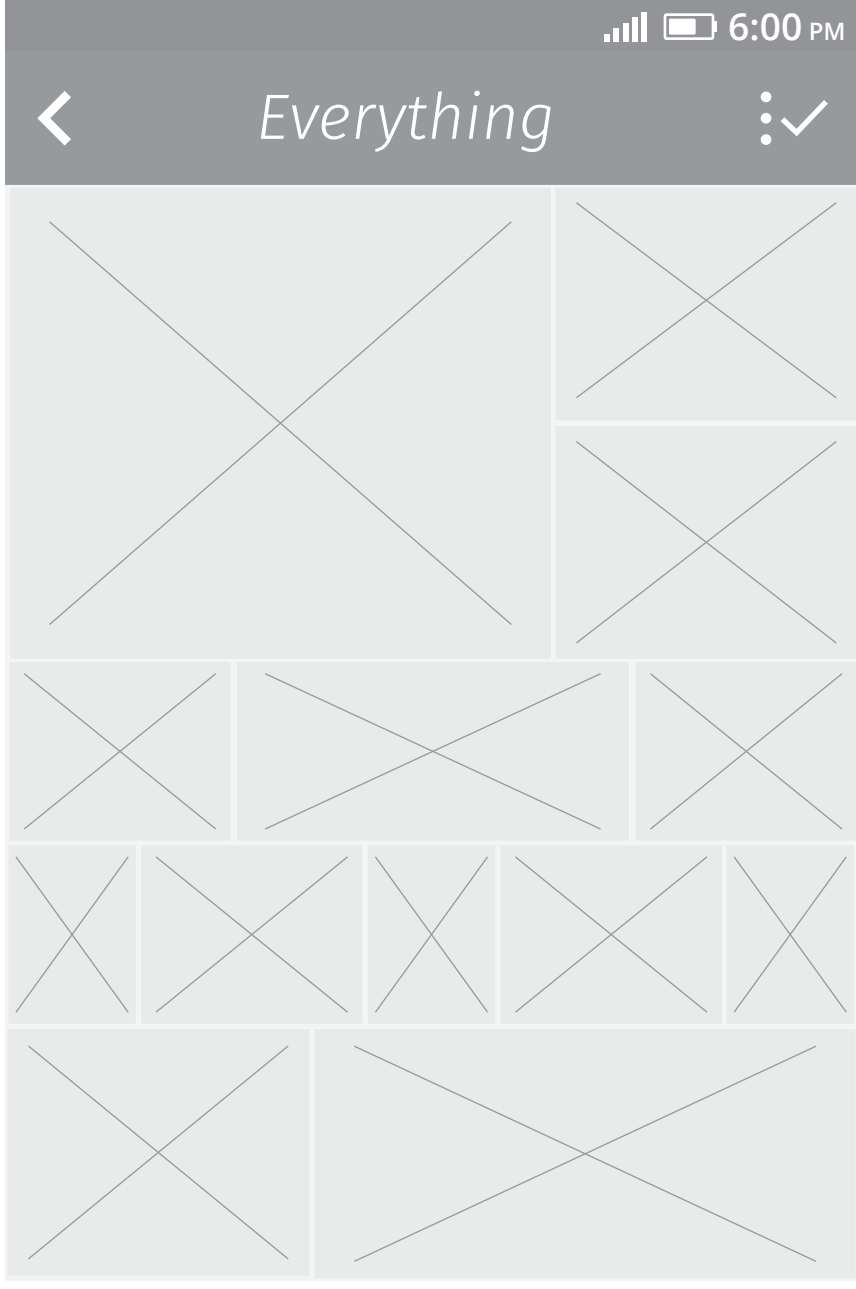
This shows all images in one spot regardless of source. This provides the ability to do mass operations, such as delete, without having to go into each other area.

Finalize Strings

## 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)
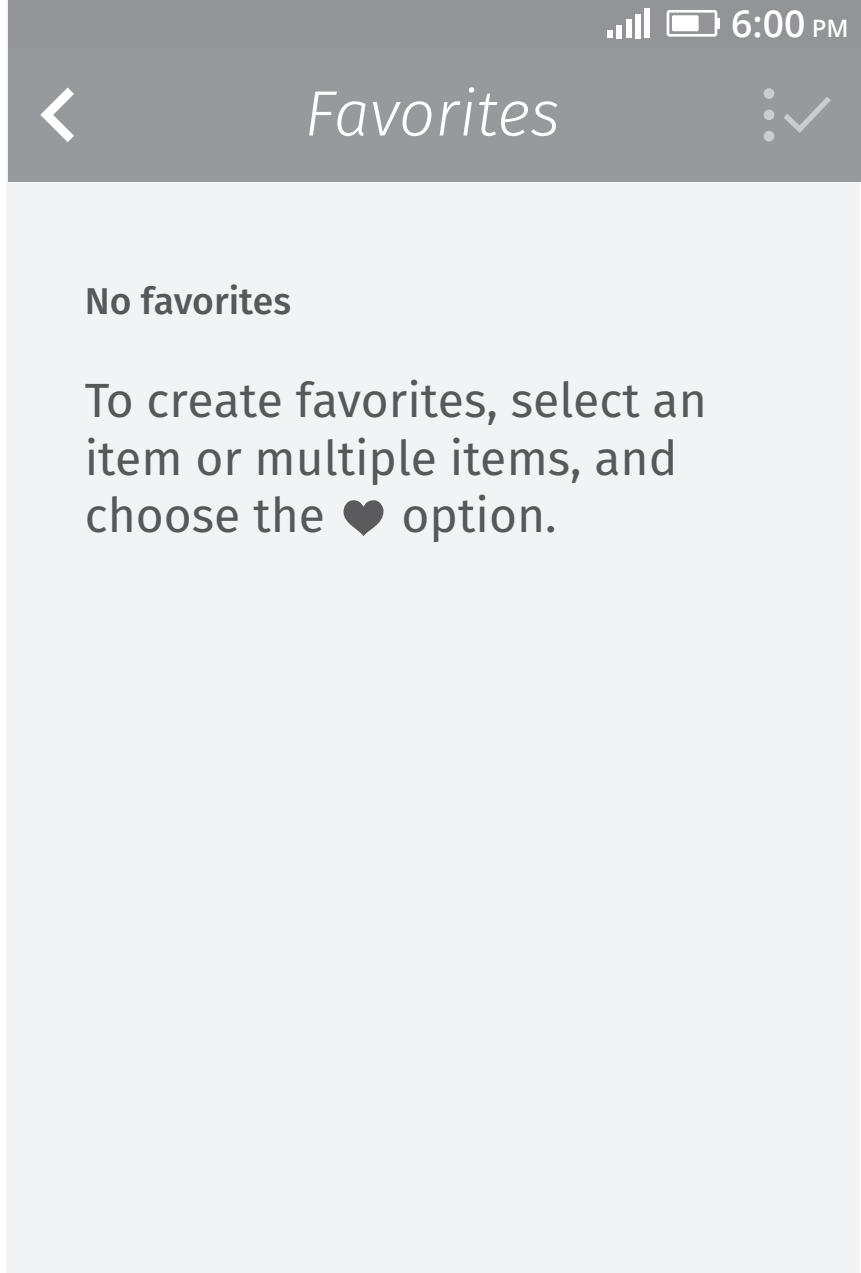
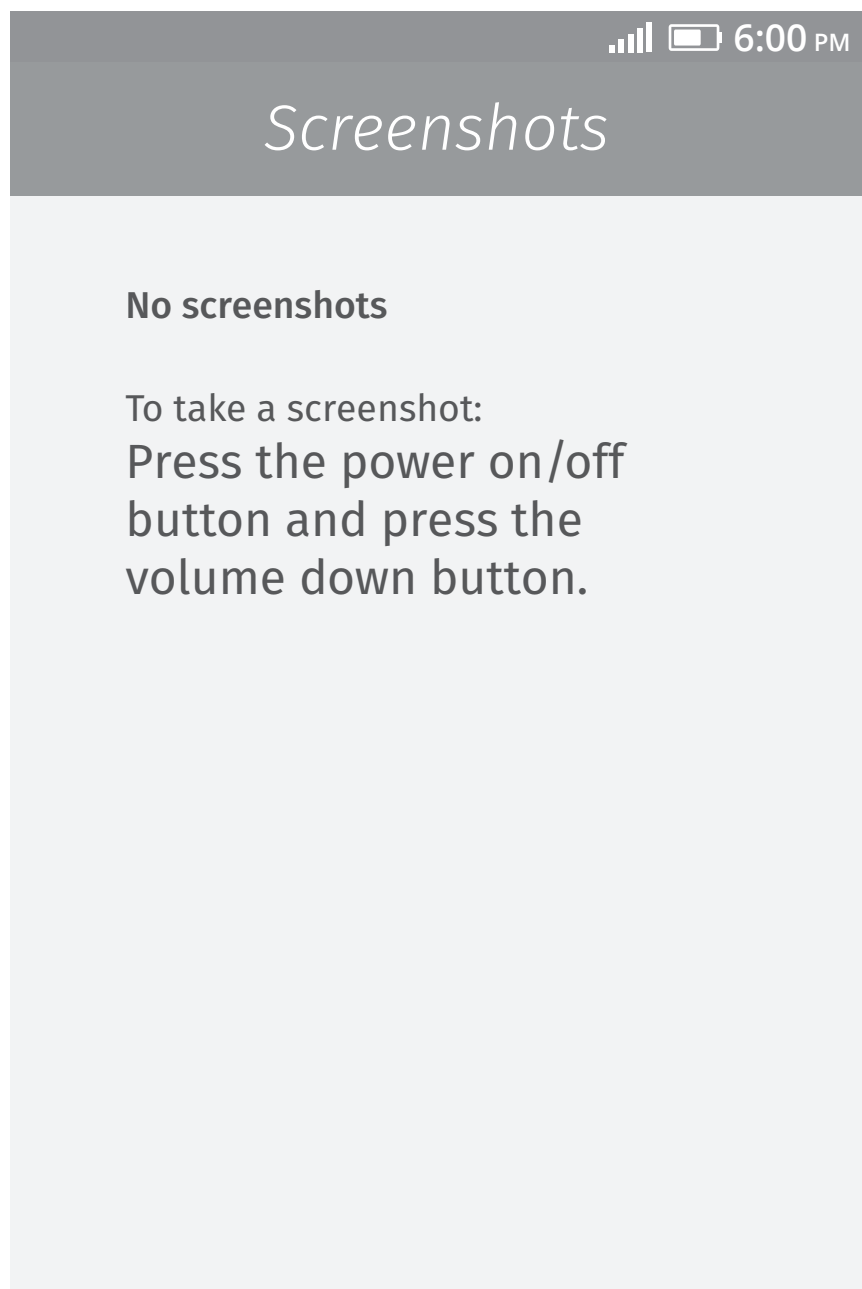# Gallery Sub-View - Details

Camera View - Empty

ıllıll 🔋 6:00 PM
< Camera ⋮ ✓

No photos or videos

Use the Camera app to get started.
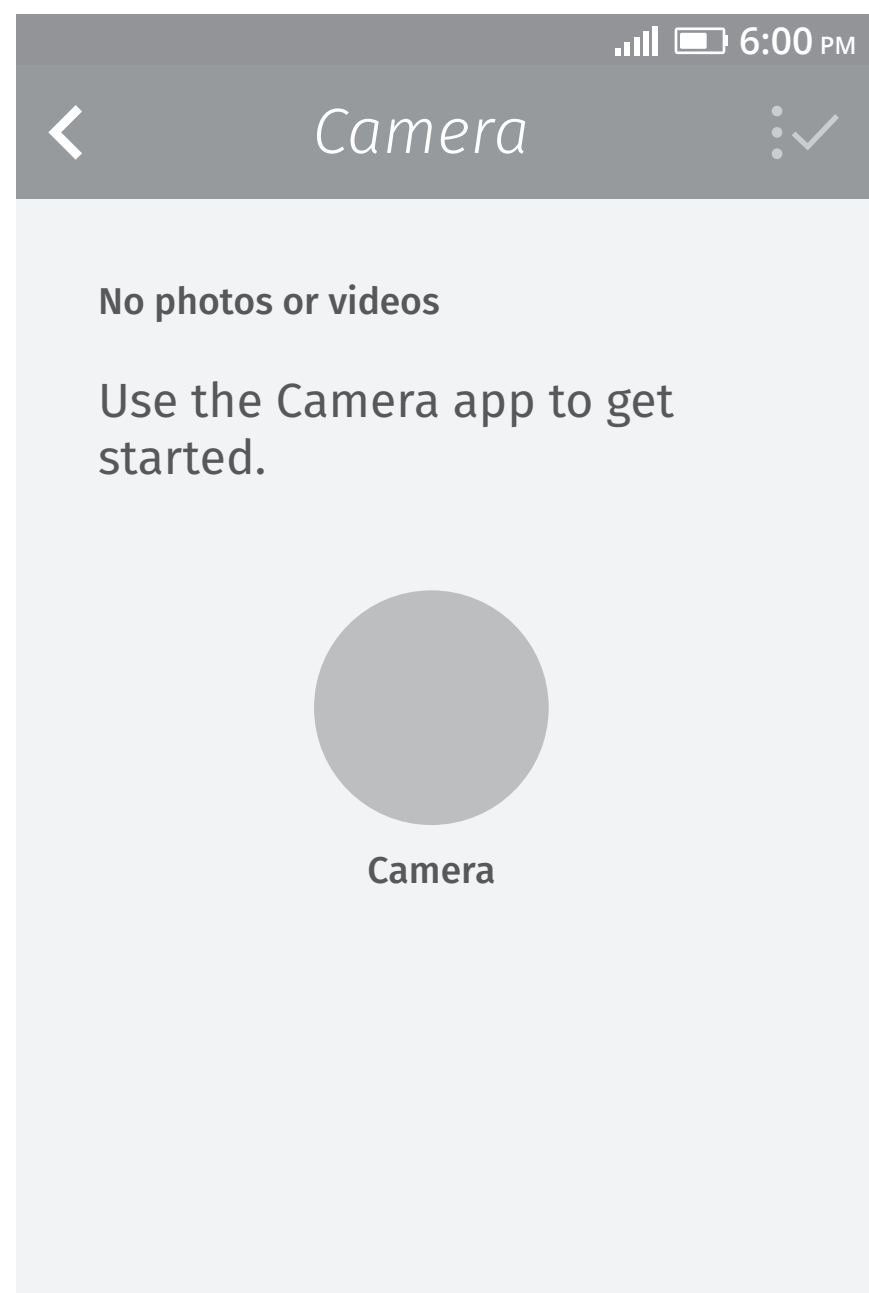
(Camera)

Camera

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

Favorites View - Empty

ıllıll 🔋 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

ıllıll 🔋 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 Images - Empty

ıllıll 🔋 6:00 PM
< Other Images ⋮ ✓

No images

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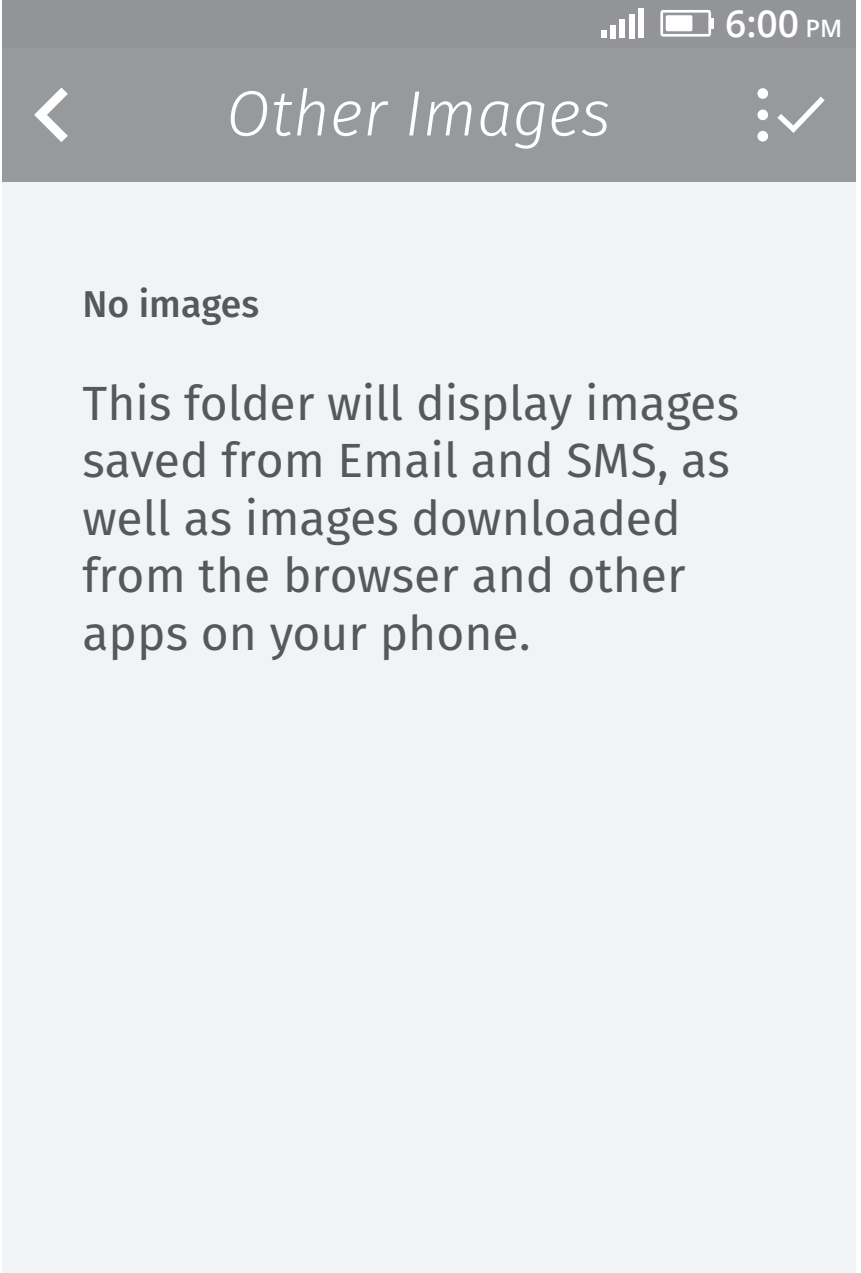
When Other Images folder is empty display message to explain the contents of this folders

