

Firefox OS



[2.2] Gallery

Version 1.2 October 23, 2014

Questions? E-mail the author or firefoxos-ux@mozilla.com

Release Notes

v1.0	Oct 13, 2014	Katie Caldwell	Based off of 2.1 Spec [2.2] : Updated Views to include User Defined Albums flow Deleted Appendix Added Add activity to Single Image and Multi-Select flows Updated Delete and Share flow to match v1.6 Building Blocks
v1.1	Oct 16, 2014	Katie Caldwell	Updated subheader to match common controls Added User-defined Albums IA
v1.2	Oct 23, 2014	Katie Caldwell	Removed icons from action menus Updated System Albums: visually Changed heart to star for favourites Updated subheaders back to 2.0 Building Block style

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 Favourites to gallery

~~**Bug 1042317**~~ - [gallery] Add timelines to gallery for [2.3 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.

Favourites and albums are user-generated “folders”. 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 2.2, which this spec will cover:

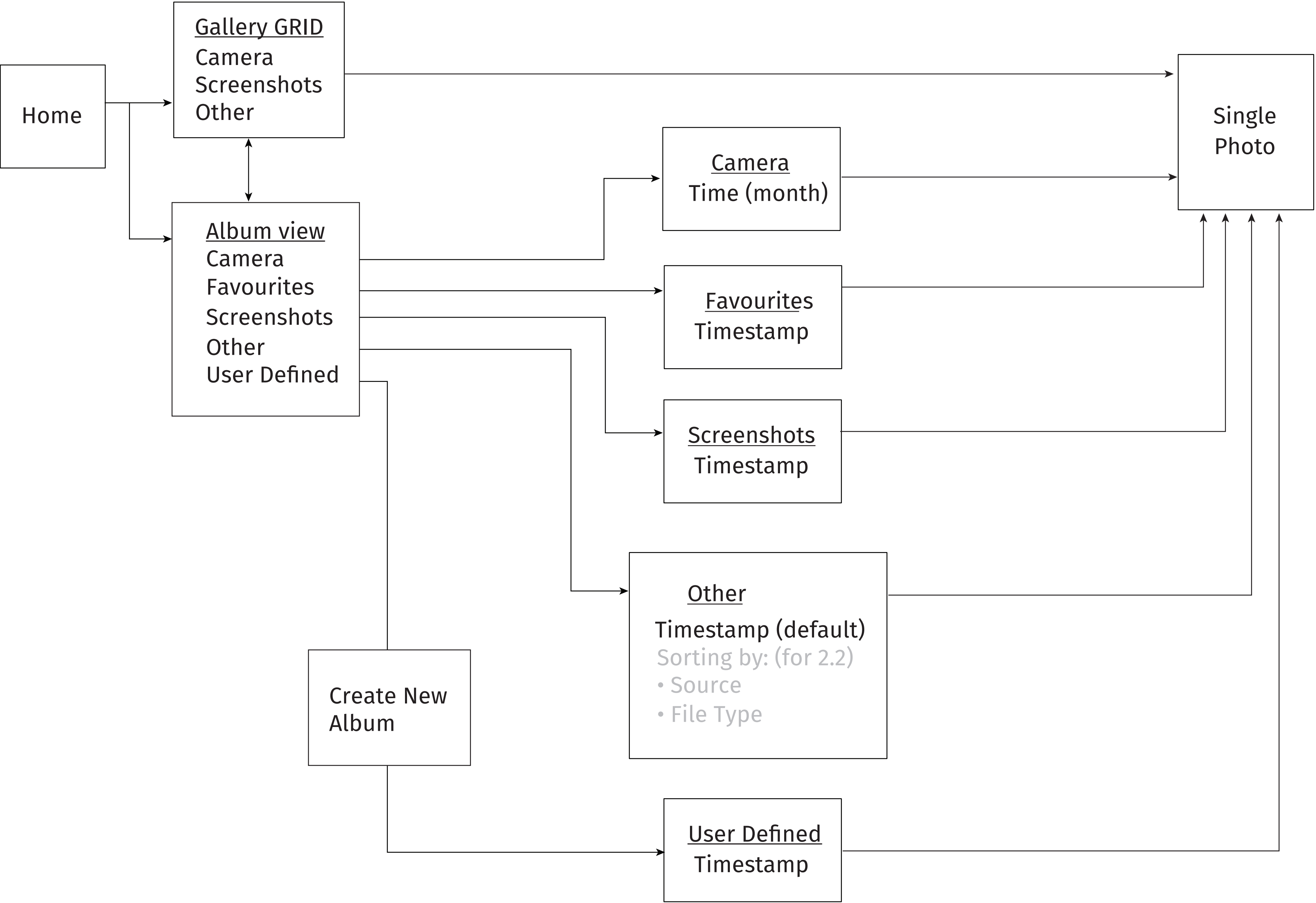
- the new gallery screen and subsequent sub-views
- Favourites
- overall visual refresh
- user-defined albums: Add/Rename/Delete

If there’s time the team will then work on an improved timeline presentation.

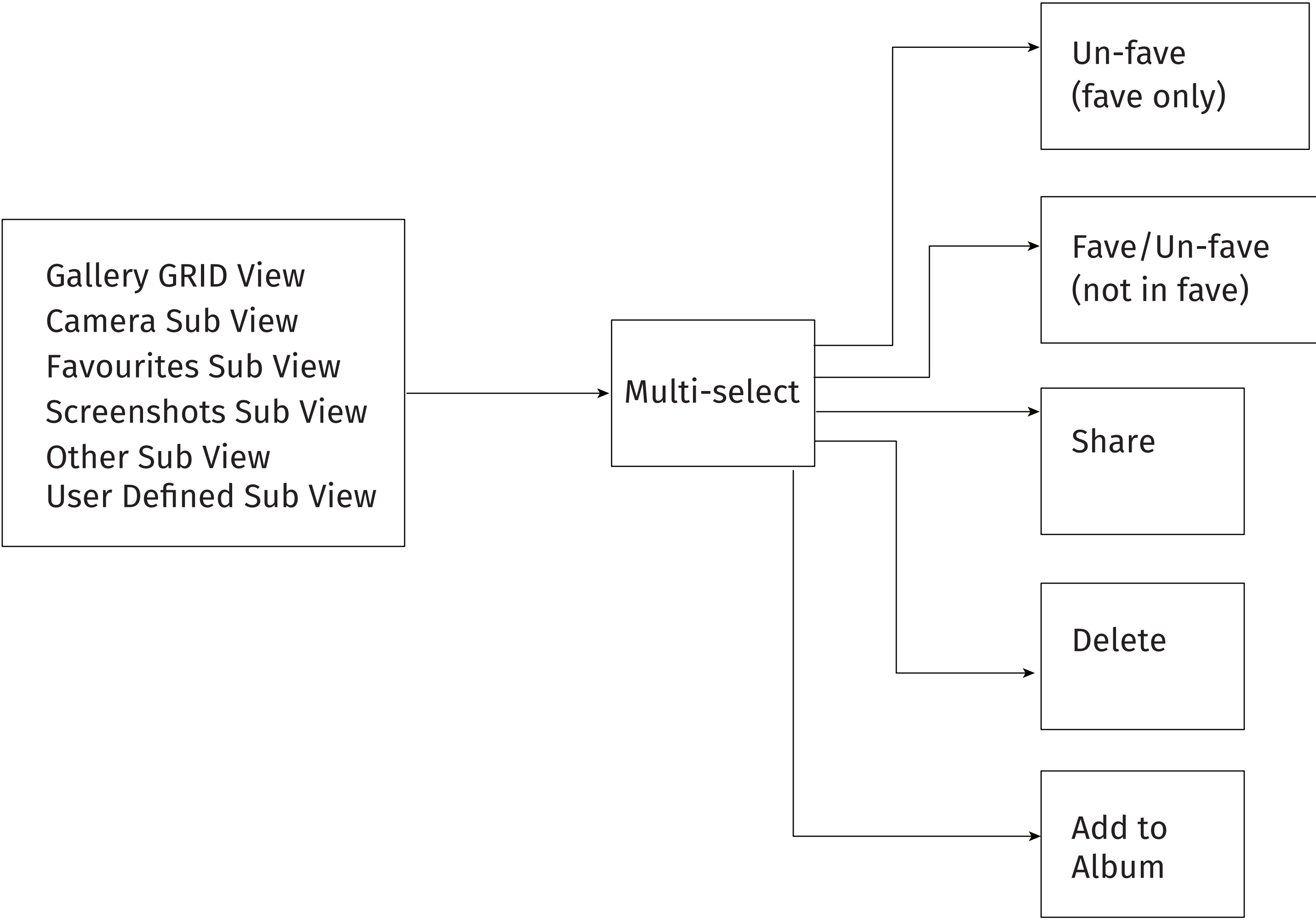
Other considerations for 2.2 and beyond:

Album Permissions : shared with others (owner/viewer/contributor) or passcode locked/hidden Albums