Everything - Empty

ıllıll 🔋 6:00 PM
< Everything ⋮ ✓

No photos, videos or screenshots

Use the Camera app to get started.
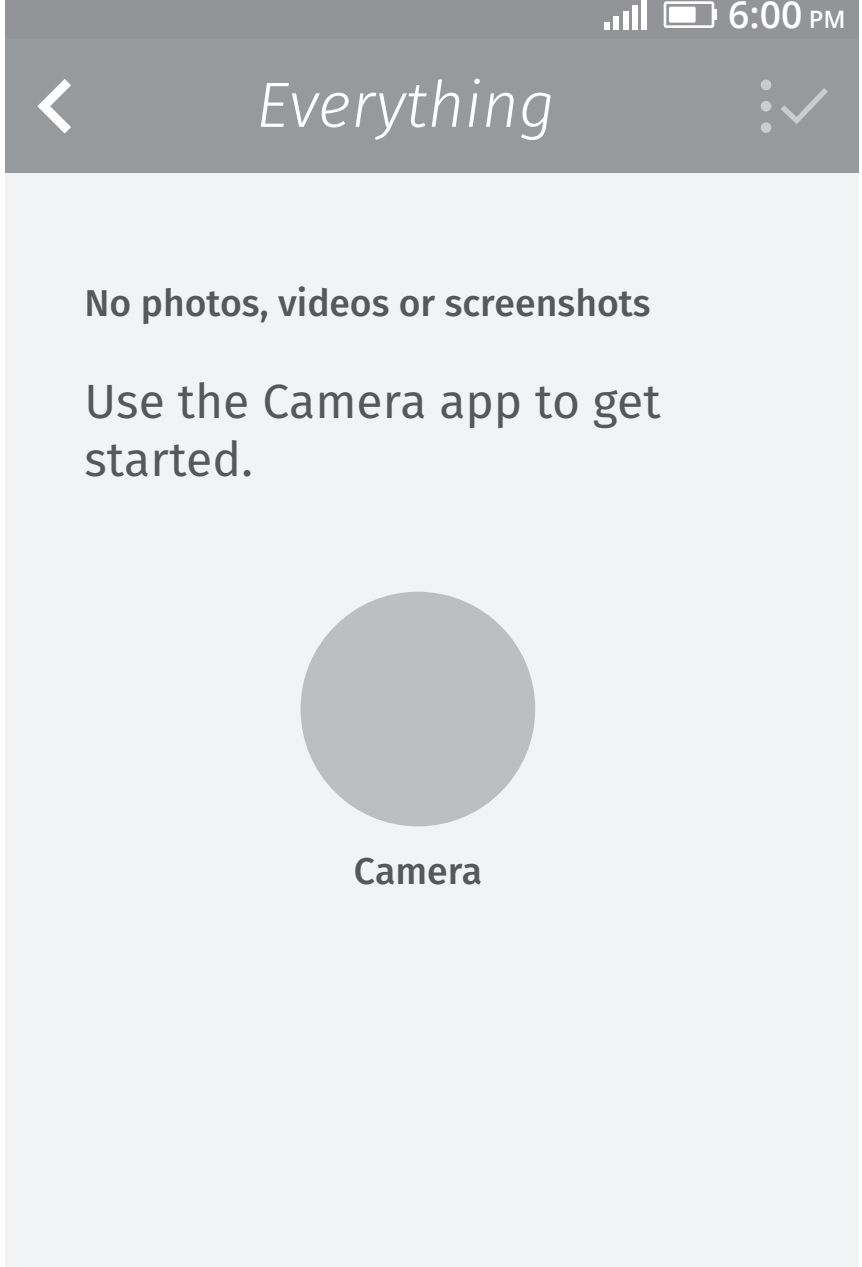
(Camera)

Camera

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

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

Camera

Favorites

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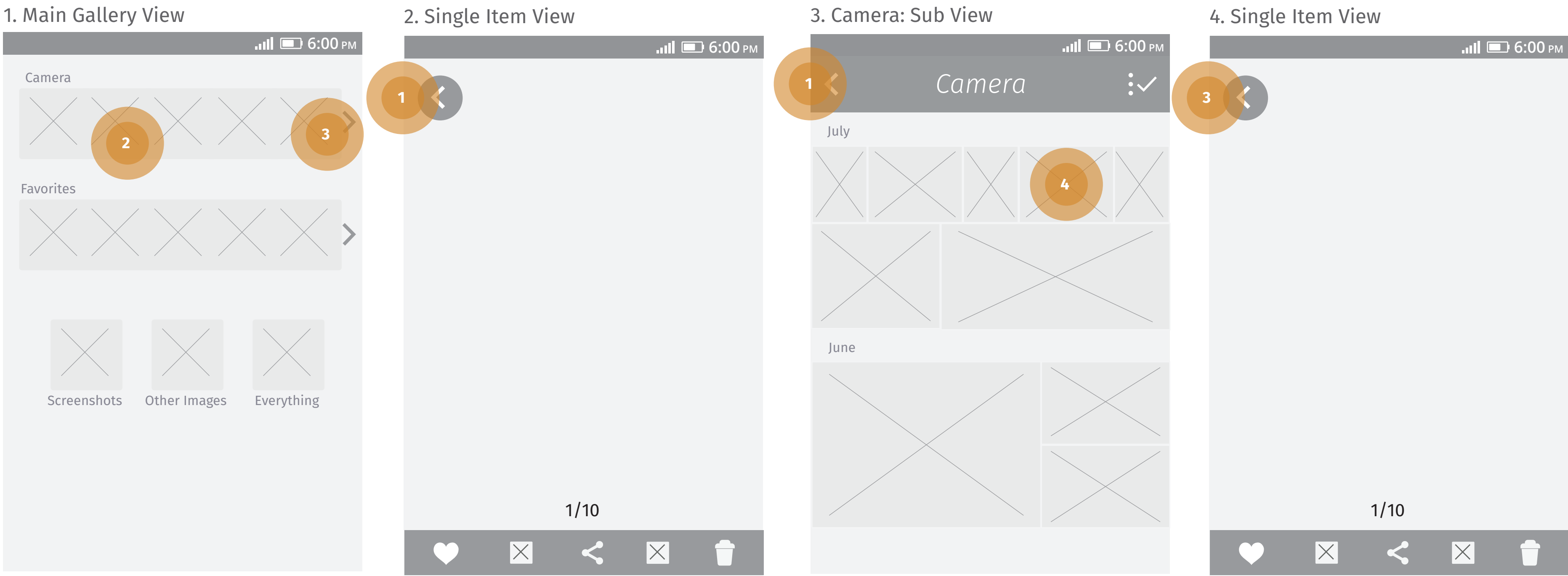
Tapping an individual image in the Camera stream takes user to 2. Single Item View

Tapping "more" takes user to 3. Camera Sub View

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

2. Single Item View

1/10

Tapping the Back arrow returns to 1. Main Gallery View

3. Camera: Sub View

Camera

July

June

Applies to all stream views

Tapping back arrow returns user to 1. Main Gallery View

Tapping a single image takes user 4. Single Image View

4. Single Item View

1/10

Tapping the Back arrow takes user to 3. Camera View.

Multi-Select

Multi-Select - Details

Multi-Select
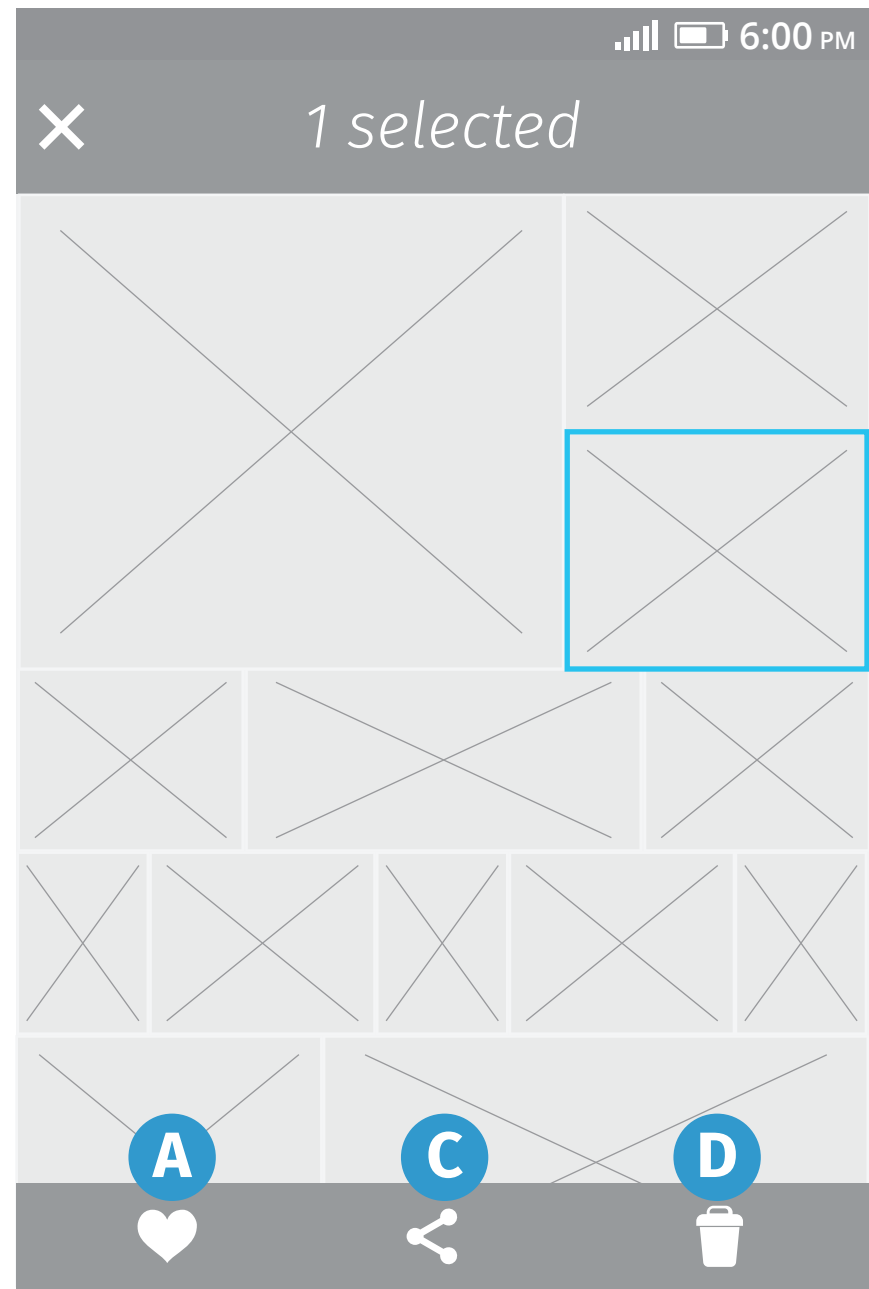
1 selected

Applicable to all views but Favorites.

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

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

Should favorited images appear differently? Small indicator/not obscur image?

Favorites - Multi-Select

1 selected
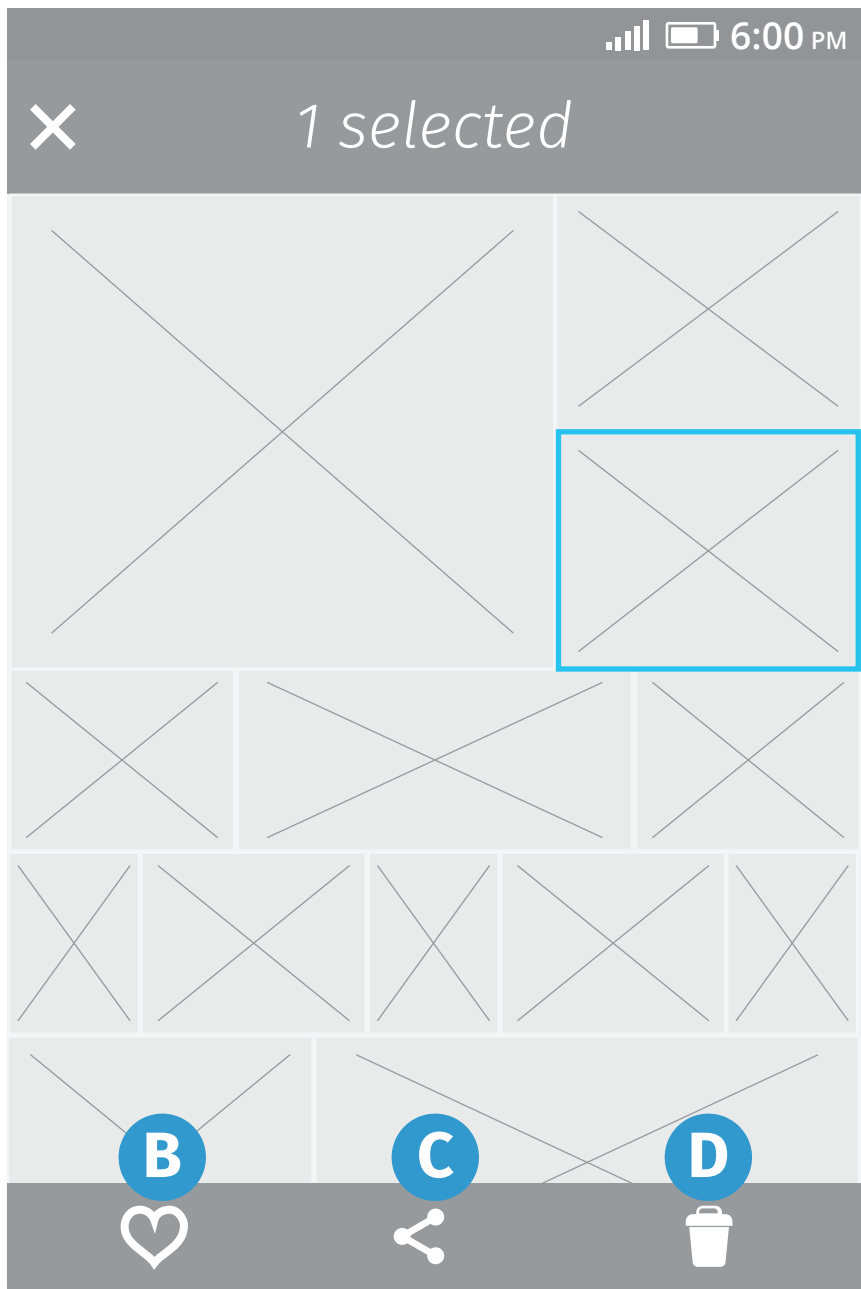
Only applicable to Favorites view.

Do the items immediately disappear or once the user leaves the view?

Can images fade back and/or disappear and images reshuffle?

Confirmation Banner
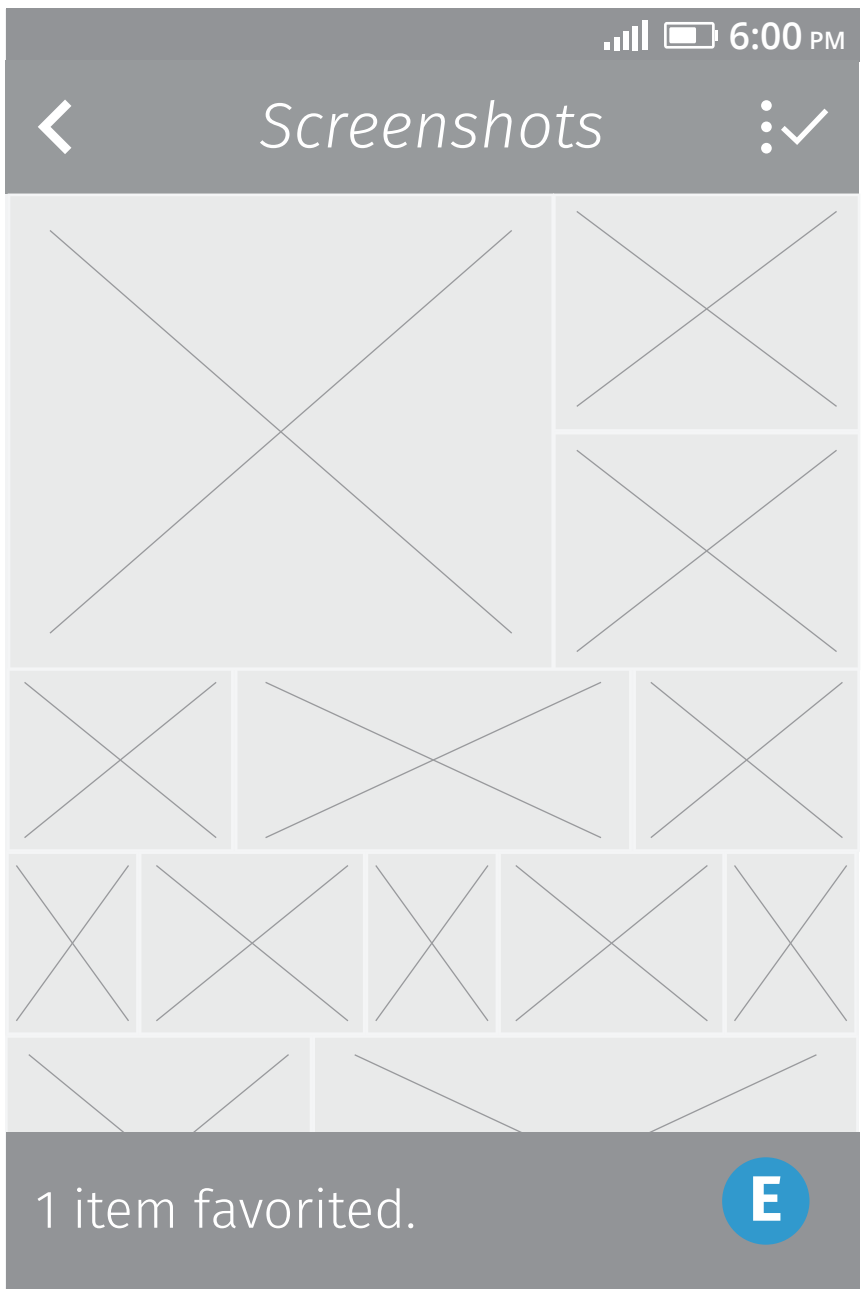
Screenshots

1 item favorited.

Finalize strings - need generic word to cover videos from camera. can we tell if item is photo or video?

Confirmation Banner
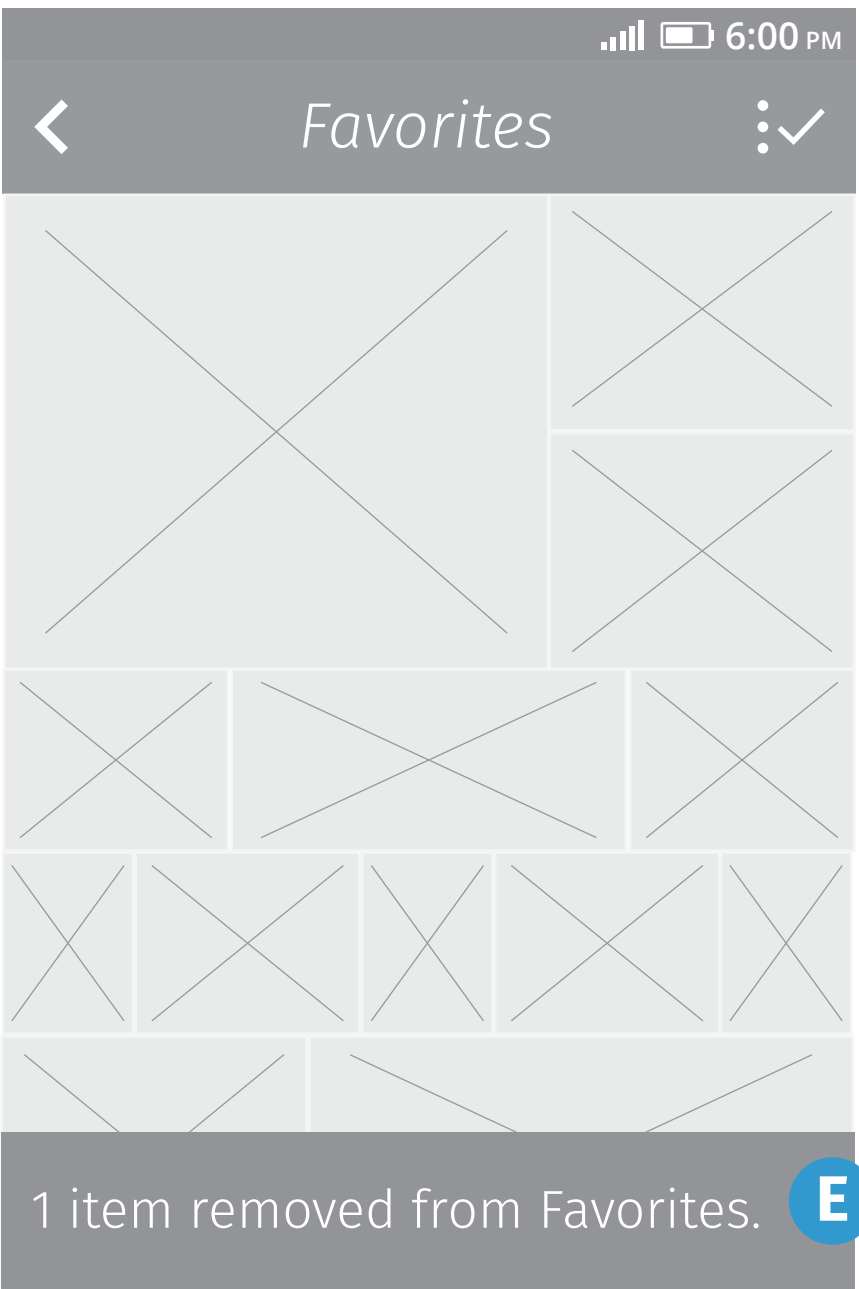
Favorites

1 item removed from Favorites.

Finalize strings - need generic word to cover videos from camera. can we tell if item is photo or video?

Make language of both banners more consistent.

Notes

A Favorite
From any sub-view (except favorite), the user can bulk favorite items. To keep the UI simple and clear, this is not a toggle - items can only be favorited.

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.
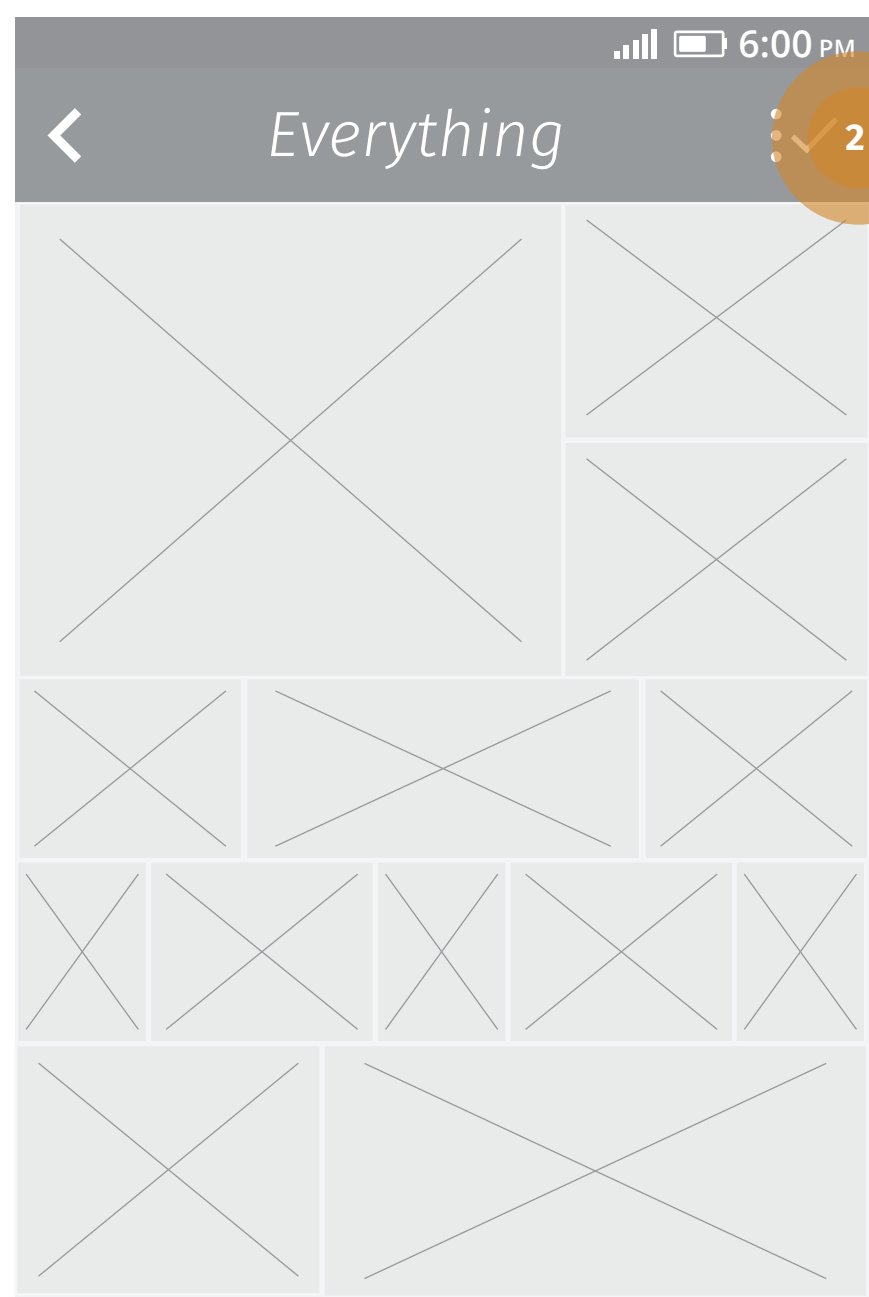
E Banner
After favoriting or unfavoriting an item, show a confirmation banner.

Note: need to be minful of language for localization consideration. Example:

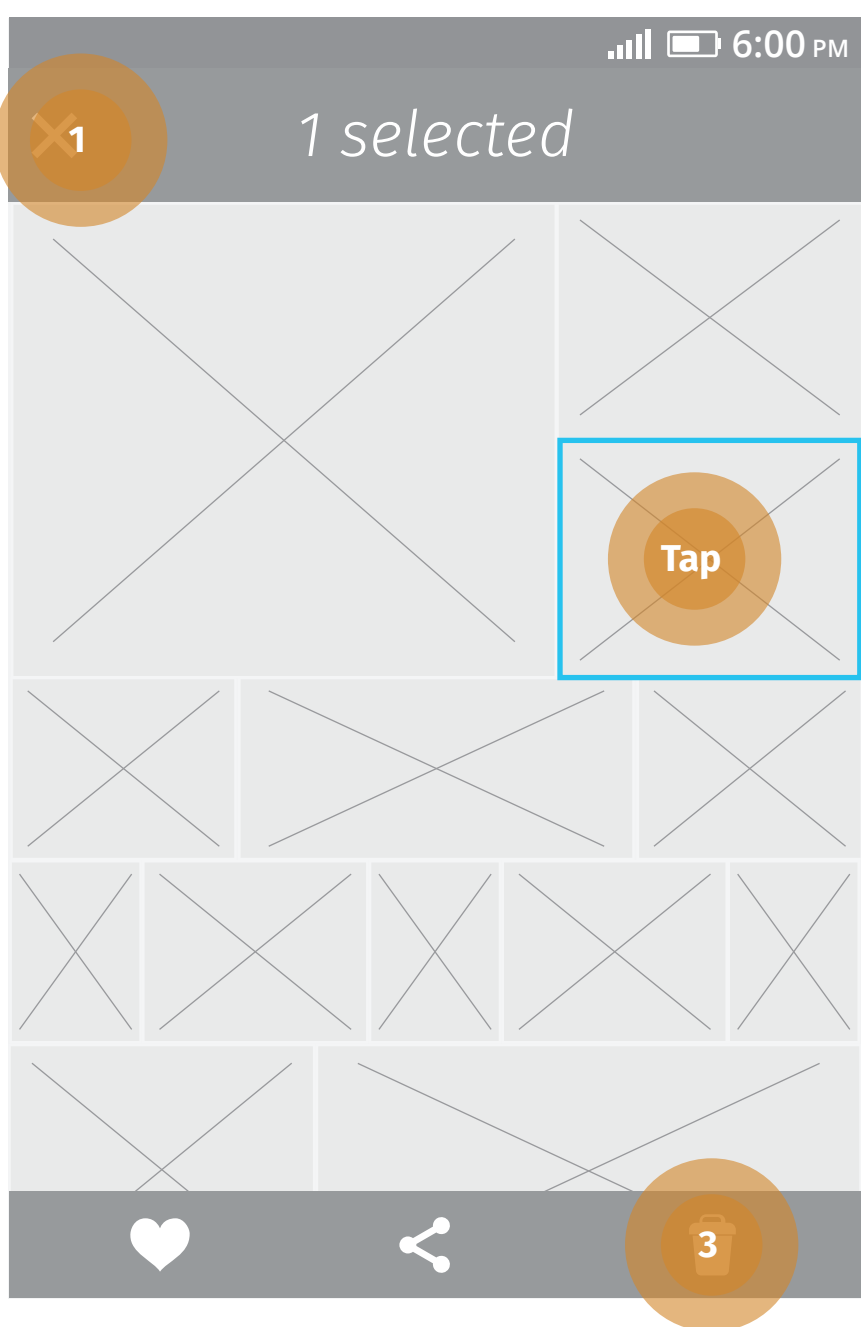2 items unfavorited.
vs
2 items removed from Favorites.

Firefox OS

Multi-Delete - Flow

1. Sub-View

‹ Everything ⋮✓ **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

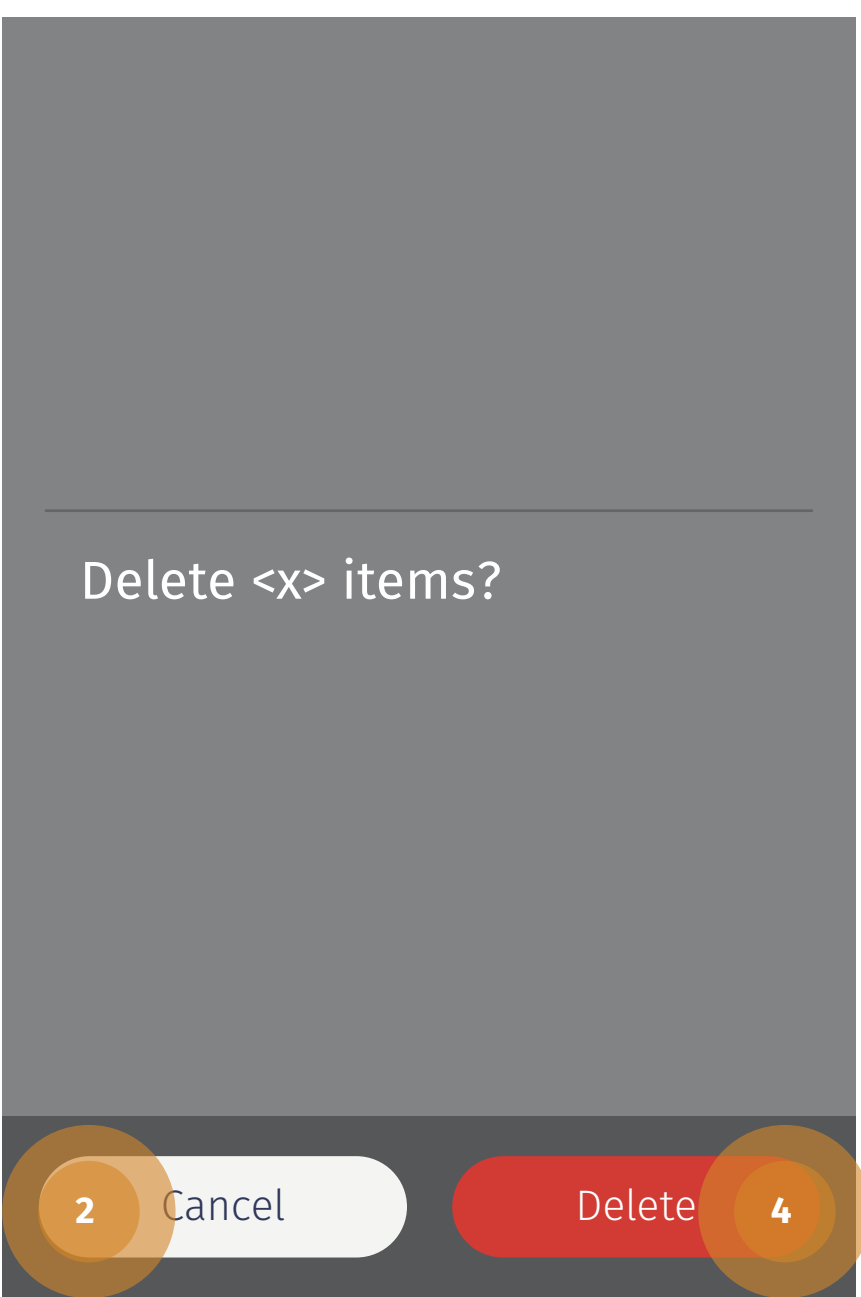| |
|---|
| ✕ **1** 1 selected |
| Tap |
| ♥ ‹ **3** |

Tapping on items selects/deselects.