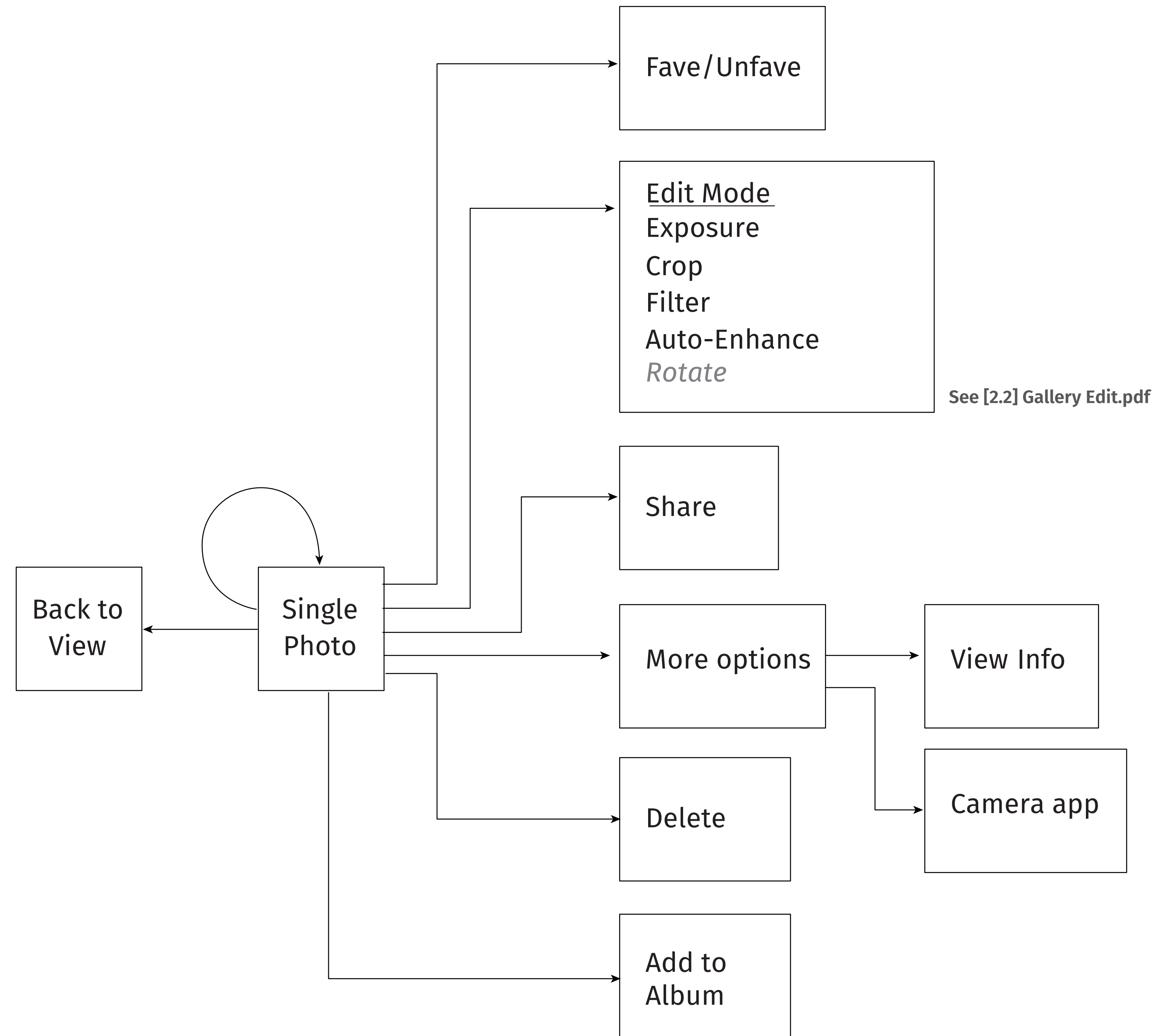
Top Level IA



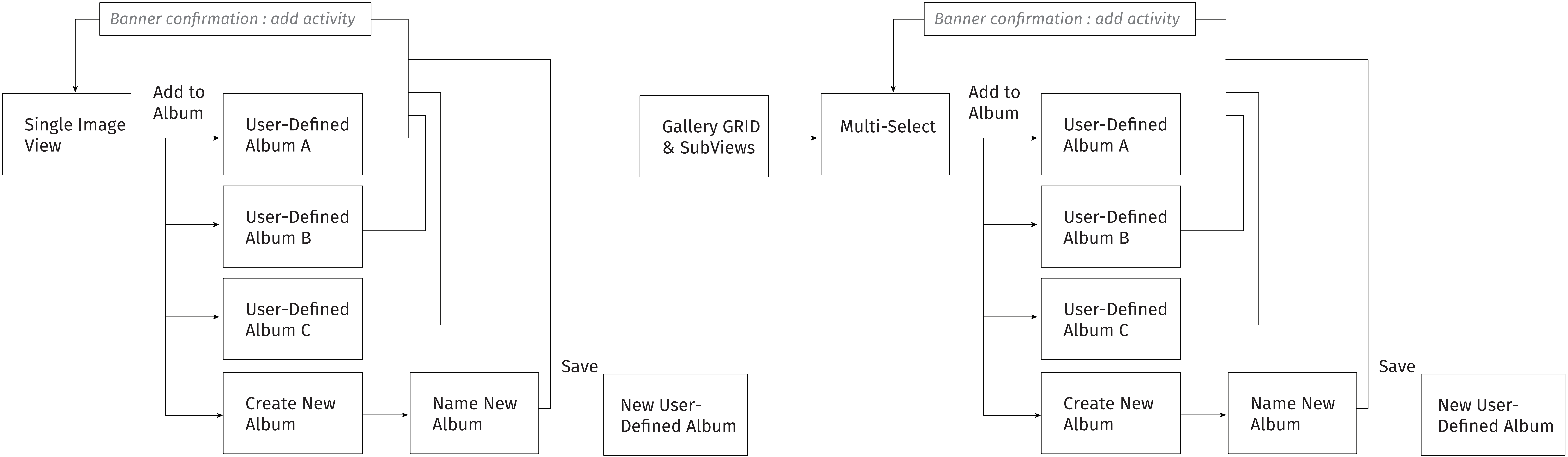
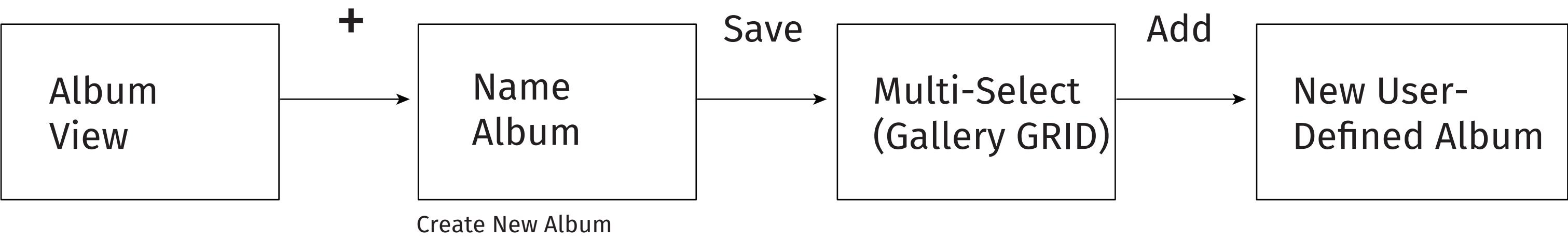
Sub-View IA