Tapping cancel exits with no further action taken.

Tapping delete presents a confirmation.

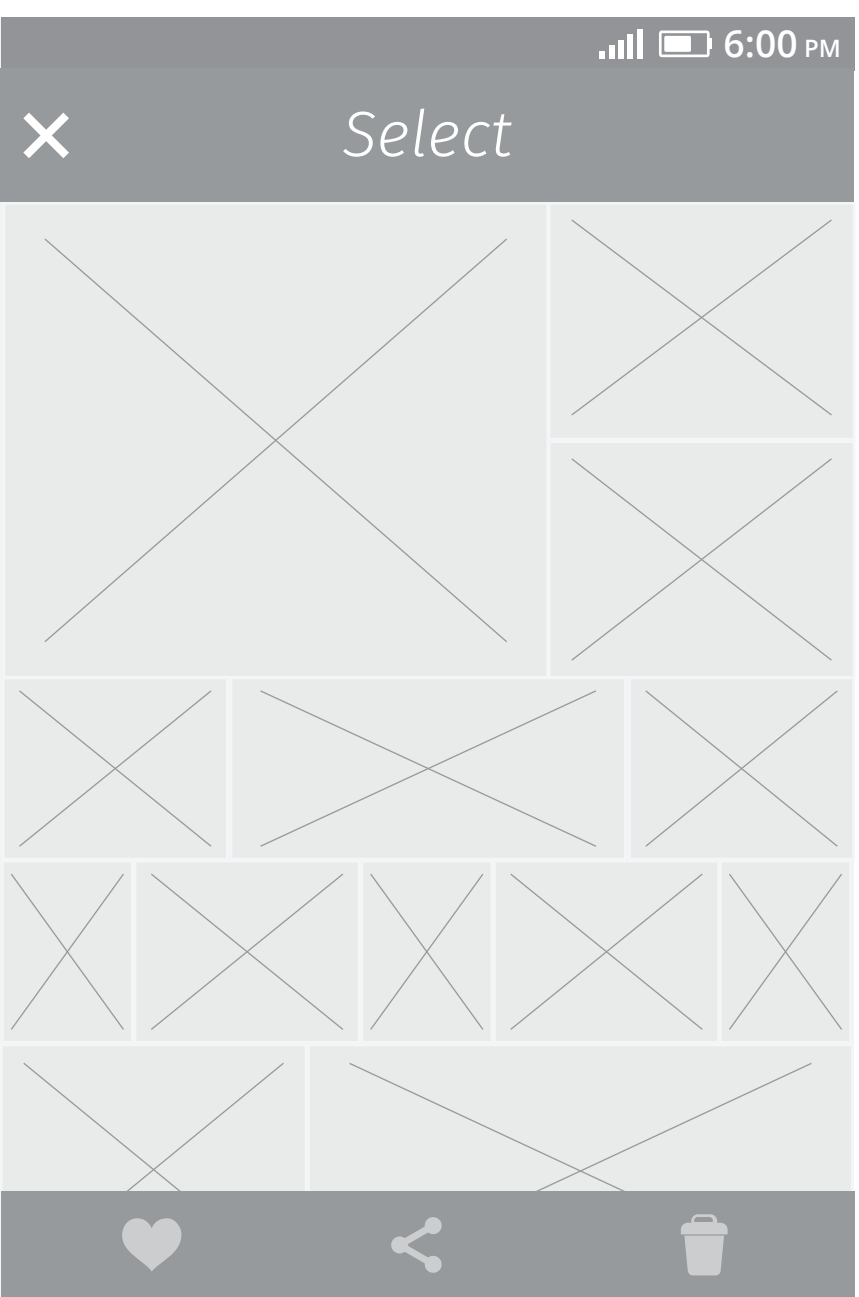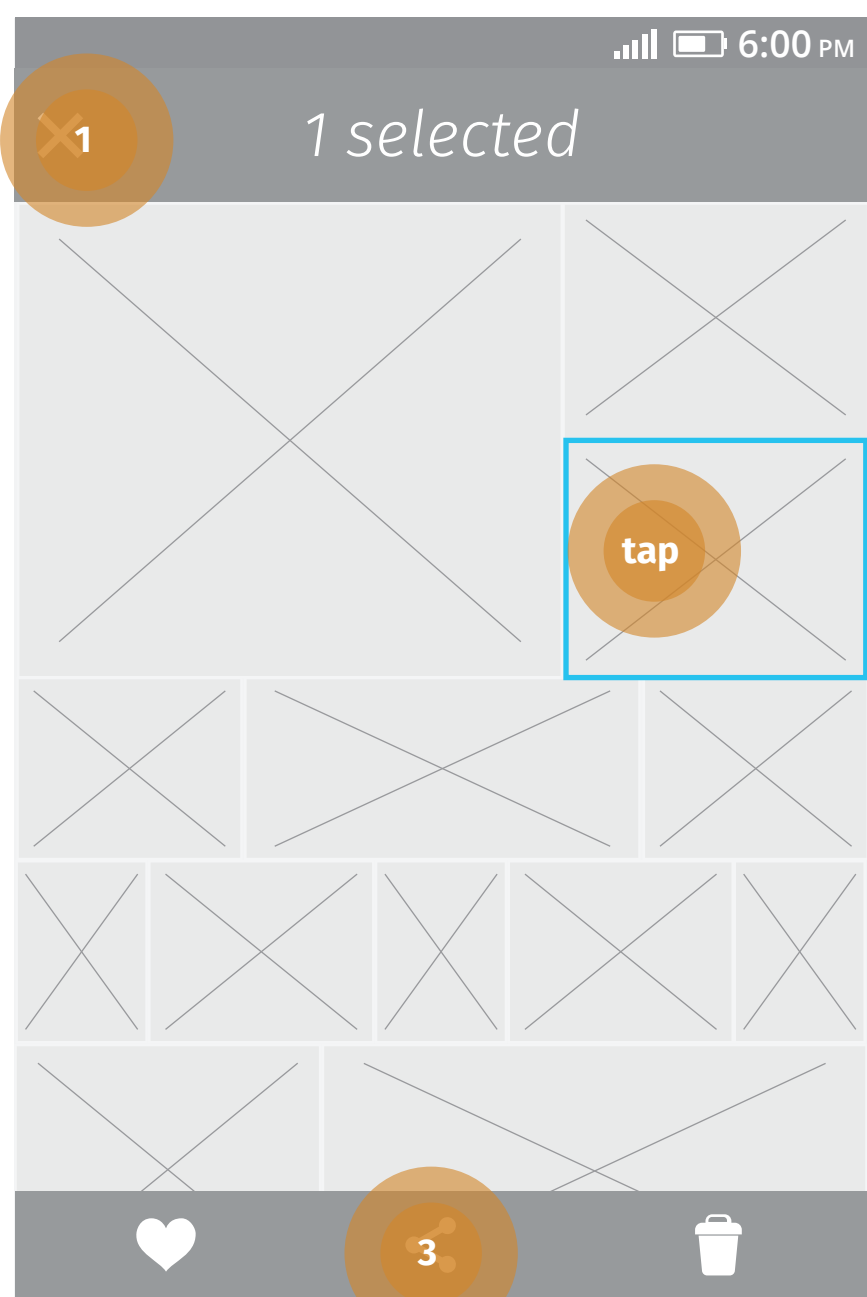Toolbar icons are grayed out until 1 item has been selected.

3. Delete

Delete <x> items?
2 Cancel / Delete **4**

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

Tapping delete, deletes the selected items.

Finalize strings - what to use instead of items? Be consistent.

4. Multi-Select

✕ Select
6:00 PM
♥ ‹ 🗑

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

Remains in multi-select mode.

Multi-Share - Flow

1. Sub-View

Everything

This applies to all sub-views.

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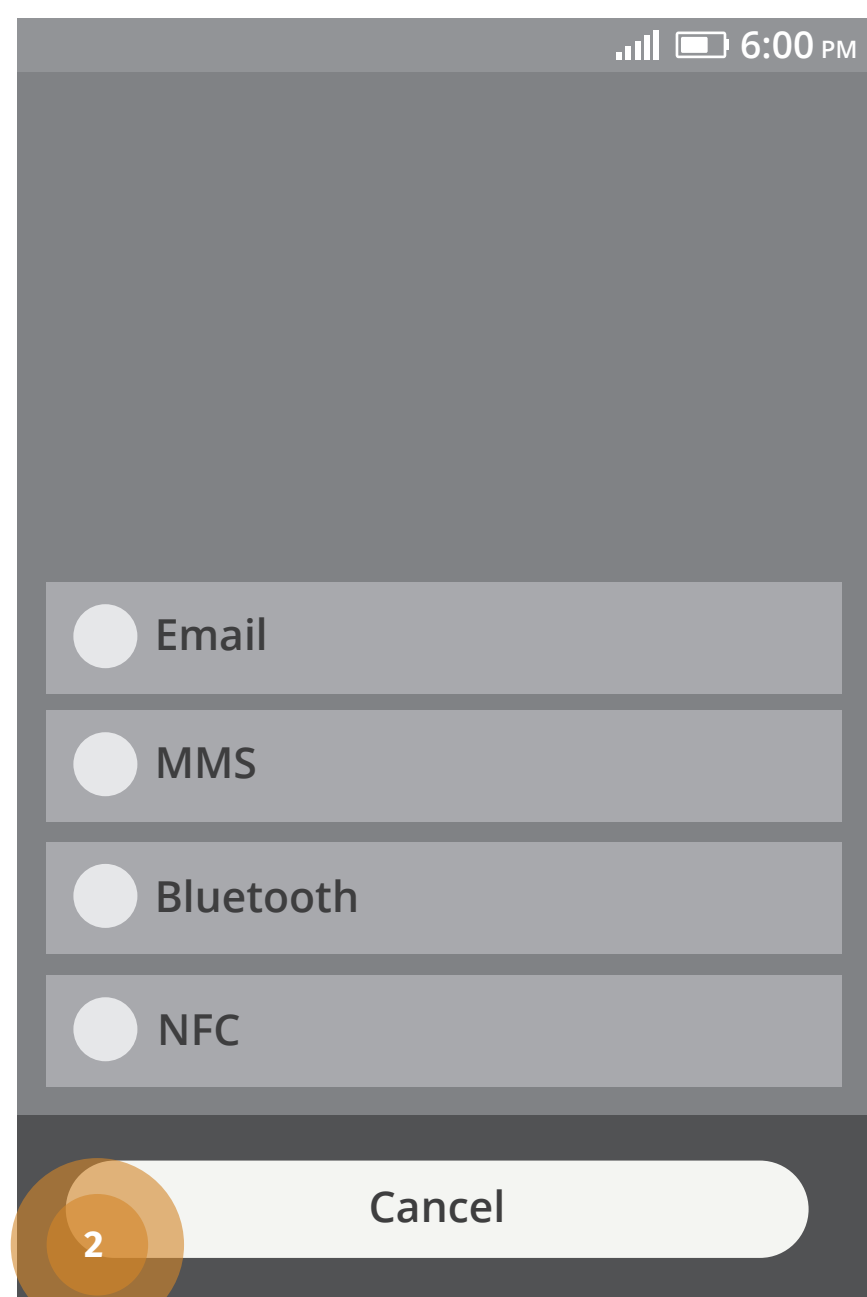
2. Multi-Select

1 selected

tap

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

- 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.

Multi-Favorite - Flow
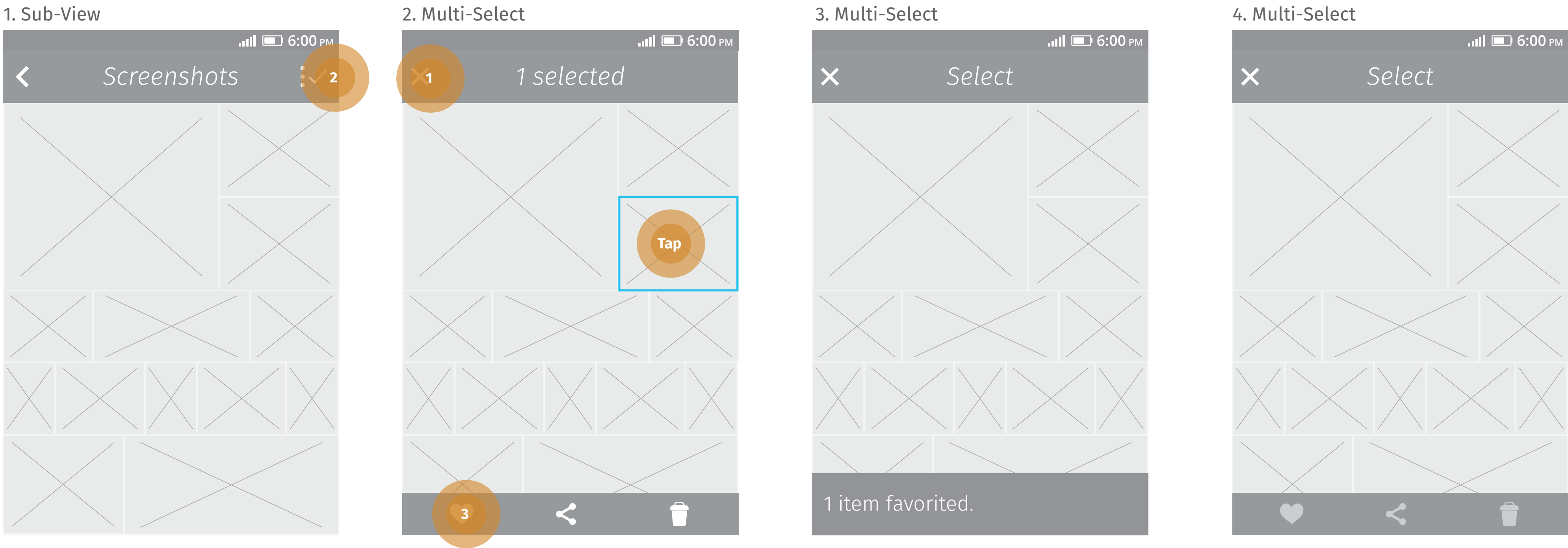
1. Sub-View

Screenshots

2. Multi-Select

1 selected

Tap

3. Multi-Select

Select

1 item favorited.

4. Multi-Select

Select

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.

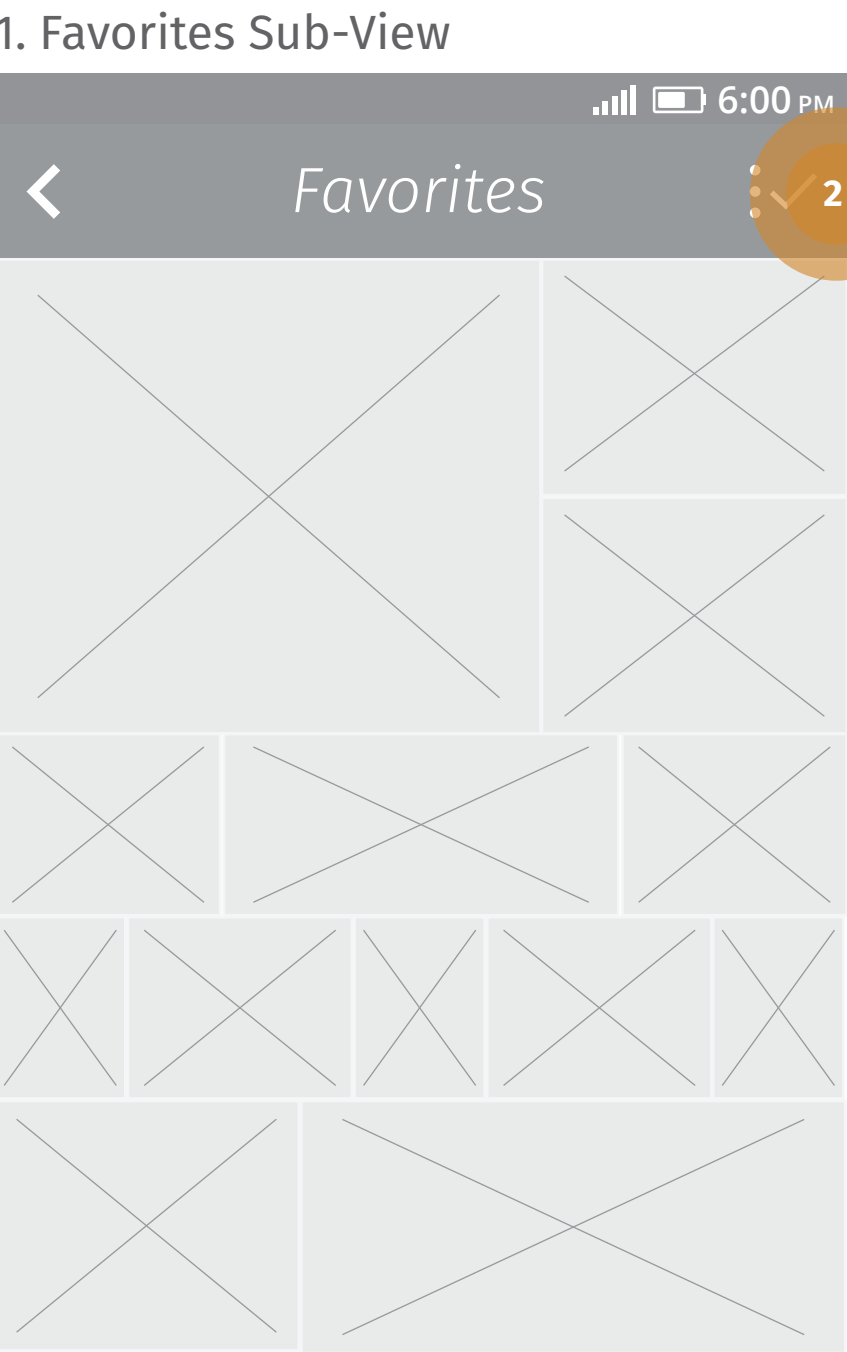Tapping favorite adds the selected items to the favorites sub-view.

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

Selected items are favorited. A confirmation banner is shown. Banner fades away in 3 seconds, revealing Multi-Select toolbar

Should there be a visual indicator on thumbnails of favorited images (important not to obscur image)?

Multi-Unfavorite - Flow

1. Favorites Sub-View

This only applies to all the favorites sub-view.

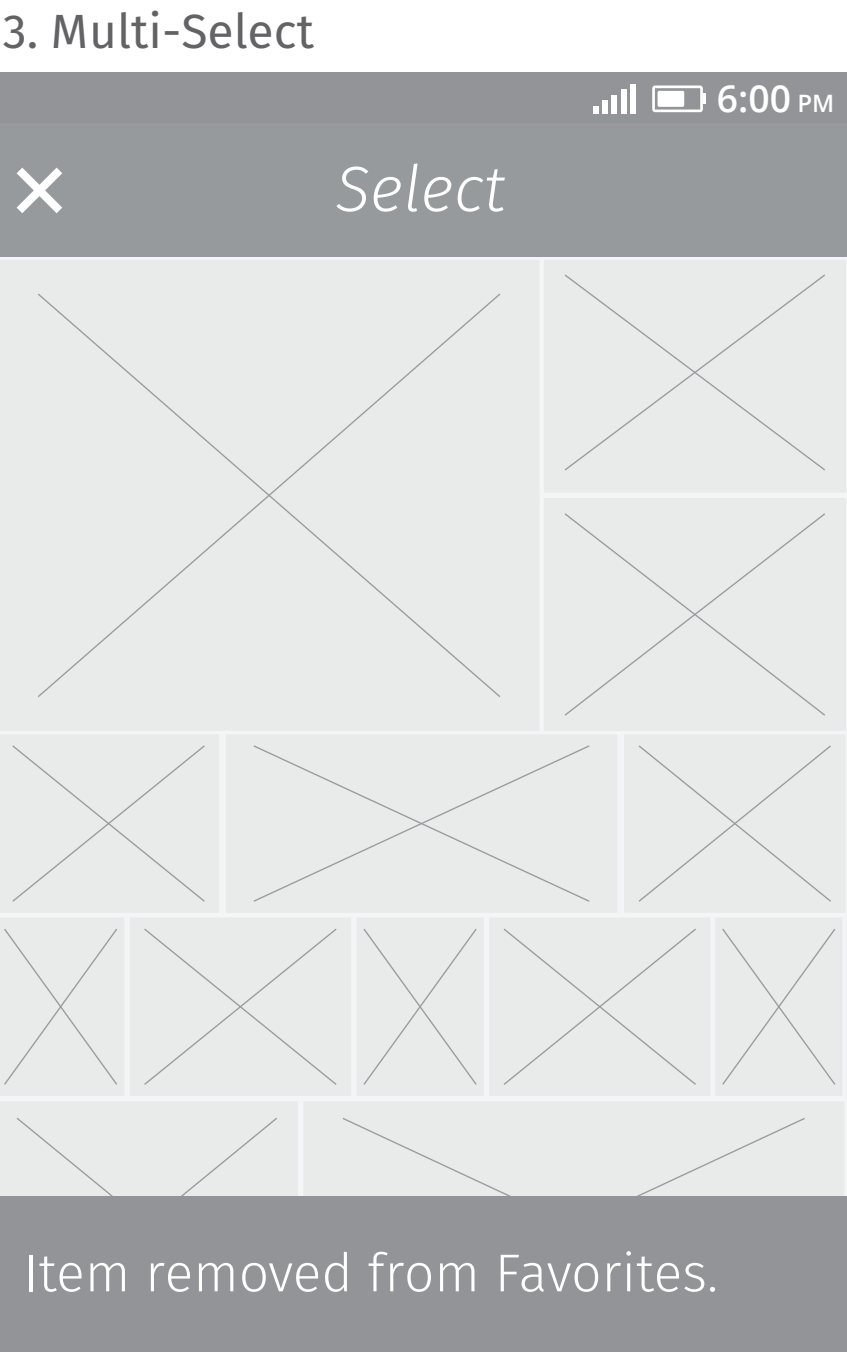Tapping allows the user to select multiple items and take an action.
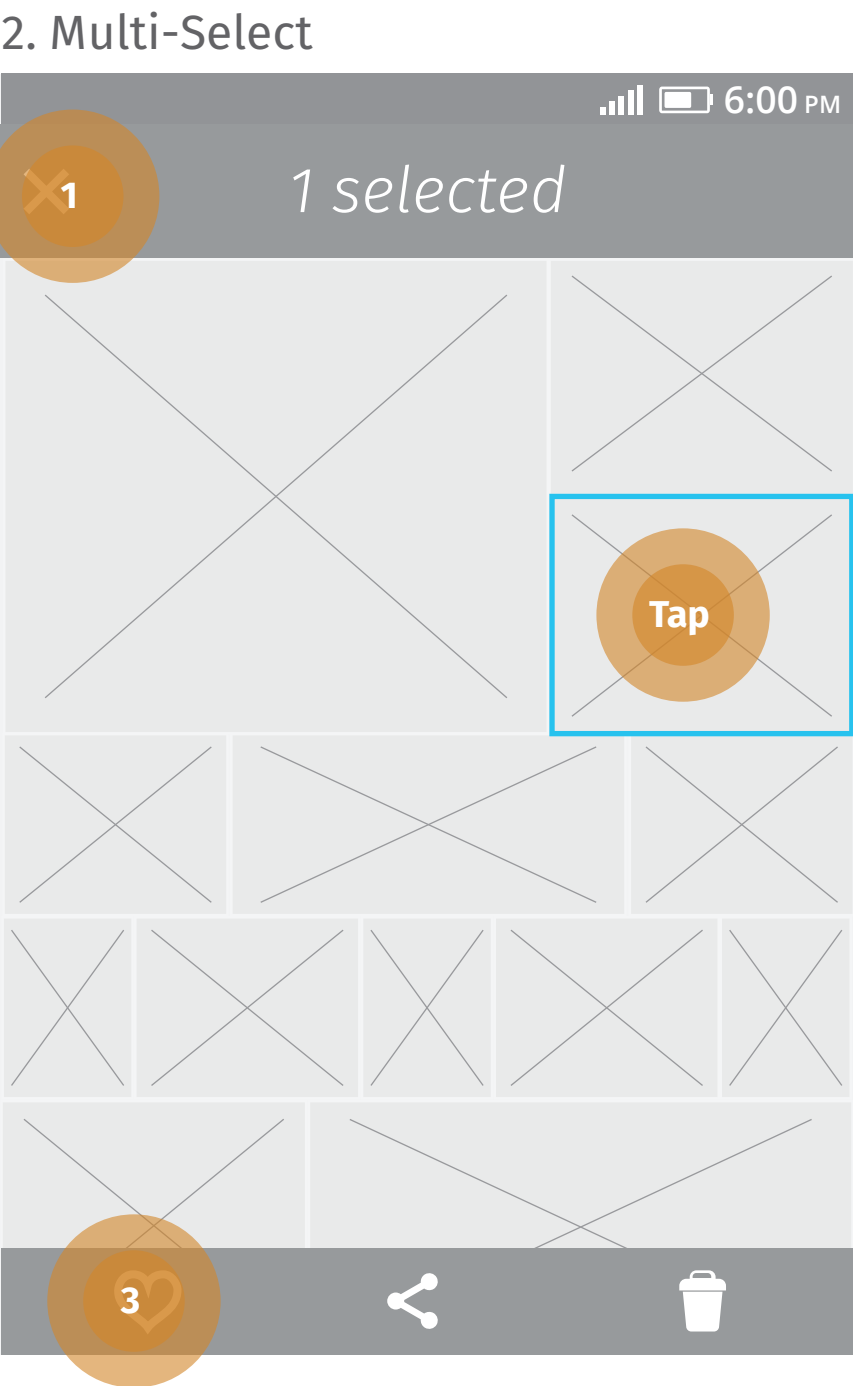
2. Multi-Select

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

Item removed from Favorites.

Selected items are unfavorited and immediately removed. A confirmation banner is shown. Banner fades away in 3 seconds, revealing Multi-Select toolbar
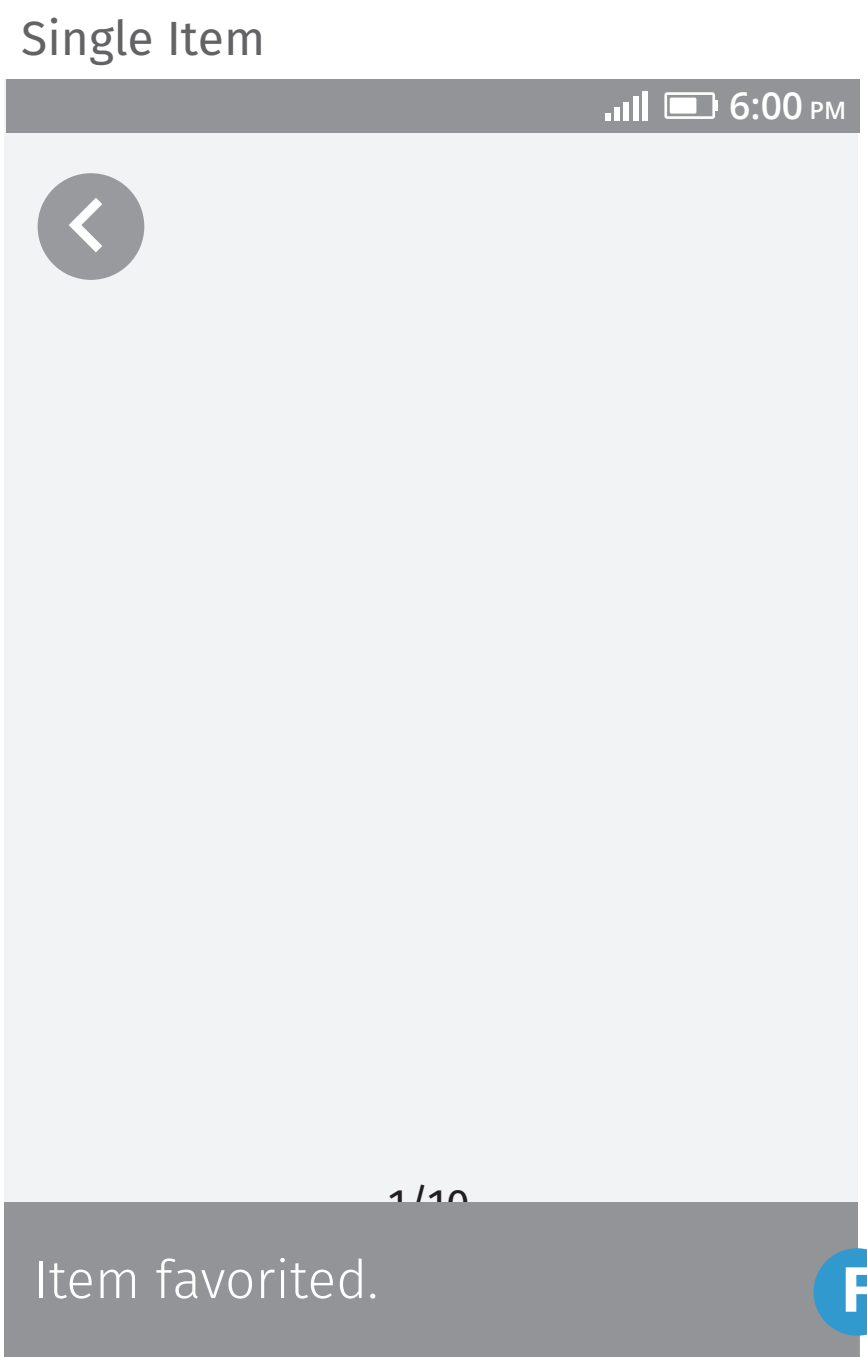
Finalize strings - see detail page.

Can items be immediately removed and everything re-shuffled? Can unfavorited image be animated (scaled/fades/flips) and disappear?
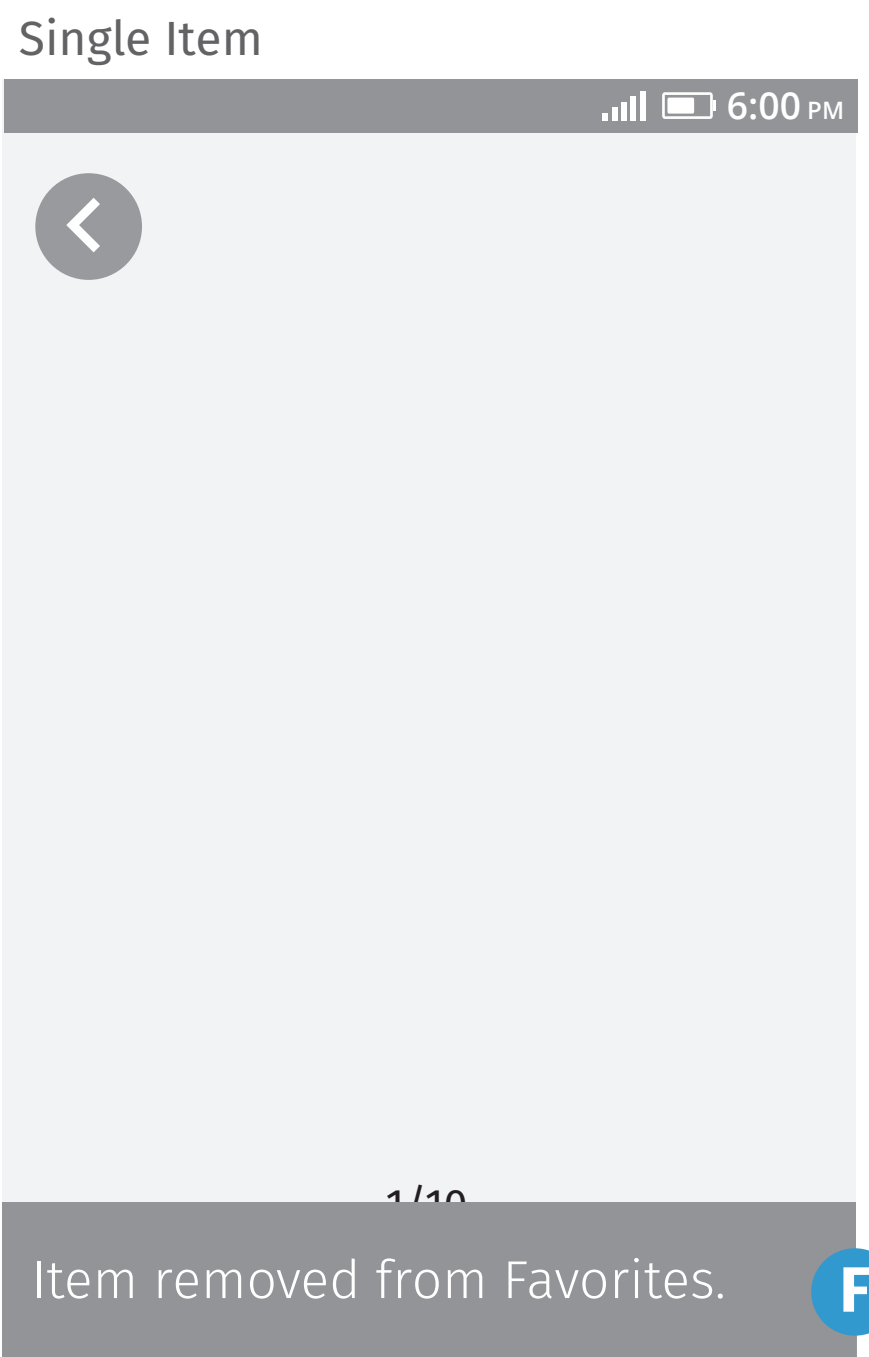
4. Multi-Select