Single Photo/Video IA

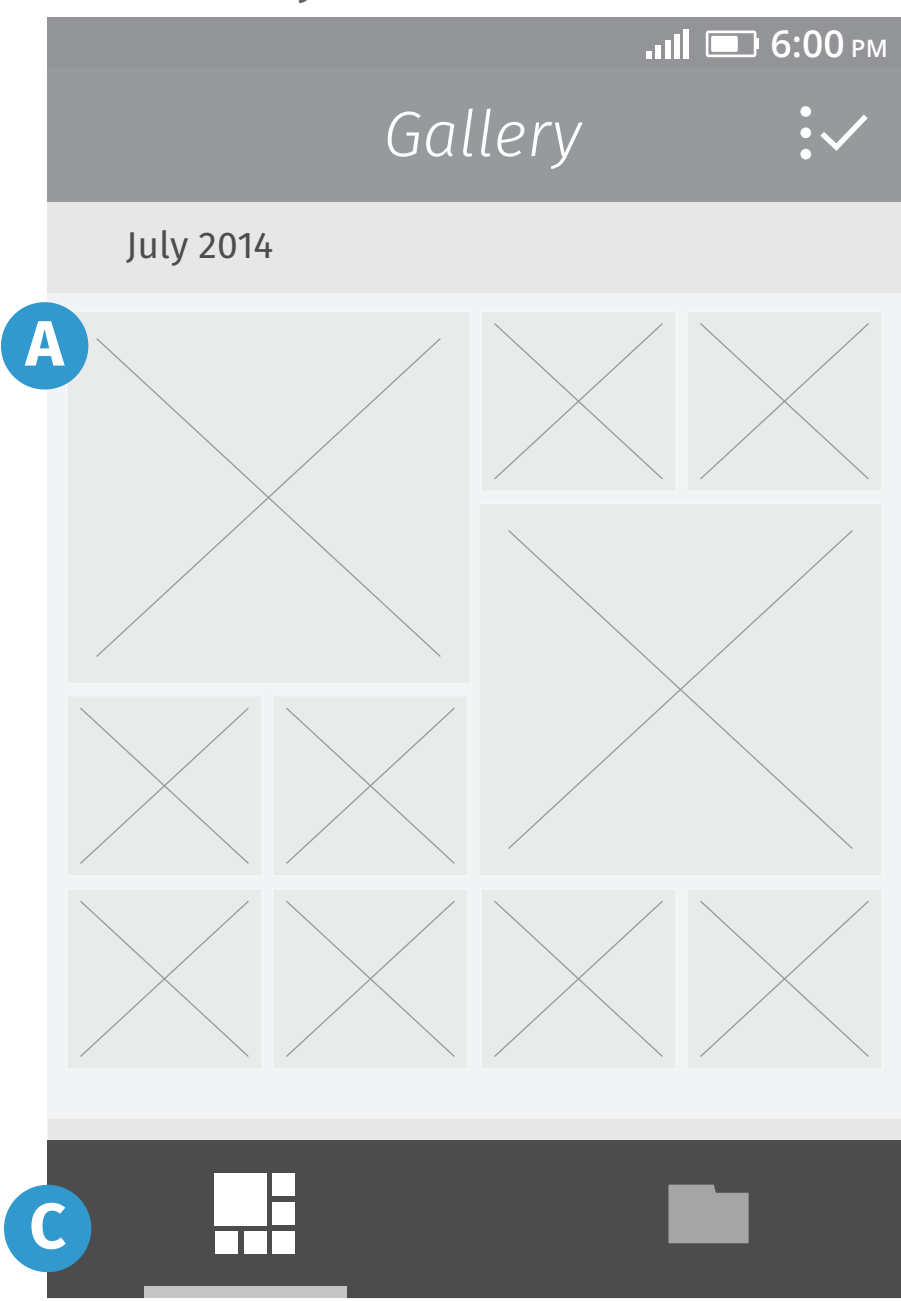


User-Defined Albums IA



Gallery Home - Details

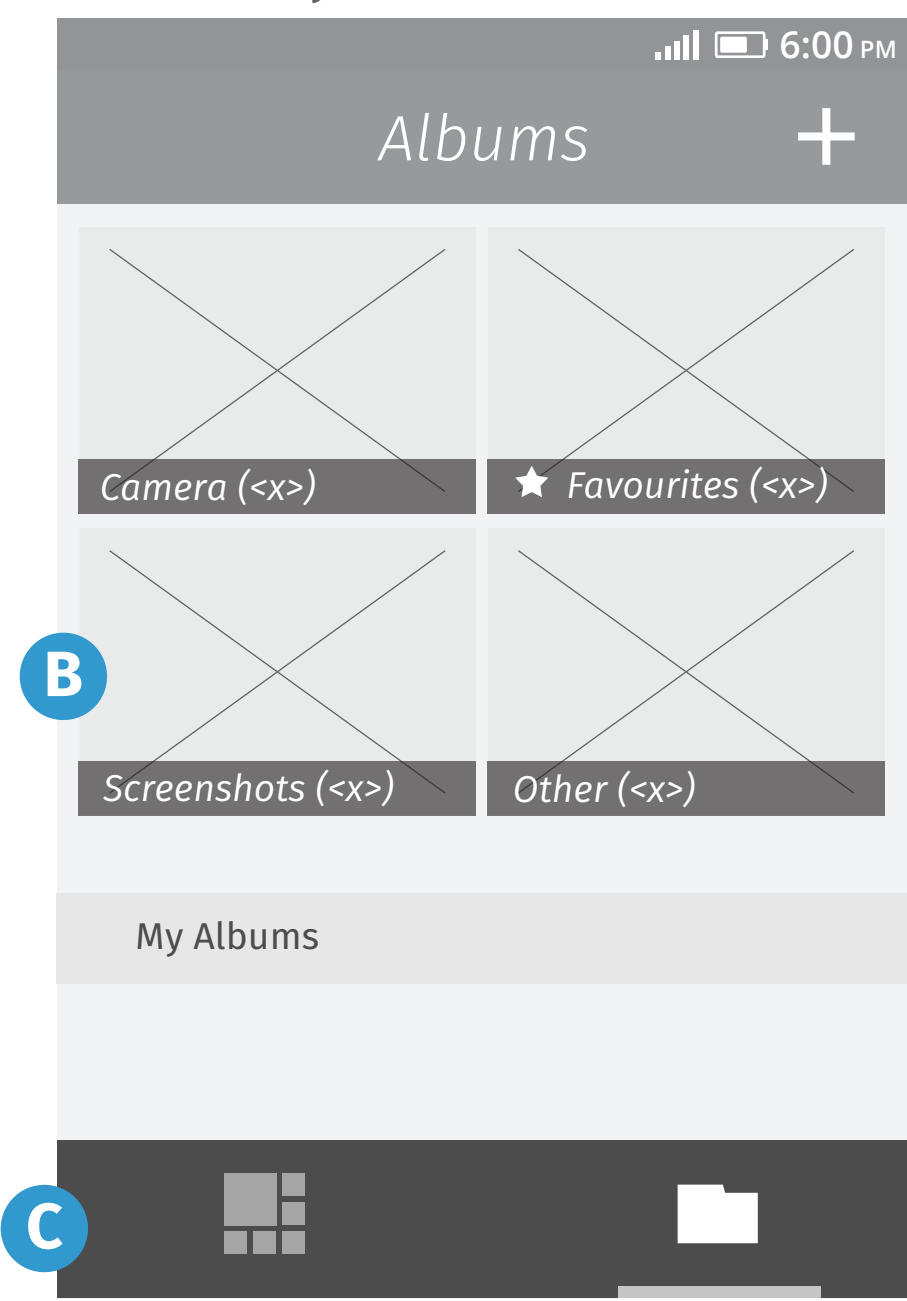
Main Gallery View (Grid : default)



Gallery View defaults to GRID view and shows all images, by timestamp, 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.

Main Gallery View (Albums)

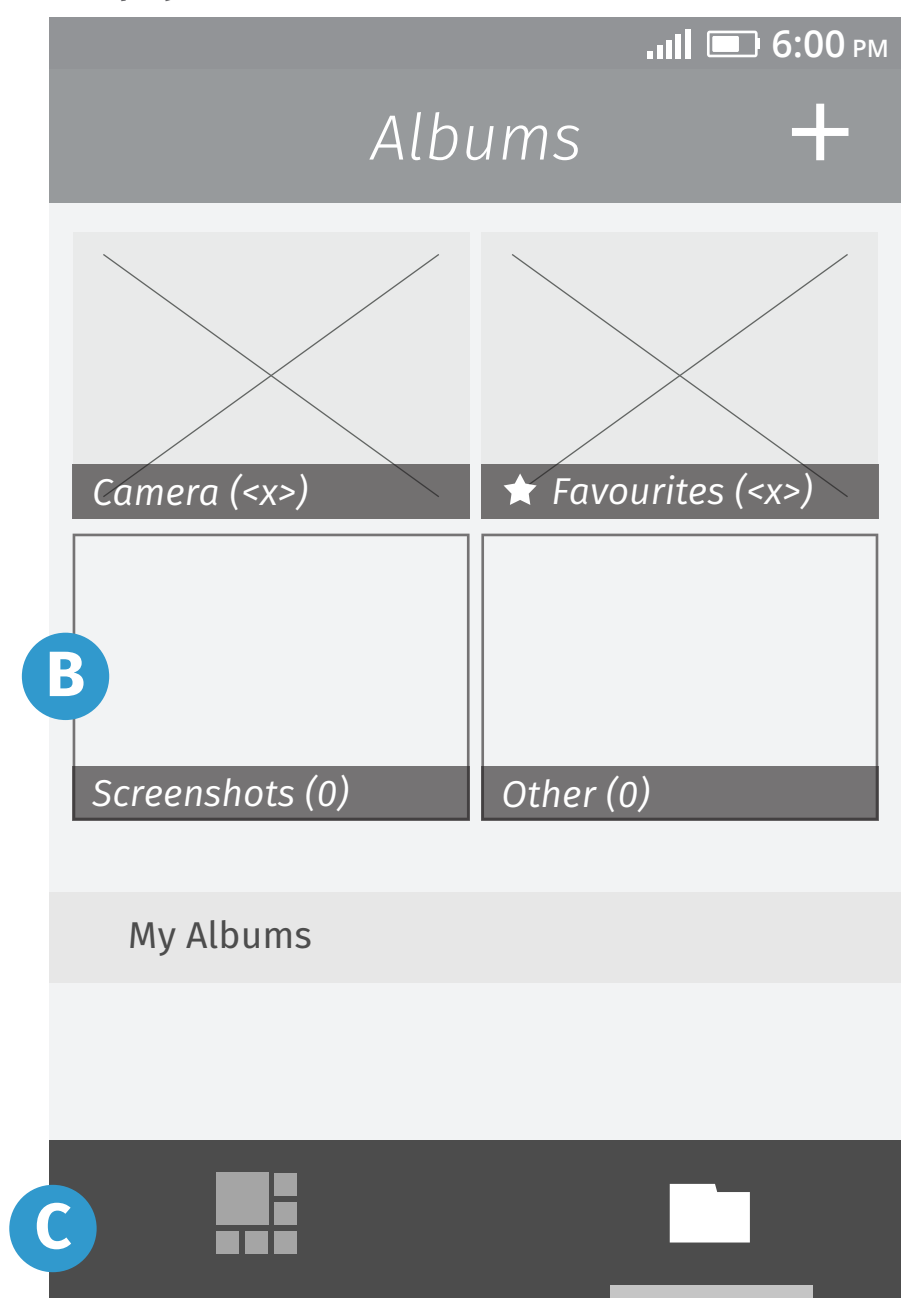


Folders show the most recent thumbnail of an image/video.

Some visual indicator of multiple images within a folder

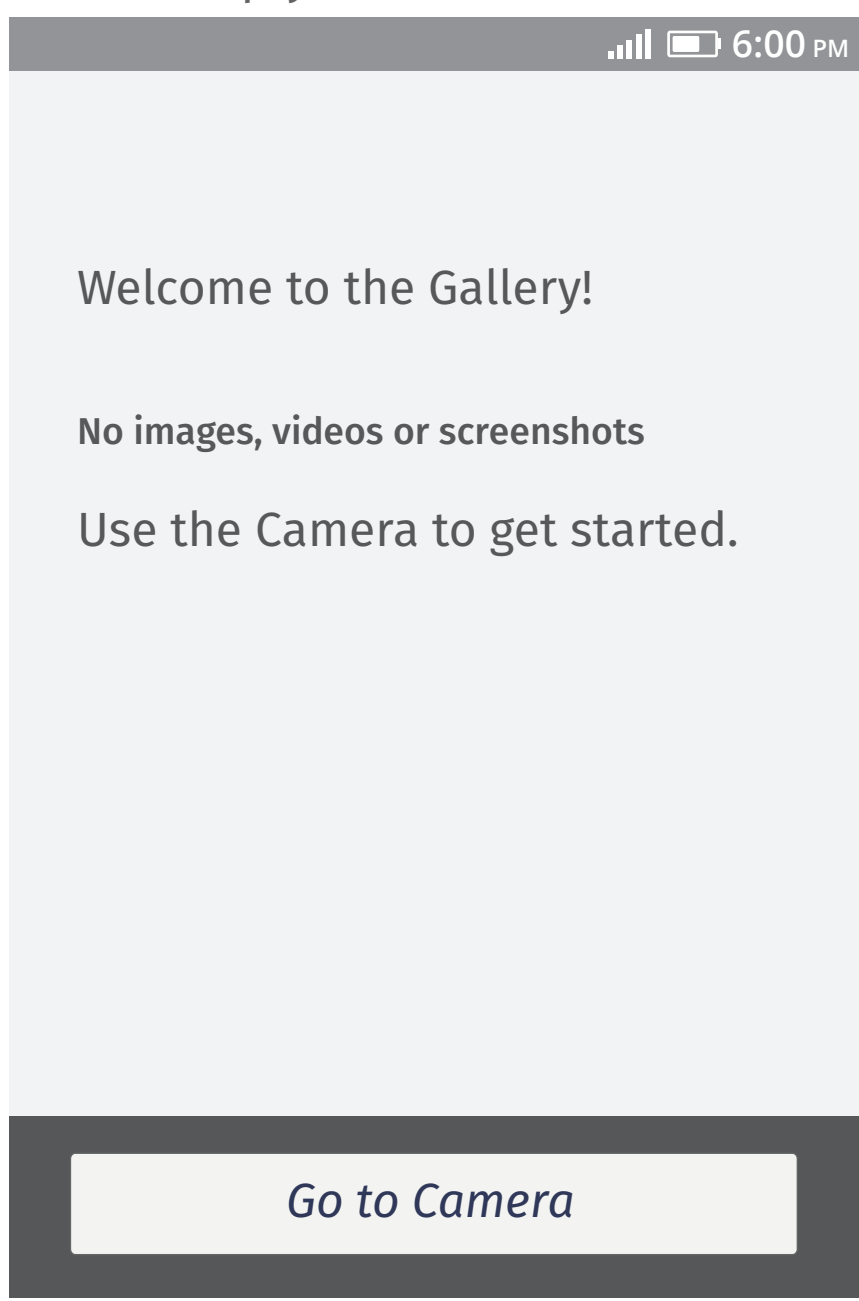
** Please see [2.2] Gallery Albums for Add/Delete/Edit Album concepts*