Single Photo/Video View
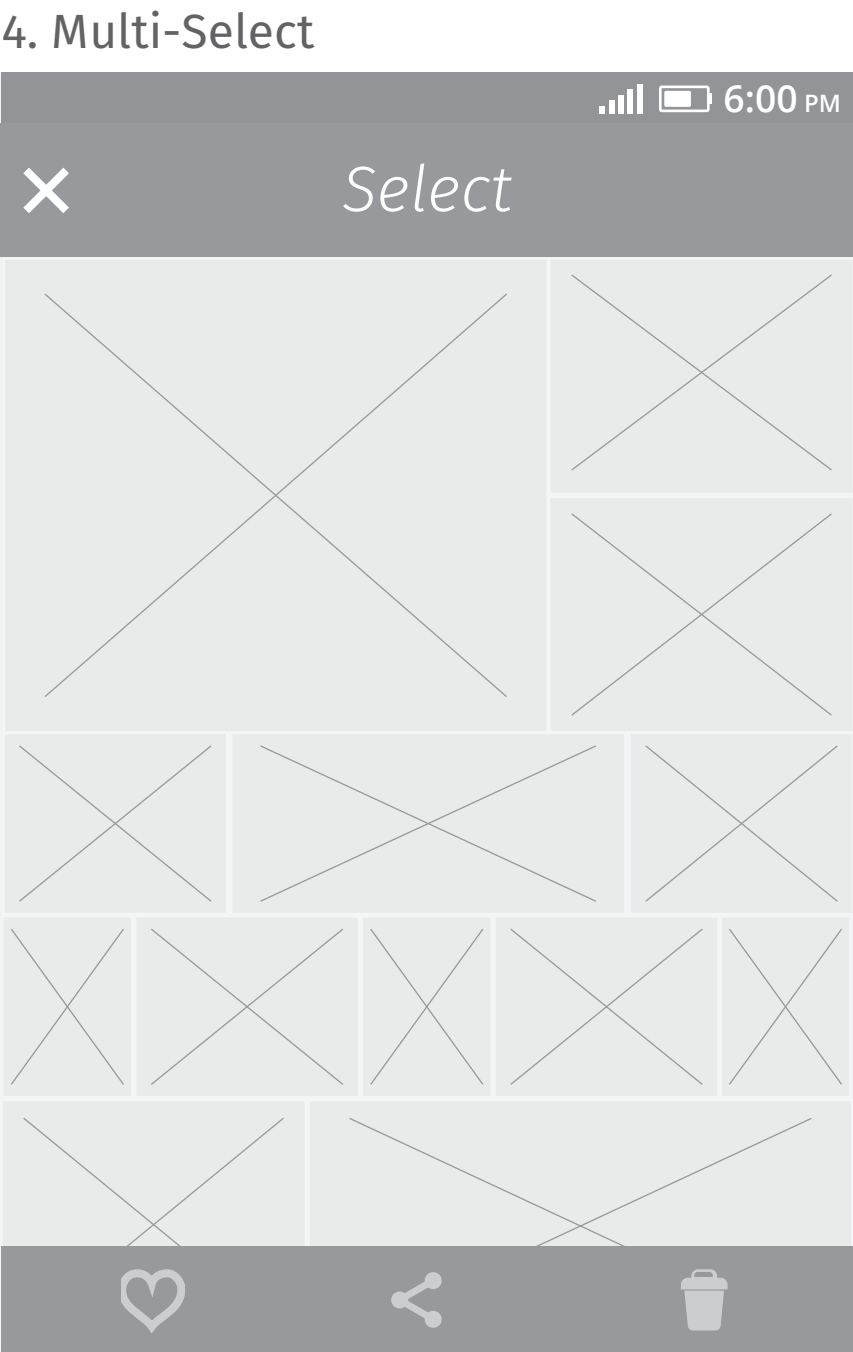
Single Photo/Video - Details

Single Item

all 6:00 PM

1/10
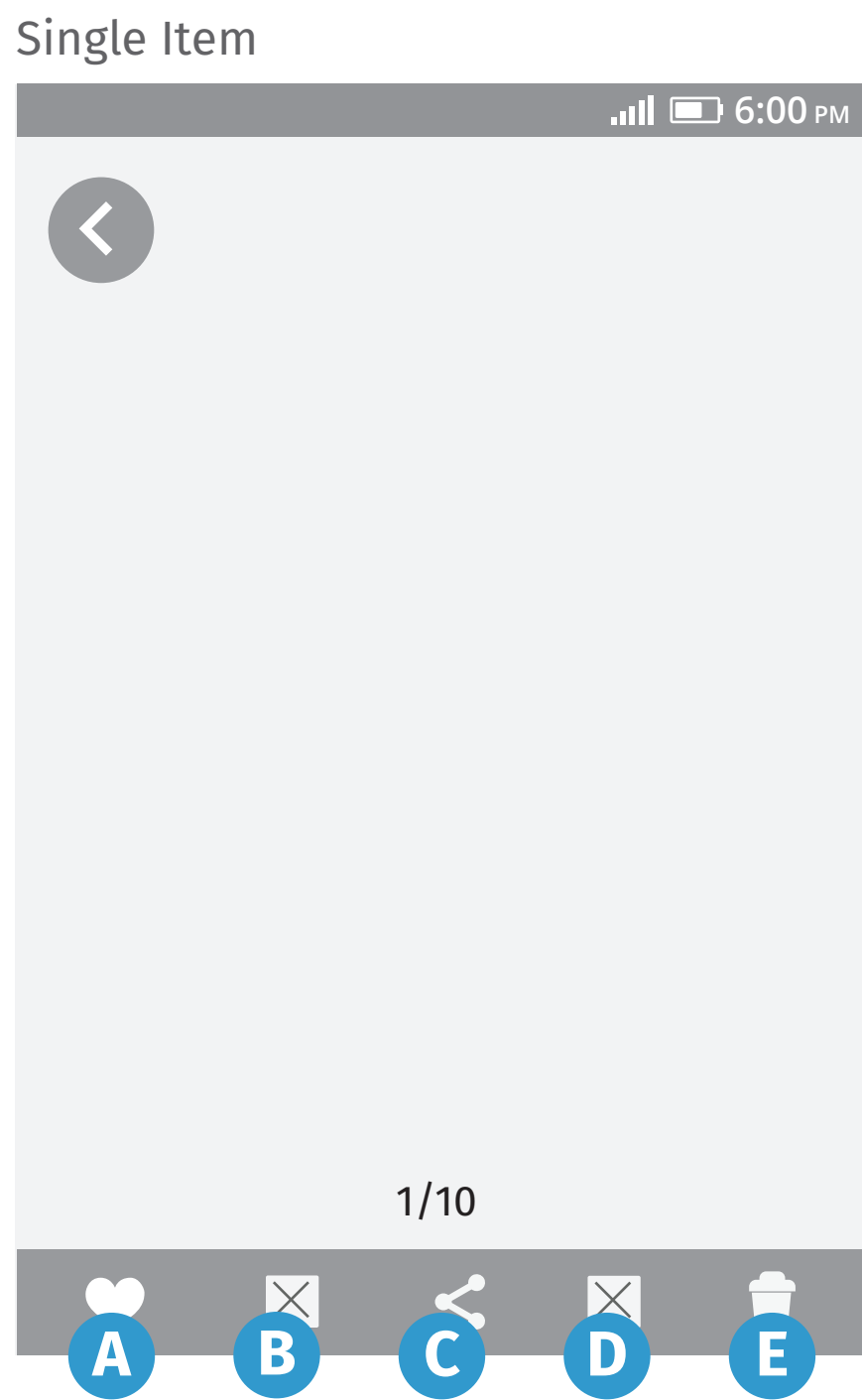
Applicable to all views, both main and
sub-views, when opening a single item.

Single Item

all 6:00 PM

1/10

Item favorited.   **F**

**Finalize strings – need generic word to
cover videos from camera. can we tell
if item is photo or video?**

Single Item

all 6:00 PM

1/10

Item removed from Favorites.   **F**

**Finalize strings – need generic word to
cover videos from camera. can we tell
if item is photo or video?**

**Make language of both banners more
consistent.**

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
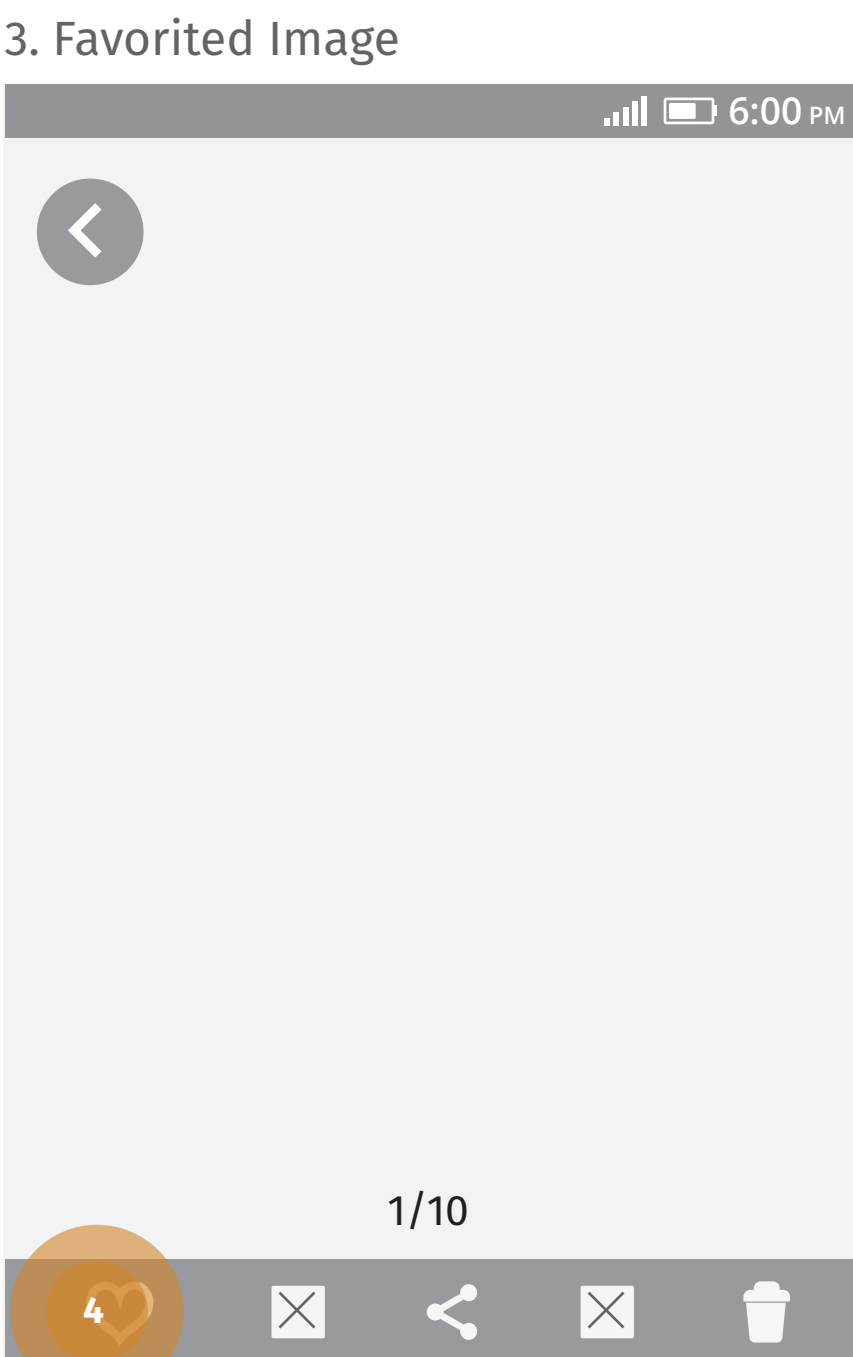confirmation banner.

Firefox OS

Single Image Favorite & Unfavorite - Flow

1. Single Item - Unfavorited (default)

📶 🔋 6:00 PM

1/10
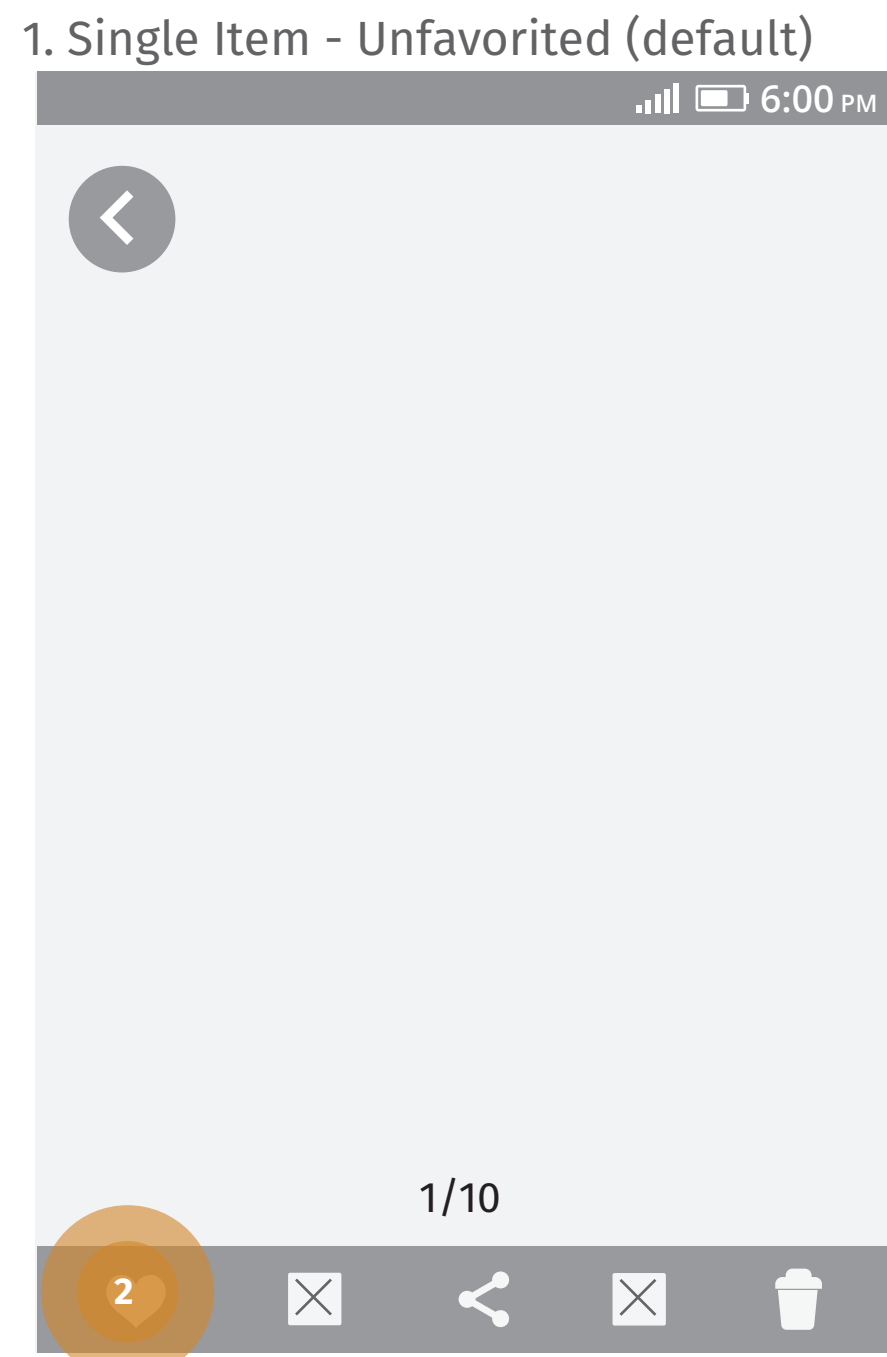
Tapping favorite icon "favorites" the images and adds the image to the Favorites stream

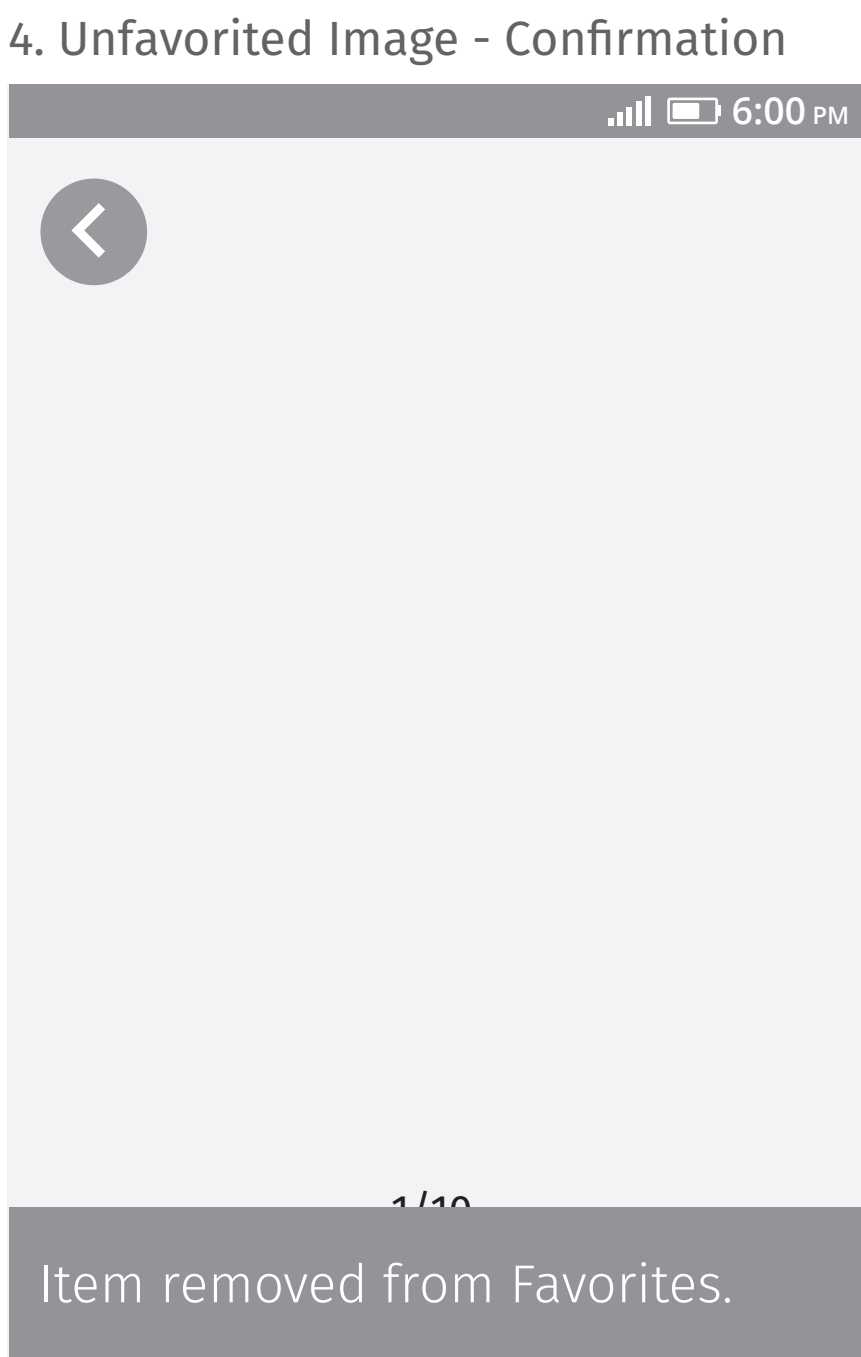### 2. Favorited Image - Confirmation

📶 🔋 6:00 PM

1/10
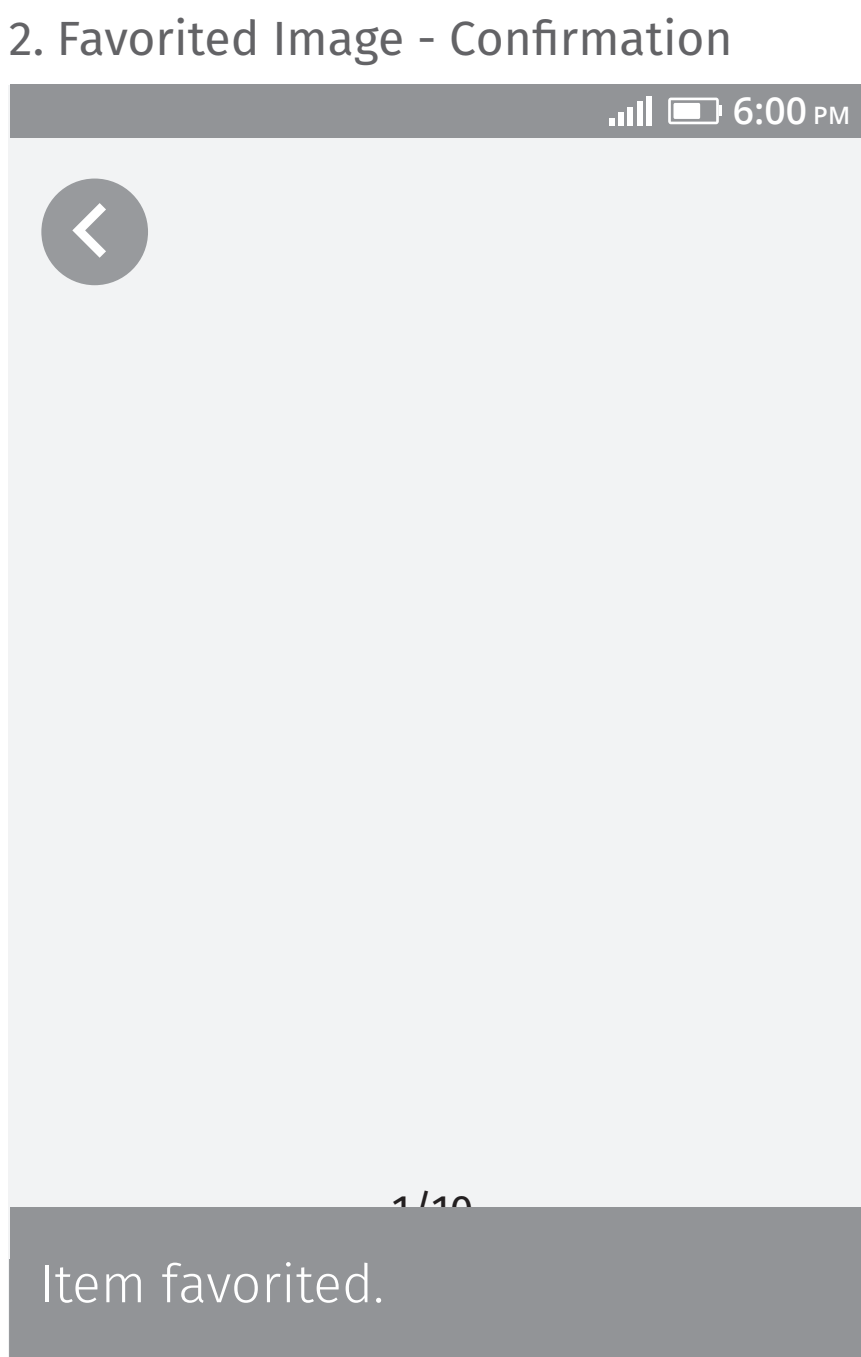
Item favorited.

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

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

3. Favorited Image

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1/10

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

Icon in toolbar changes to "favorite" state

4. Unfavorited Image - Confirmation
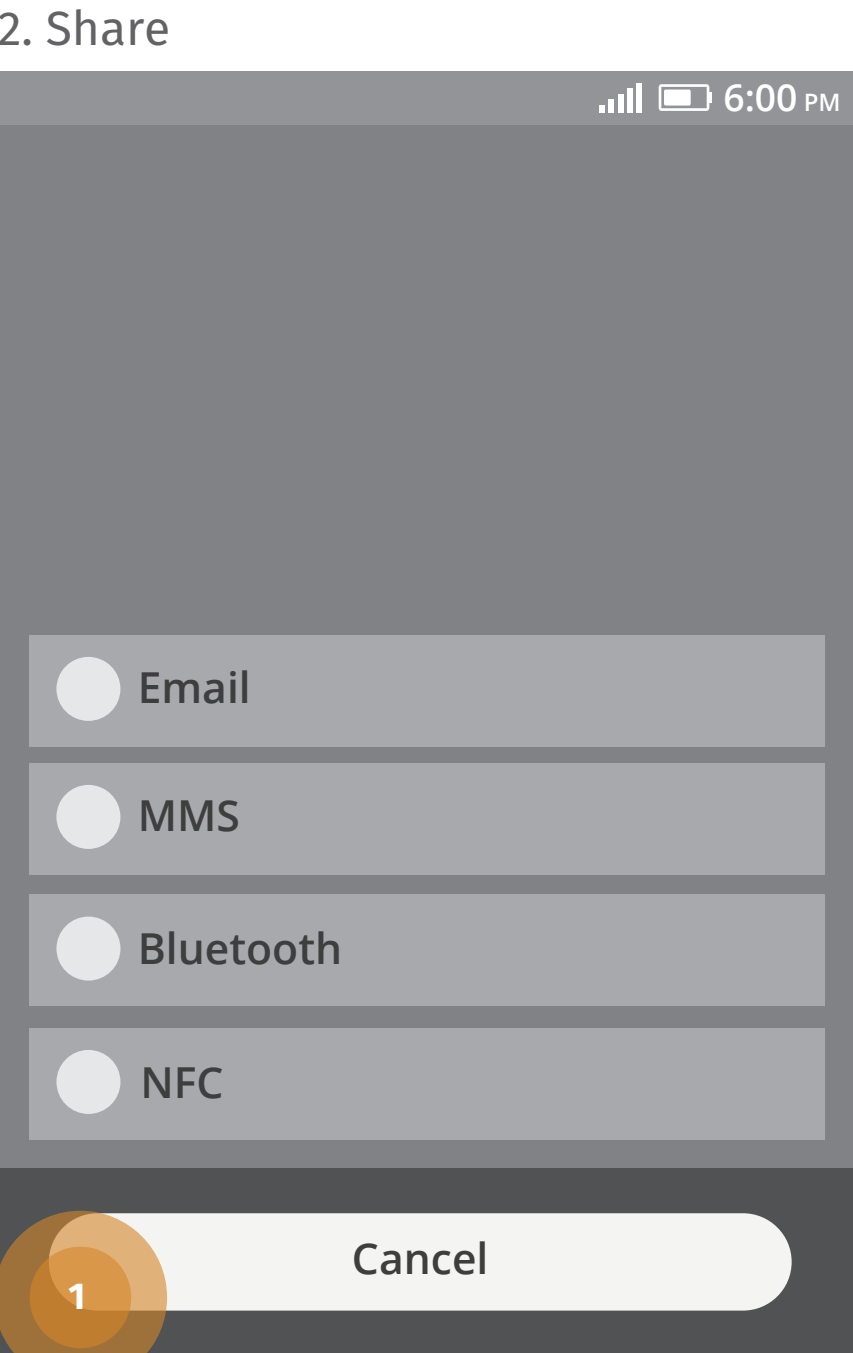
📶 🔋 6:00 PM

1/10

Item removed from Favorites.

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

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

Single Image Share - Flow
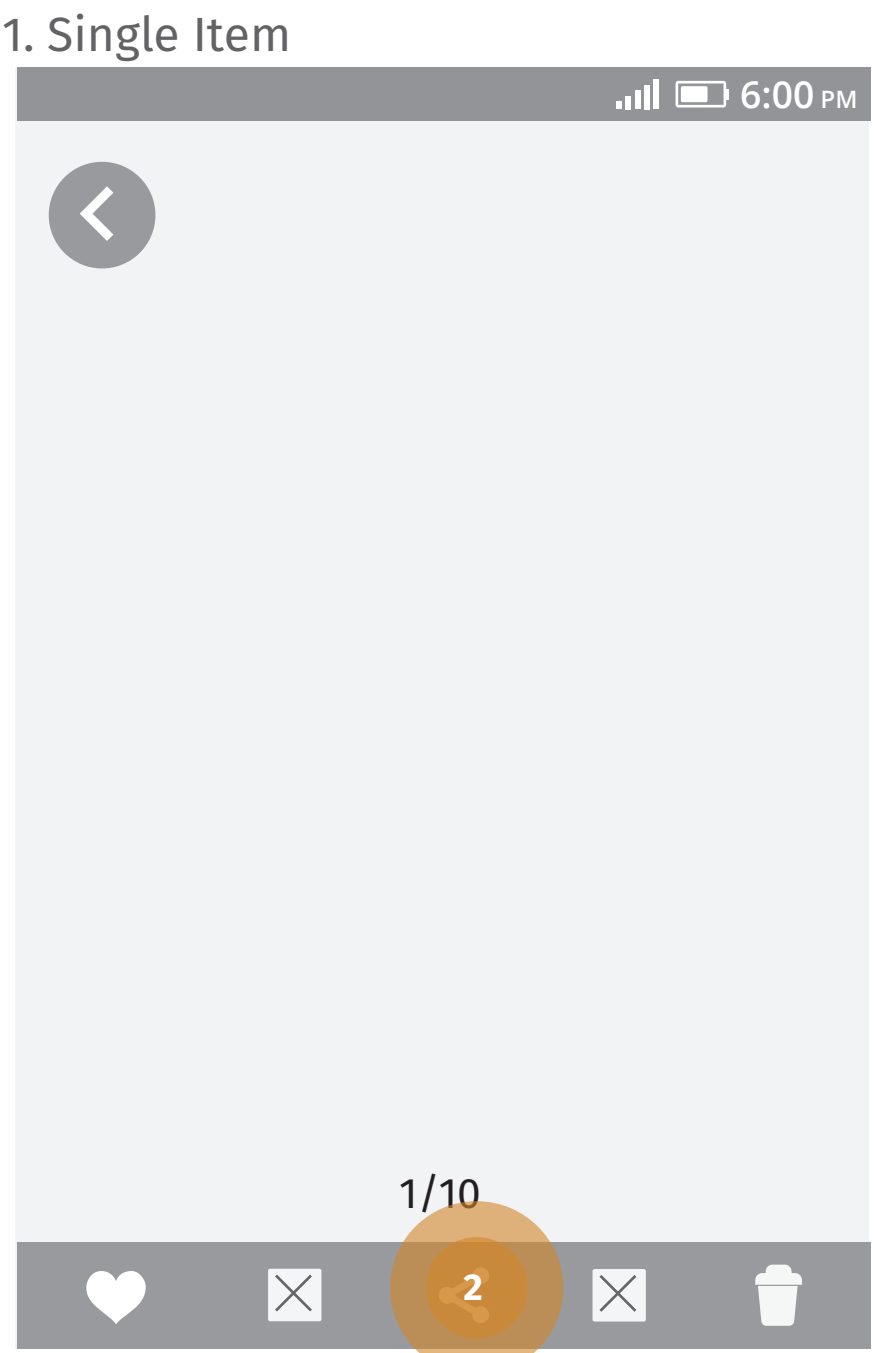
1. Single Item

6:00 PM

1/10

2

Tapping share presents an action menu with possibilities.

2. Share

6:00 PM

Email

MMS

Bluetooth

NFC

Cancel

1
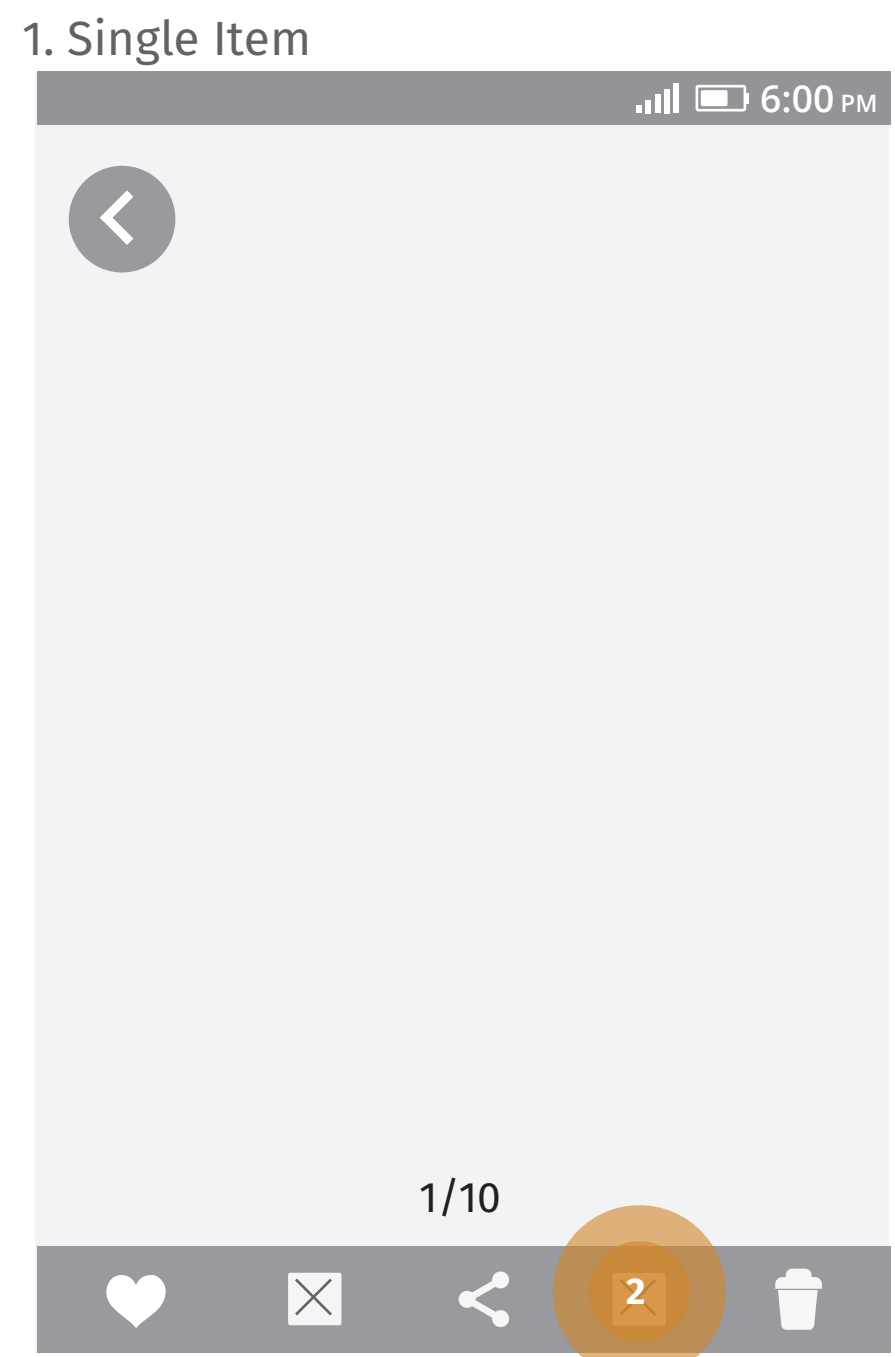
Tapping an option goes into that specific share flow.