Main Gallery View (Albums) - some empty folders



Visual differentiation of empty folders

Main - empty streams / folders



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

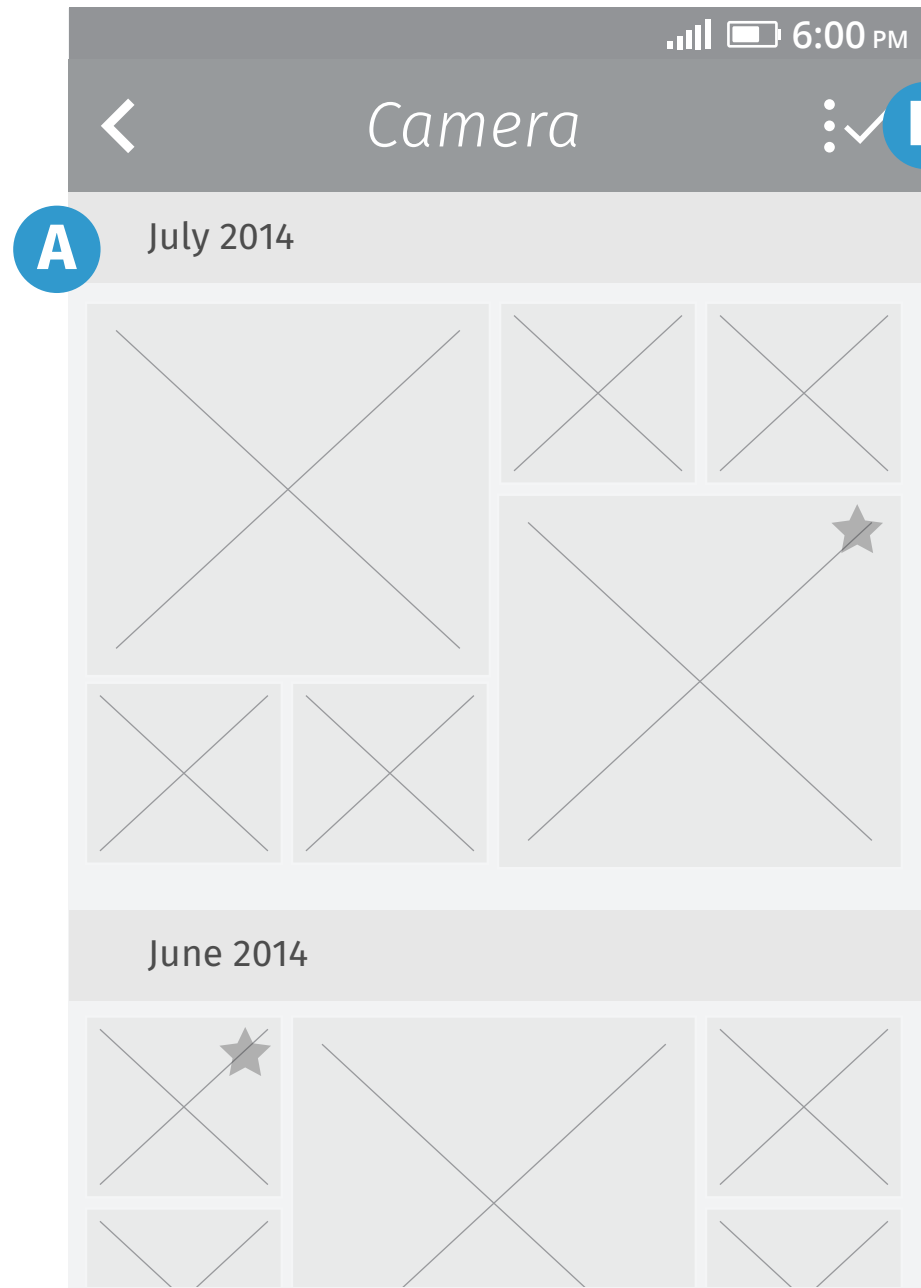
Notes

- A Grid / Stream View**
Shows the most recent items. Tapping on a thumbnail will open the item.
- B Album View**
4 System-defined folders: Camera, Favourites, Screenshot and Other. Show a thumbnail of the most recent item. Tapping will open a sub view showing all items.

Note: for Favourites “recent” is defined by timestamp not when item was Favourited.
- C Navigation Bar**
Navigational widget (C), for switching between sets of views. 2 options for viewing all images and videos and photos. 1) Grid view and 2) Album View

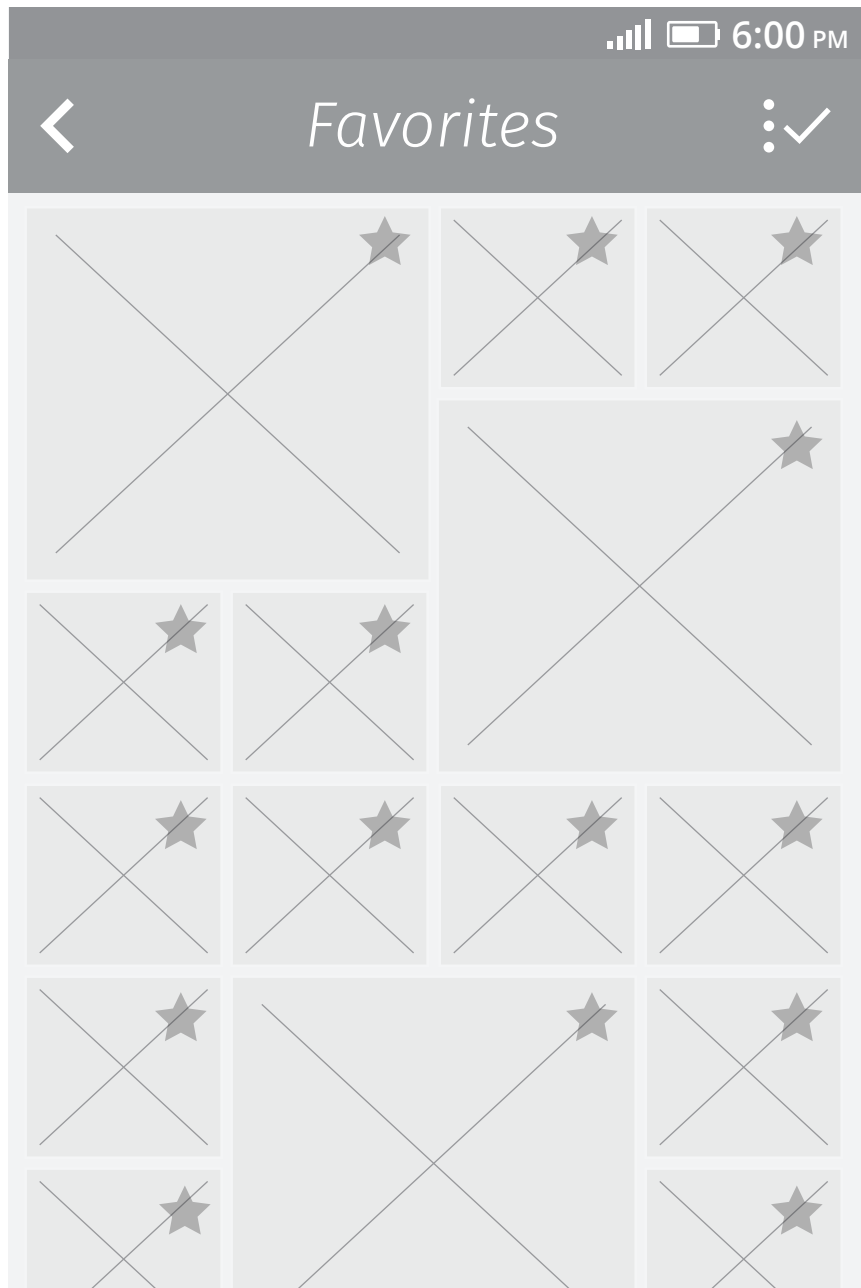
Gallery Sub-View - Details

Camera View



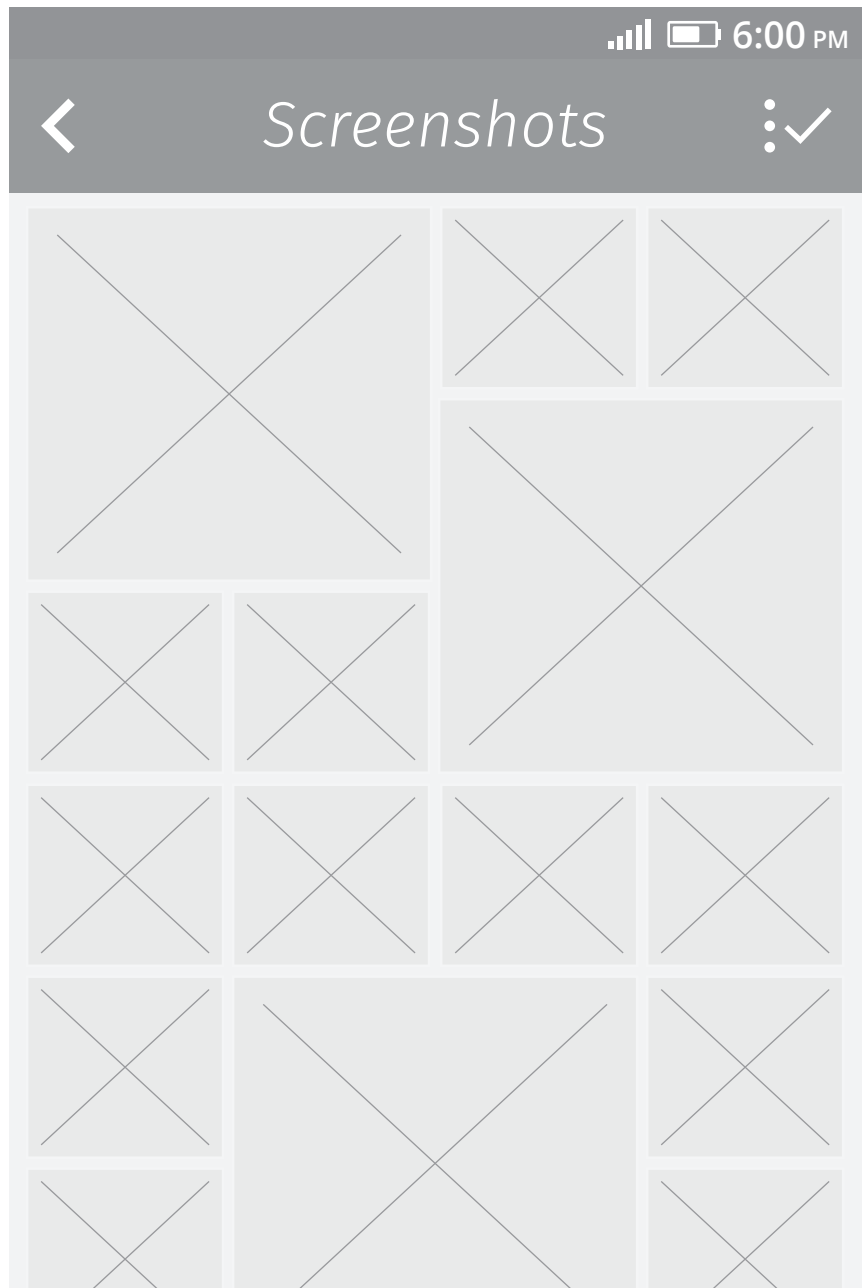
First phase is to use month groupings like today's Gallery app.

Favourites View



Organization is according to timestamp not when it was Favoured.

Screenshot View

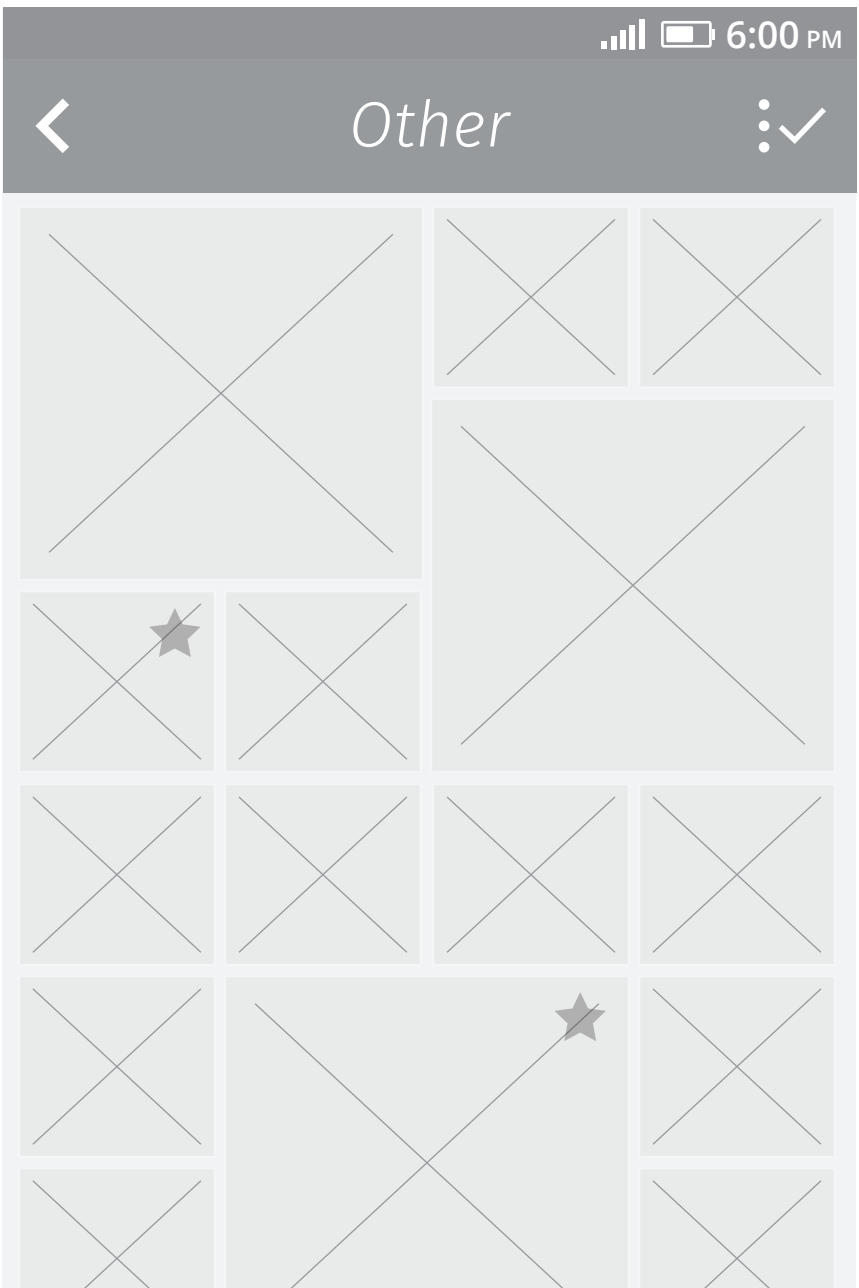


Shows all screenshots taken.

This view is defaulted to a timestamp sort

Question: should this be by month?

Other

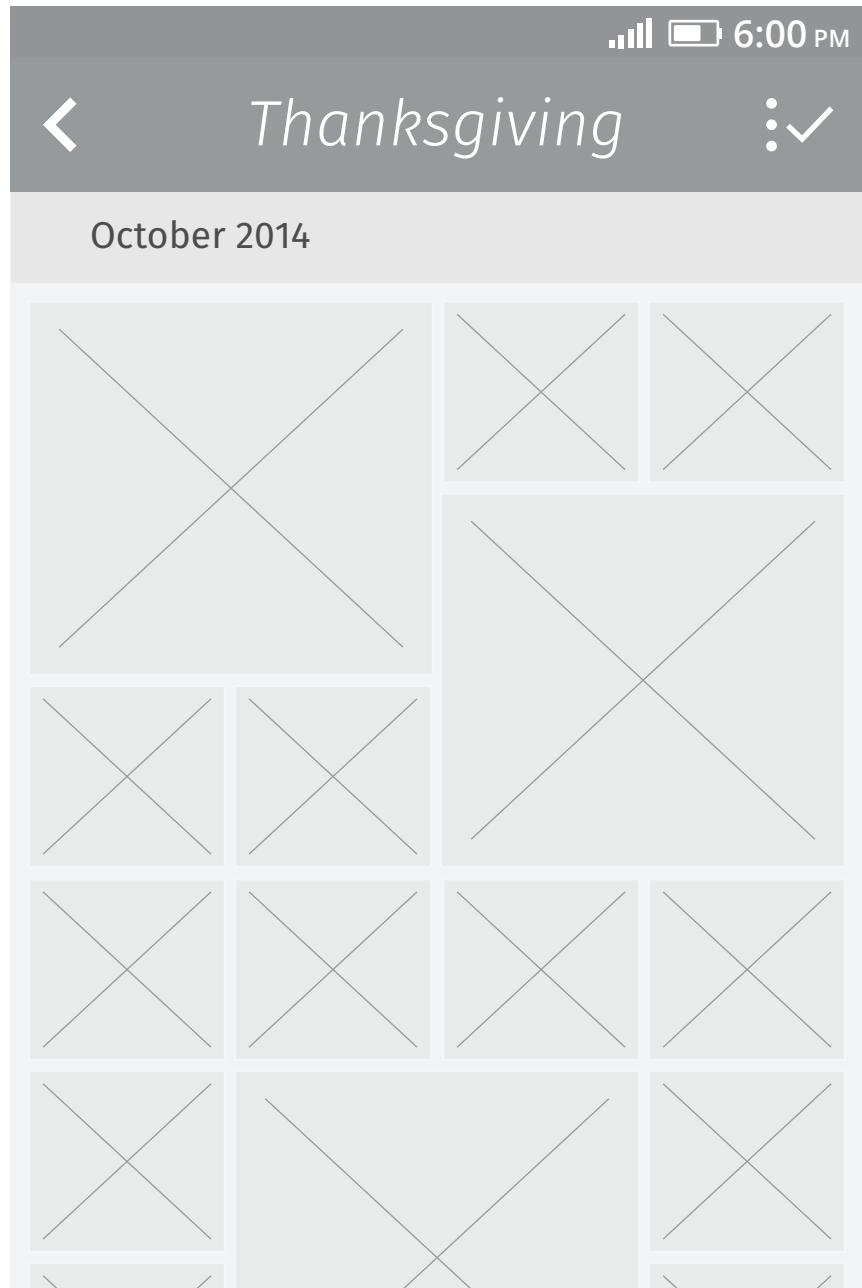


This contains all Other items such as saved images from SMS and email attachments, items from downloads, and other images saved to the sdCard.

This view is defaulted to a timestamp sort

Question: should this be by month?

User Defined Album



Organization is according to timestamp not when it was added.

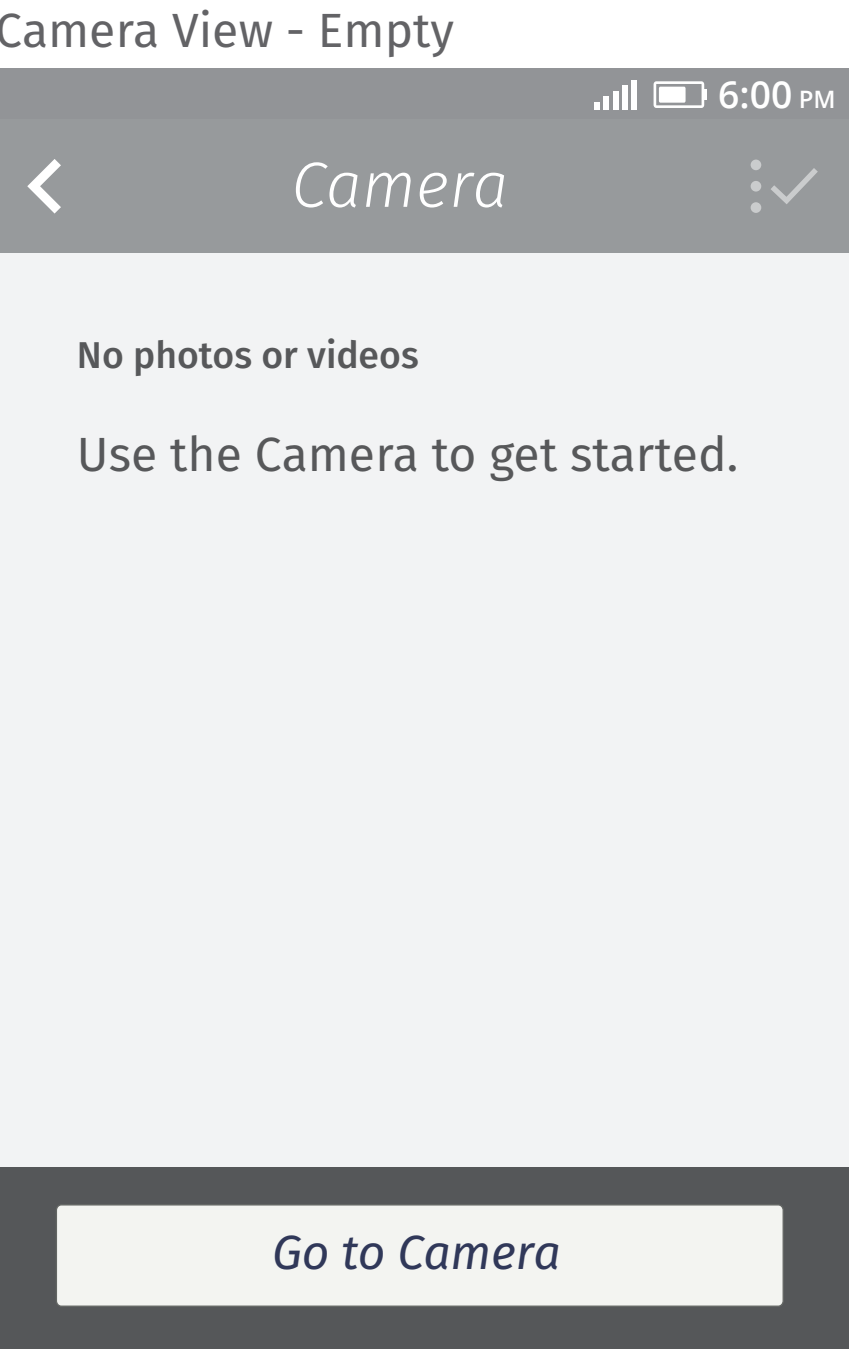
Notes

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.