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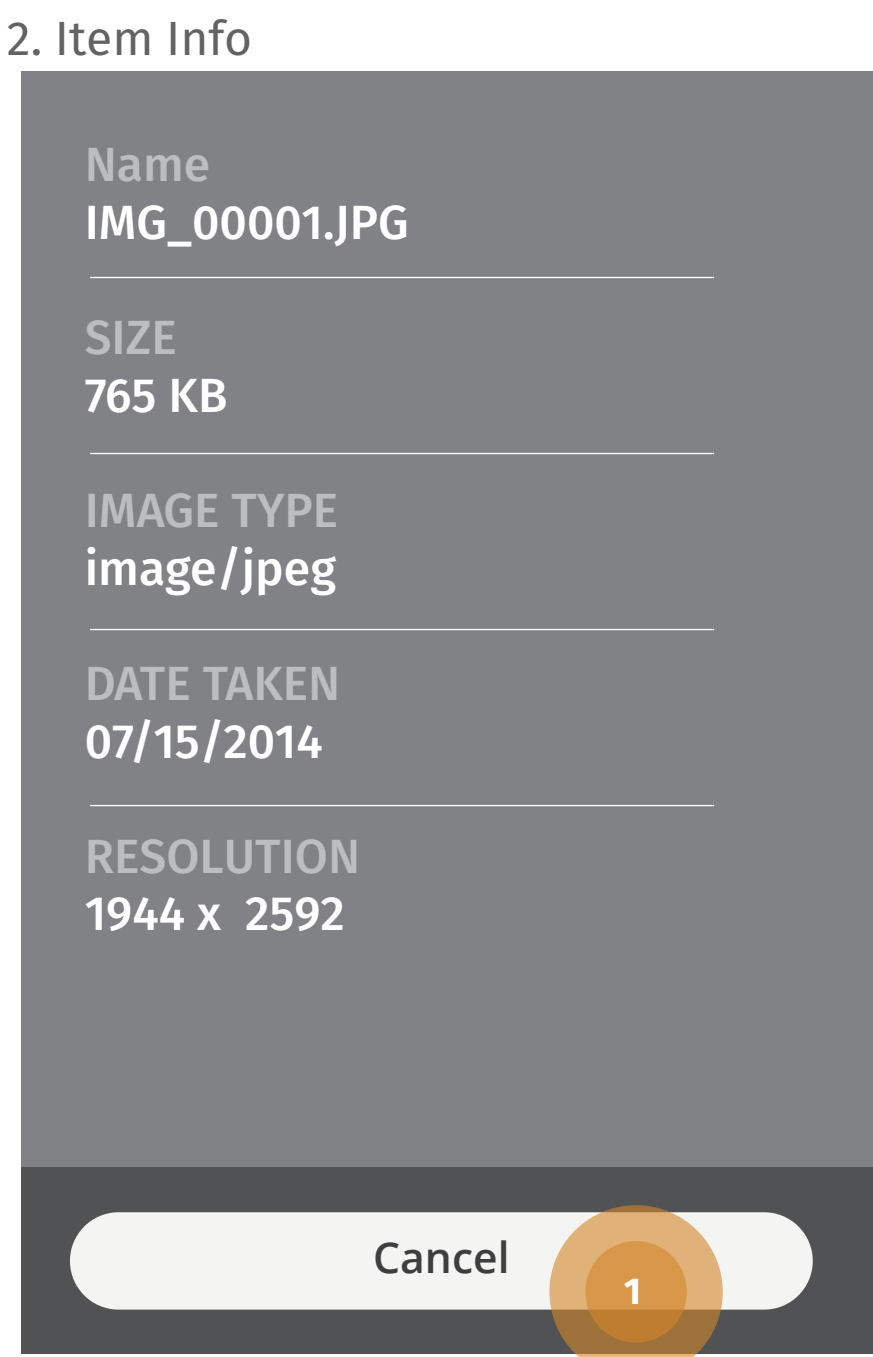
SHARE FLOW

⟶

Use current UI/flows for sharing options.

Single Image Info - Flow

1. Single Item

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♡ ⊠ ⤴ ② 🗑

Tapping on info icon displays
Information about single item

2. Item Info

Name
IMG_00001.JPG

SIZE
765 KB

IMAGE TYPE
image/jpeg
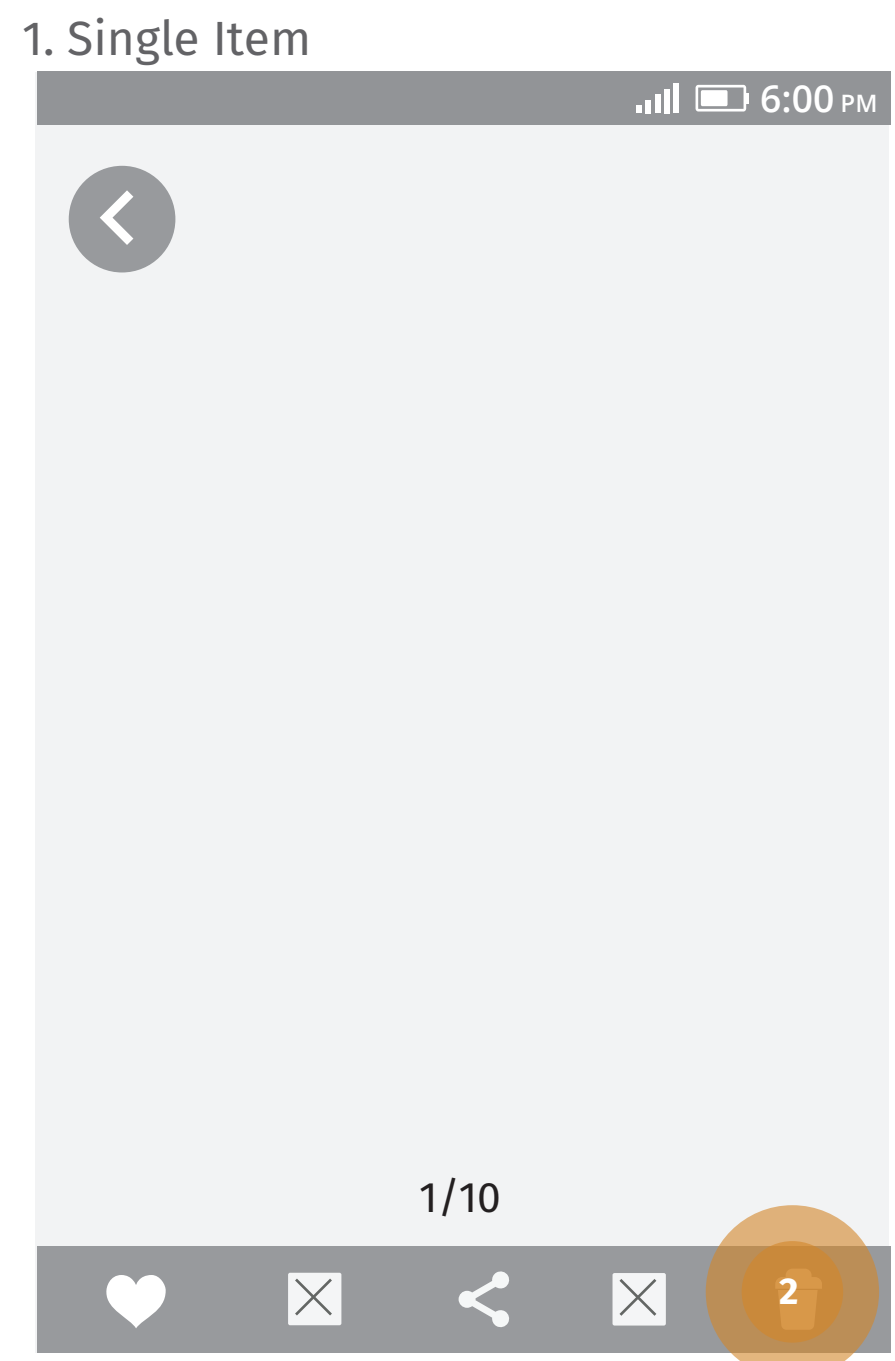
DATE TAKEN
07/15/2014

RESOLUTION
1944 x 2592

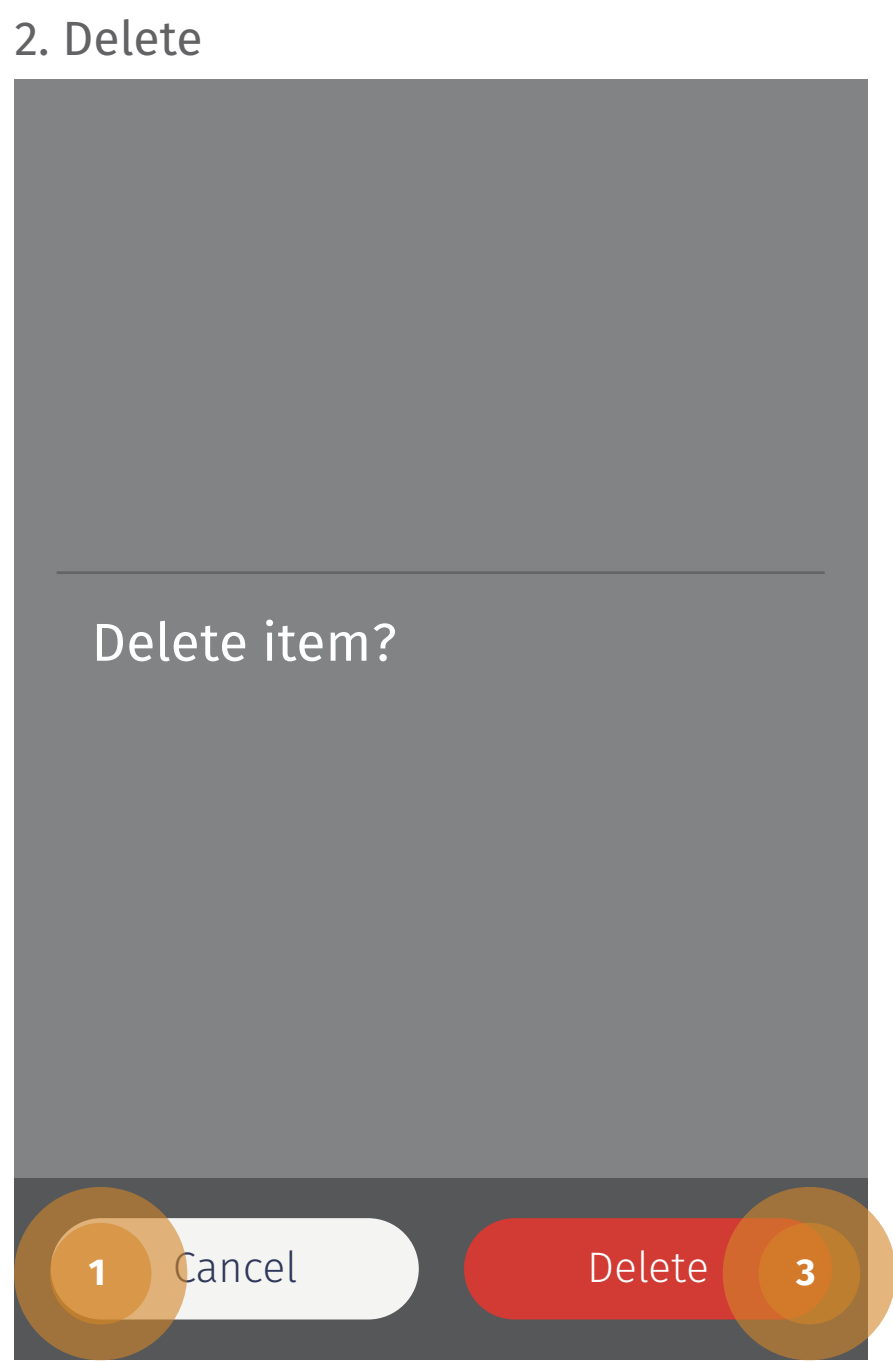Cancel ①

Tapping cancel exits and returns to
Single Image View

Same as previous release.

**Can we add additional information if
an image has been Favorited?**
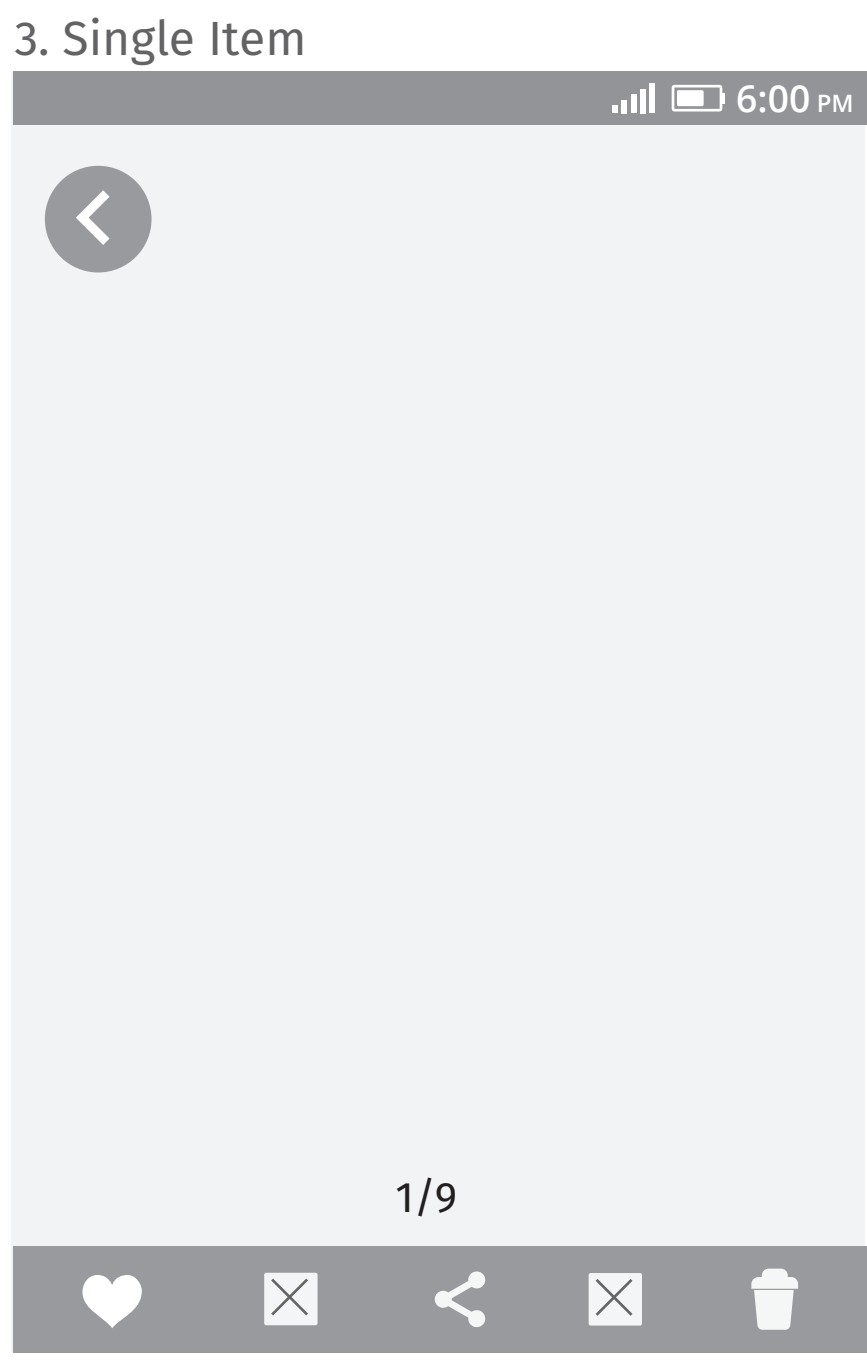
Single Image Delete - Flow

1. Single Item

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Tapping delete presents a confirmation.

2. Delete

Delete item?

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

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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?