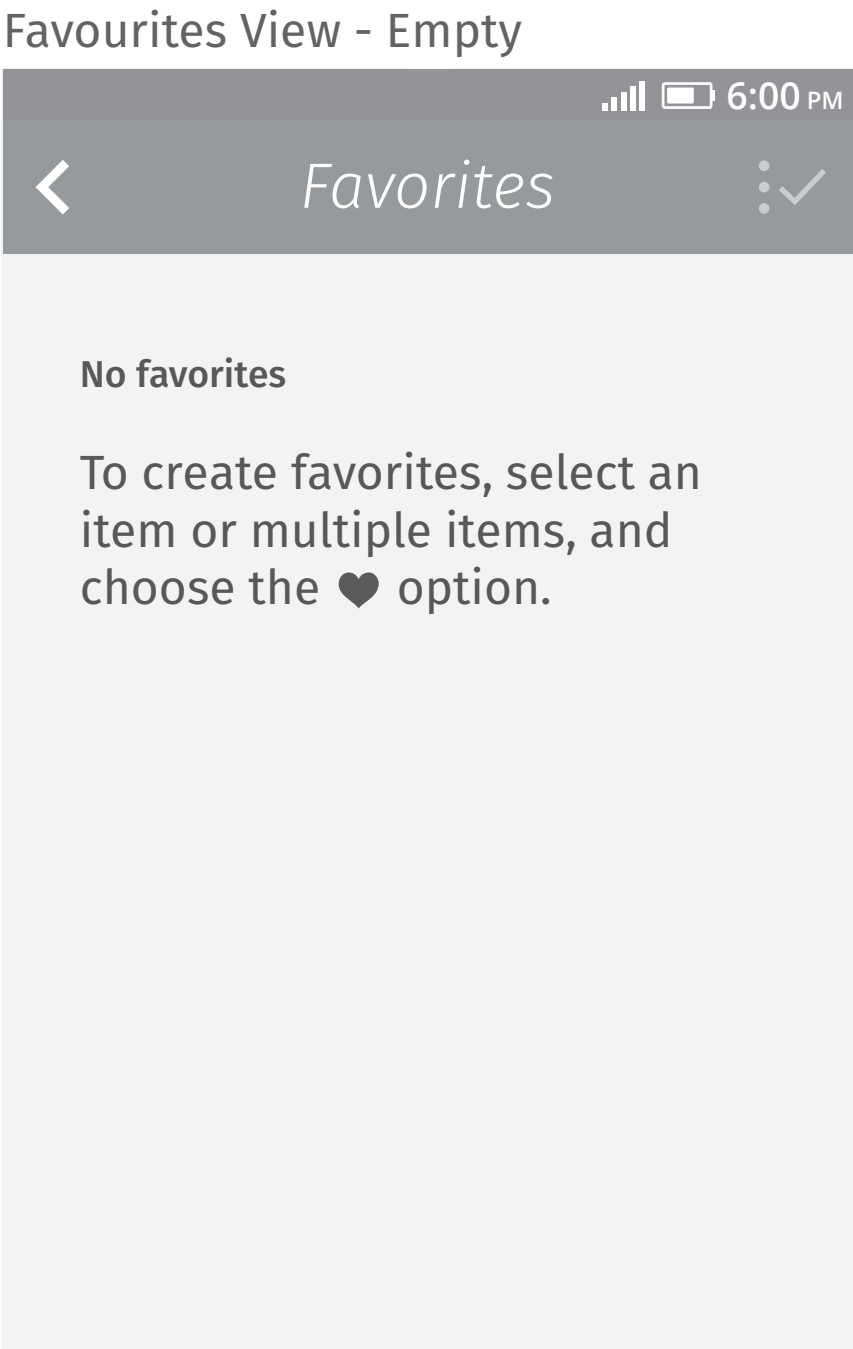
A Grouping by Time: Month
Show images by month, behaves as previous release

B Multi-Select
Allows user to select multiple images/videos to take action on : Favourite/Unfavourite, Share or Delete, Add to Folder. (See Multi-Select Detail)

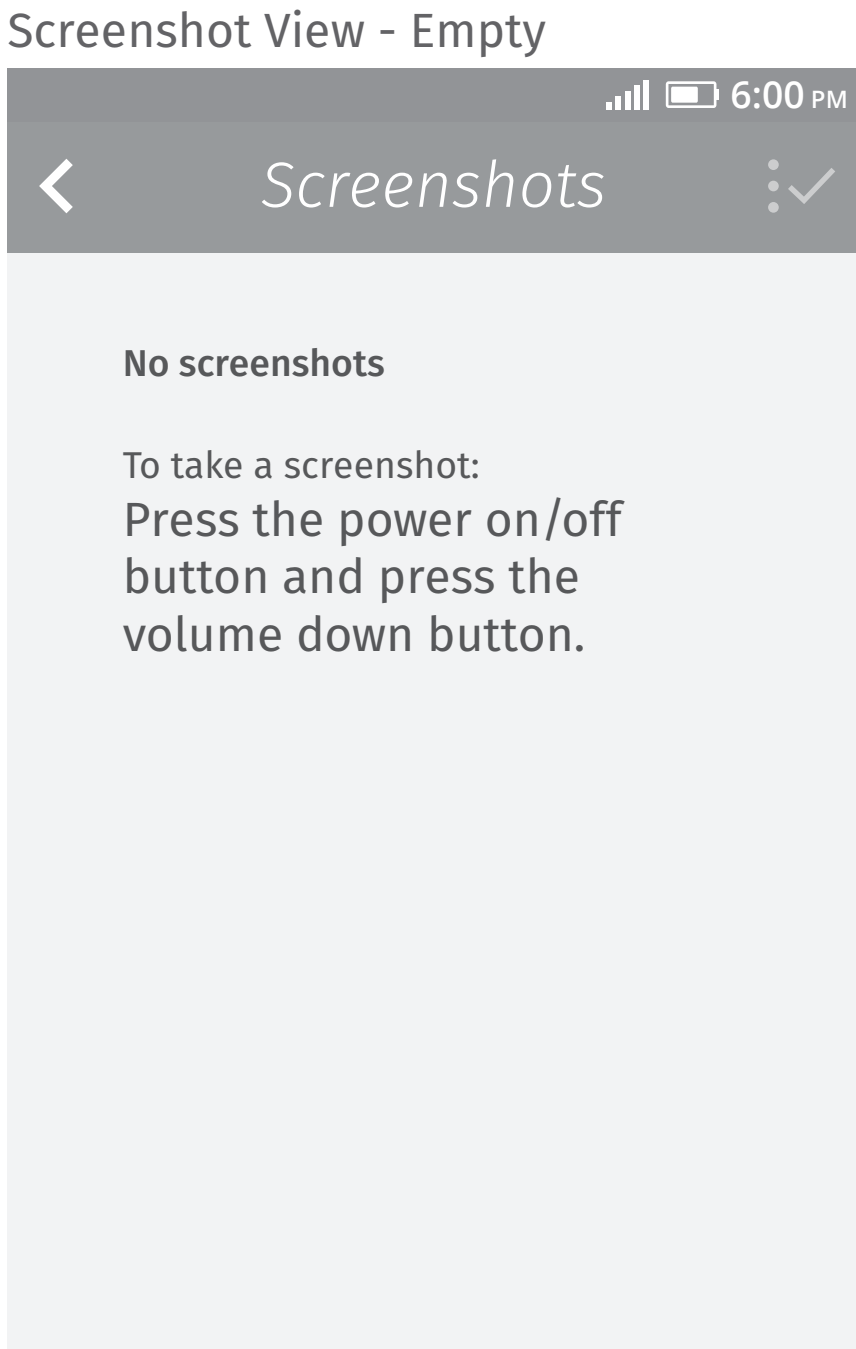
Gallery Sub-View - Details



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

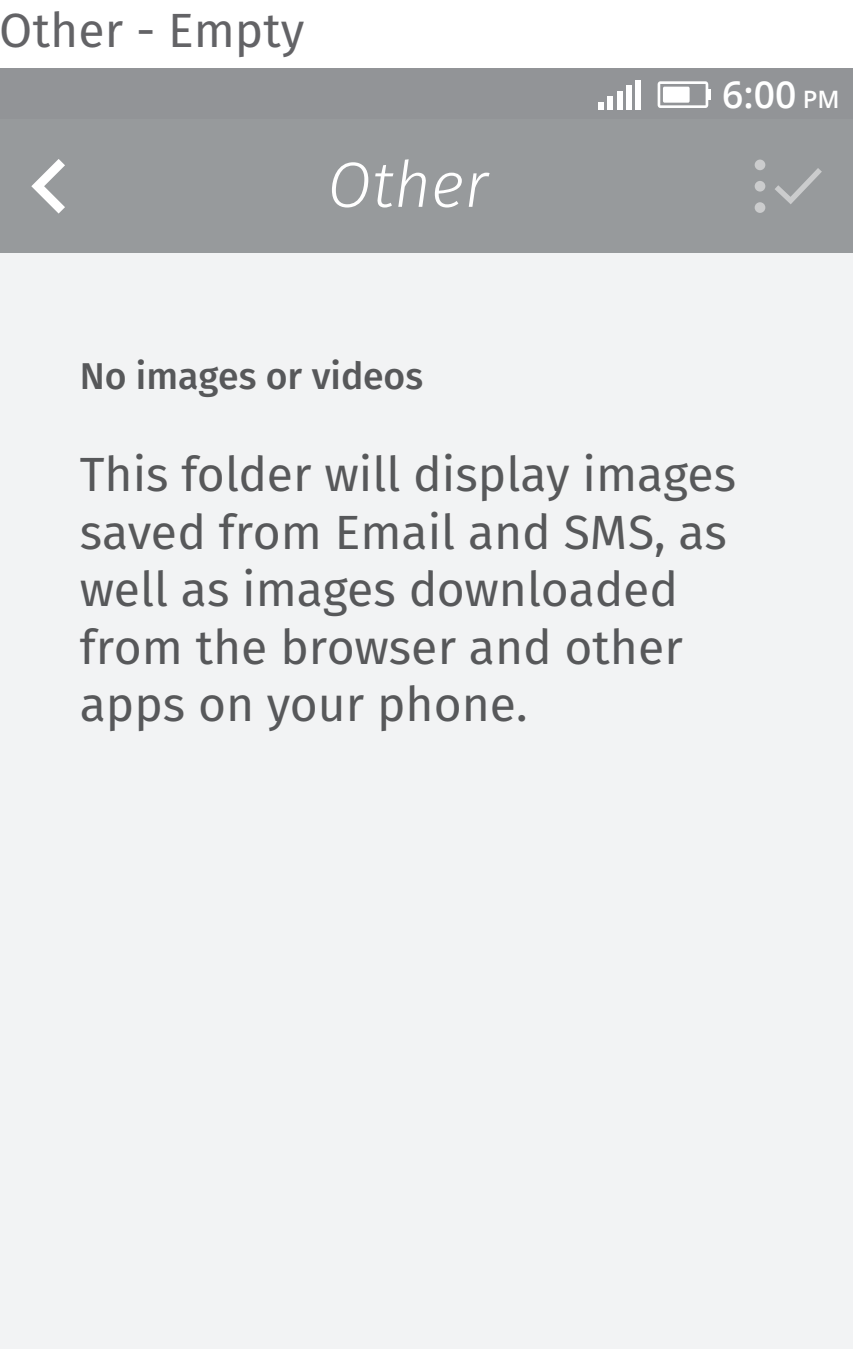


When Favourites stream is empty display a How-To message

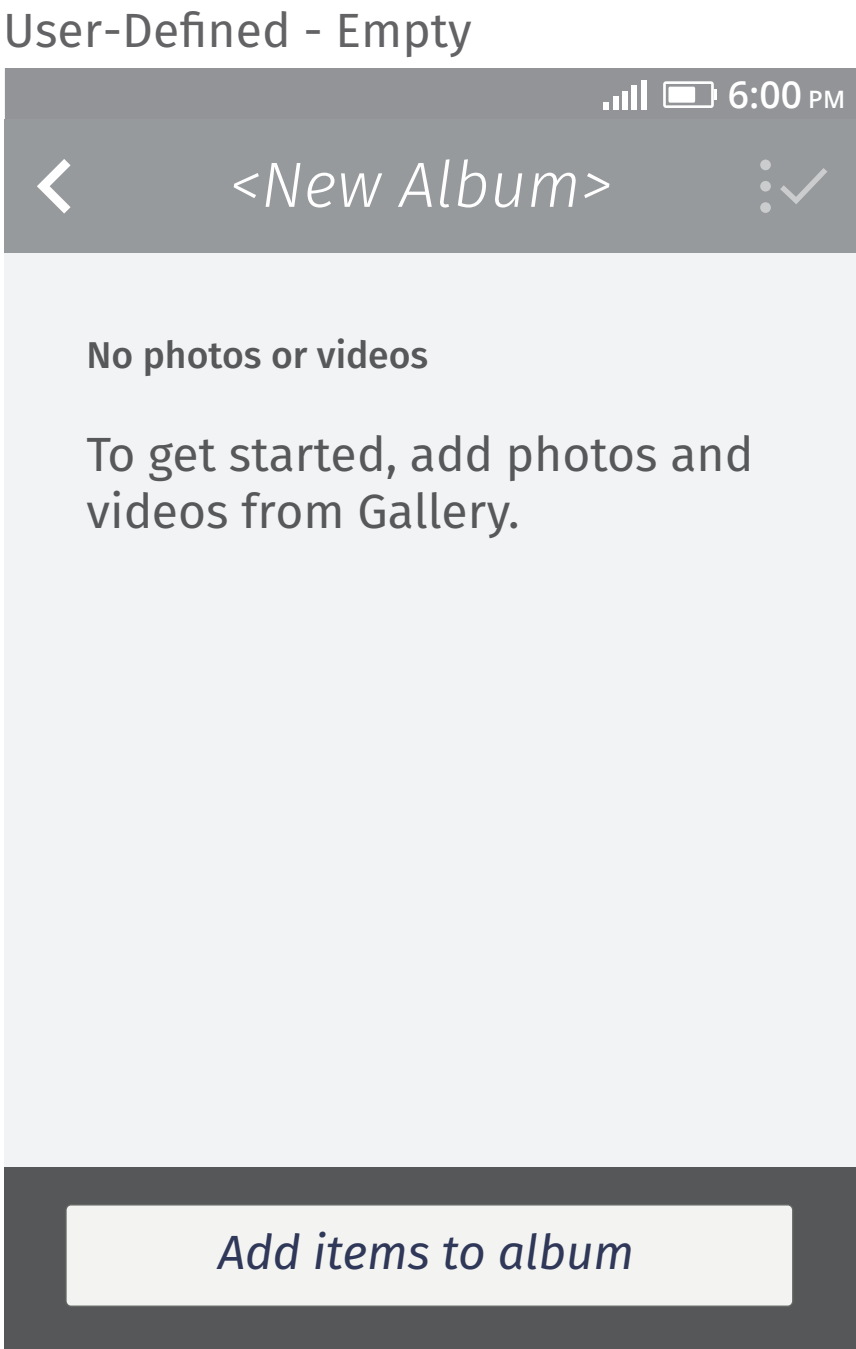


When Screenshots folder is empty, display How-To message.

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



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



When a user-defined folder is empty display message and link to add photos and videos from Gallery.

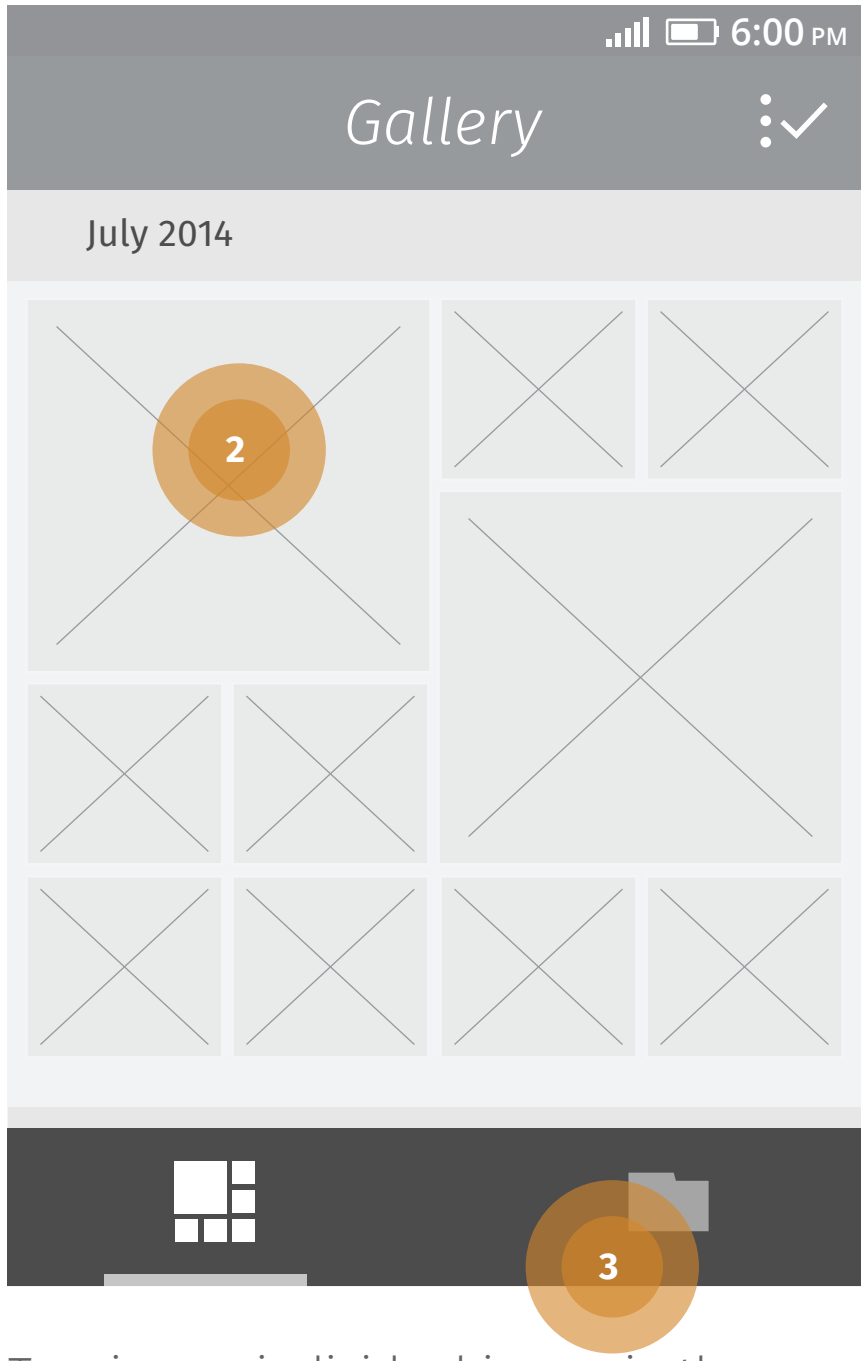
Notes

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

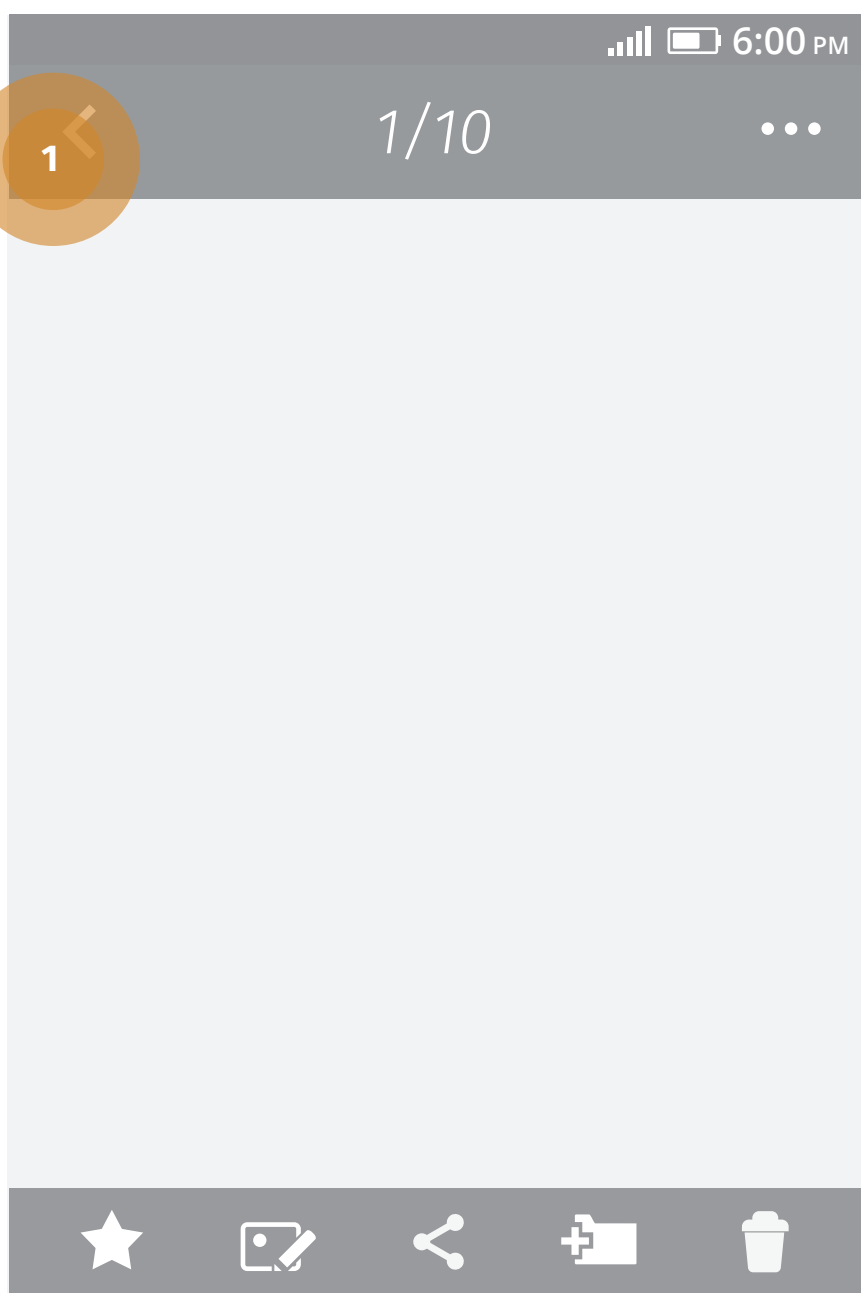
1. Main Gallery GRID View



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

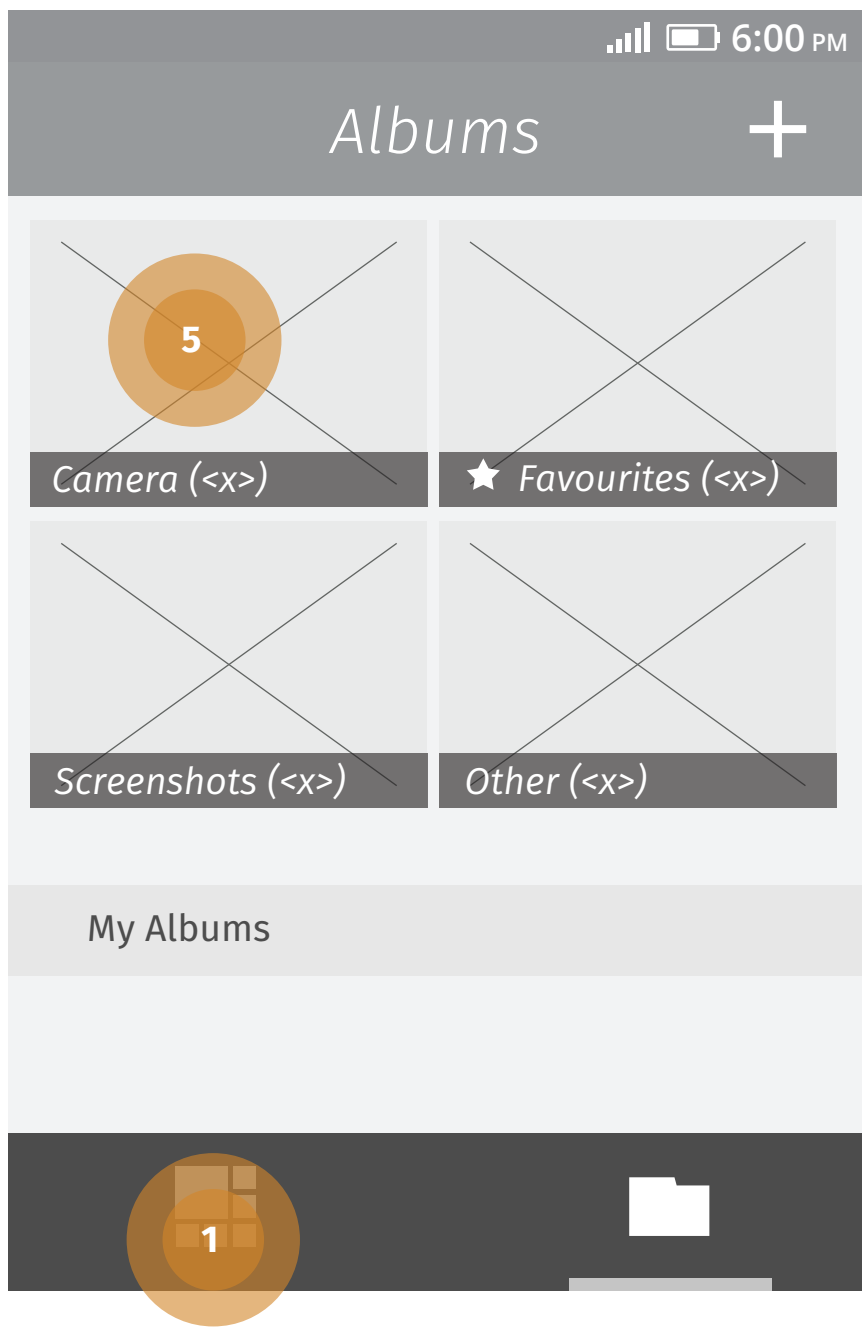
Tapping Album icon in the navigation bar takes user to 3. Main Gallery ALBUM View

2. Single Item View



Tapping the Back arrow returns to 1. Main Gallery GRID View

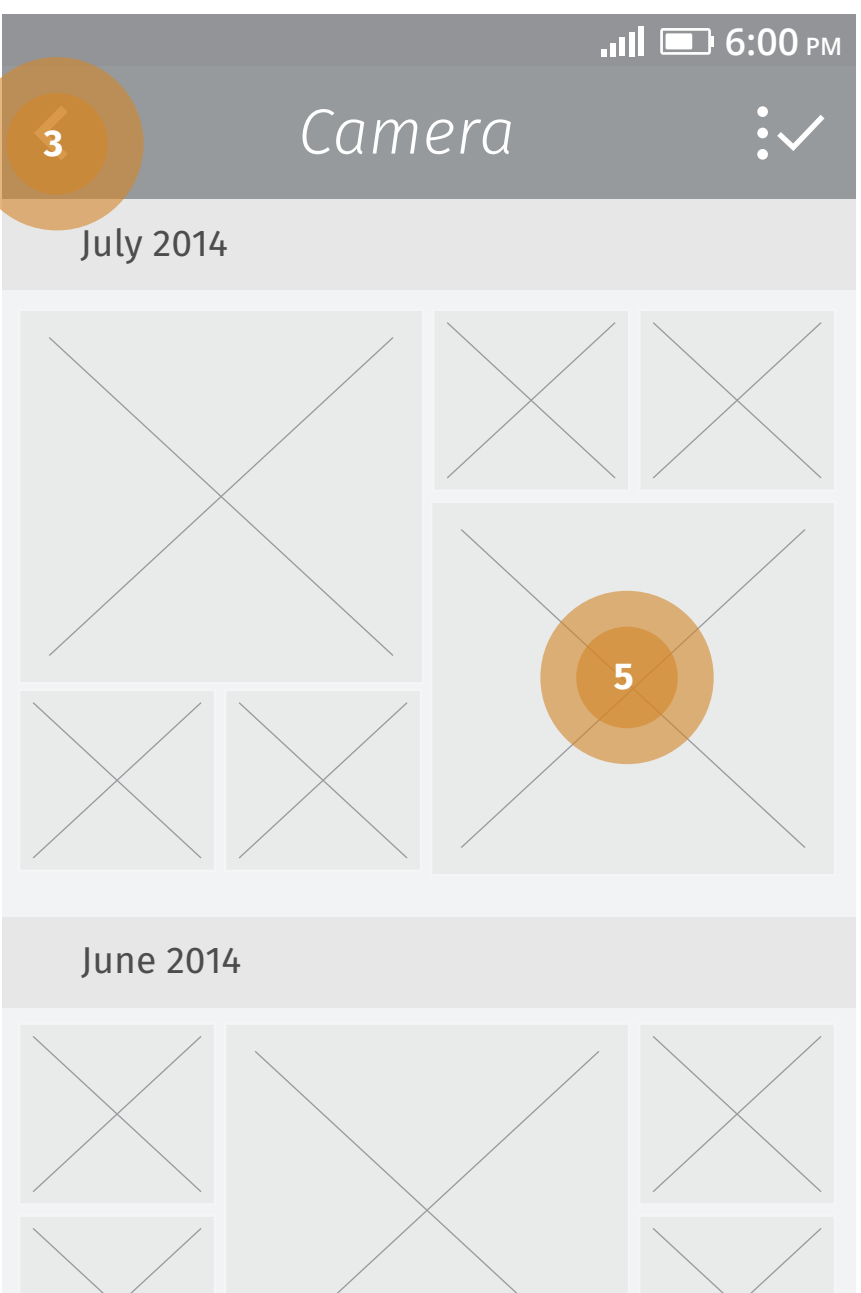
3. Main Gallery ALBUM View



Tapping a folder takes user 4. Camera Sub View

Tapping Grid icon in the navigation bar takes user to 1. Main Gallery GRID View

4. Camera Sub View

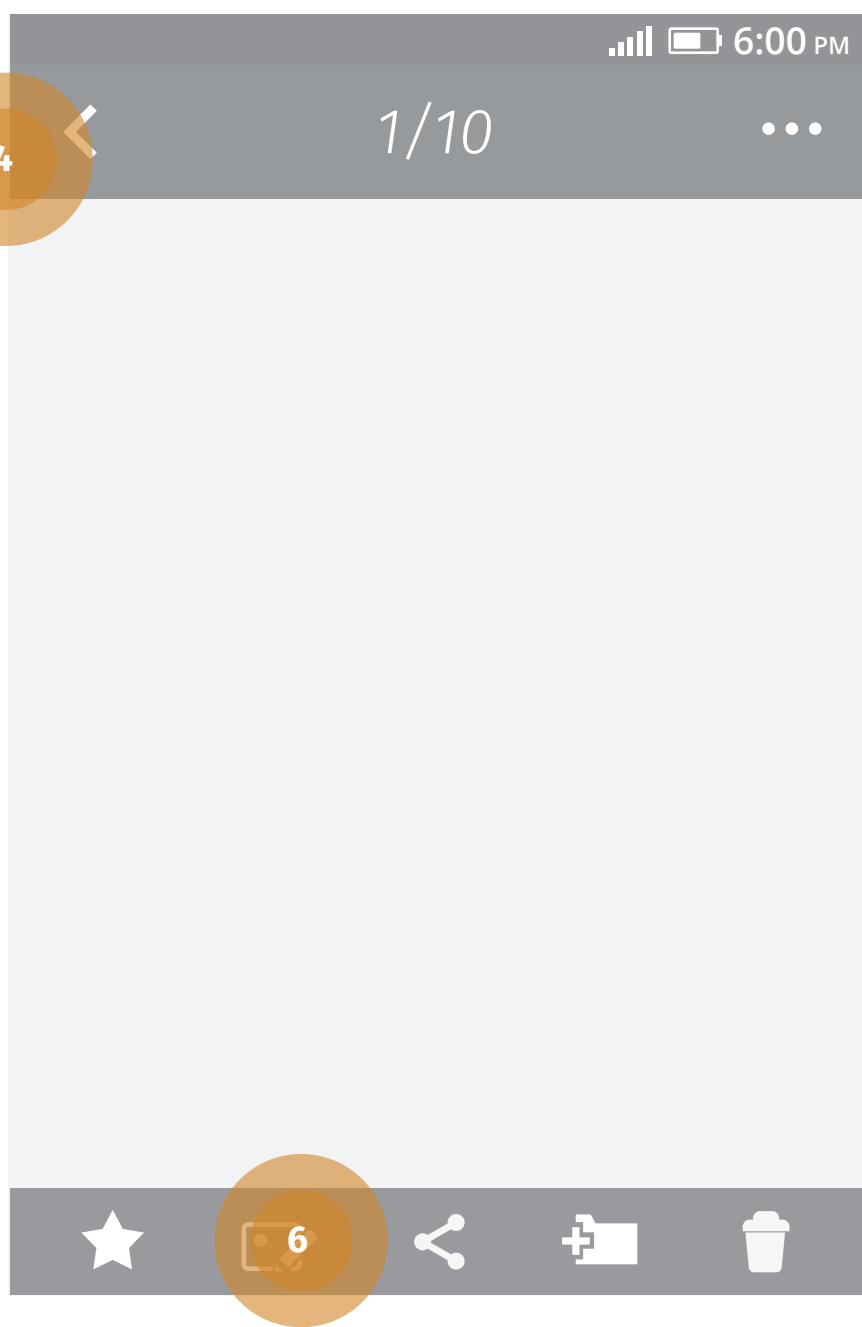


Applies to all folder views

Tapping back arrow returns user to 3. Main Gallery ALBUM View

Tapping a single image takes user 5. Single Image View

5. Single Item View

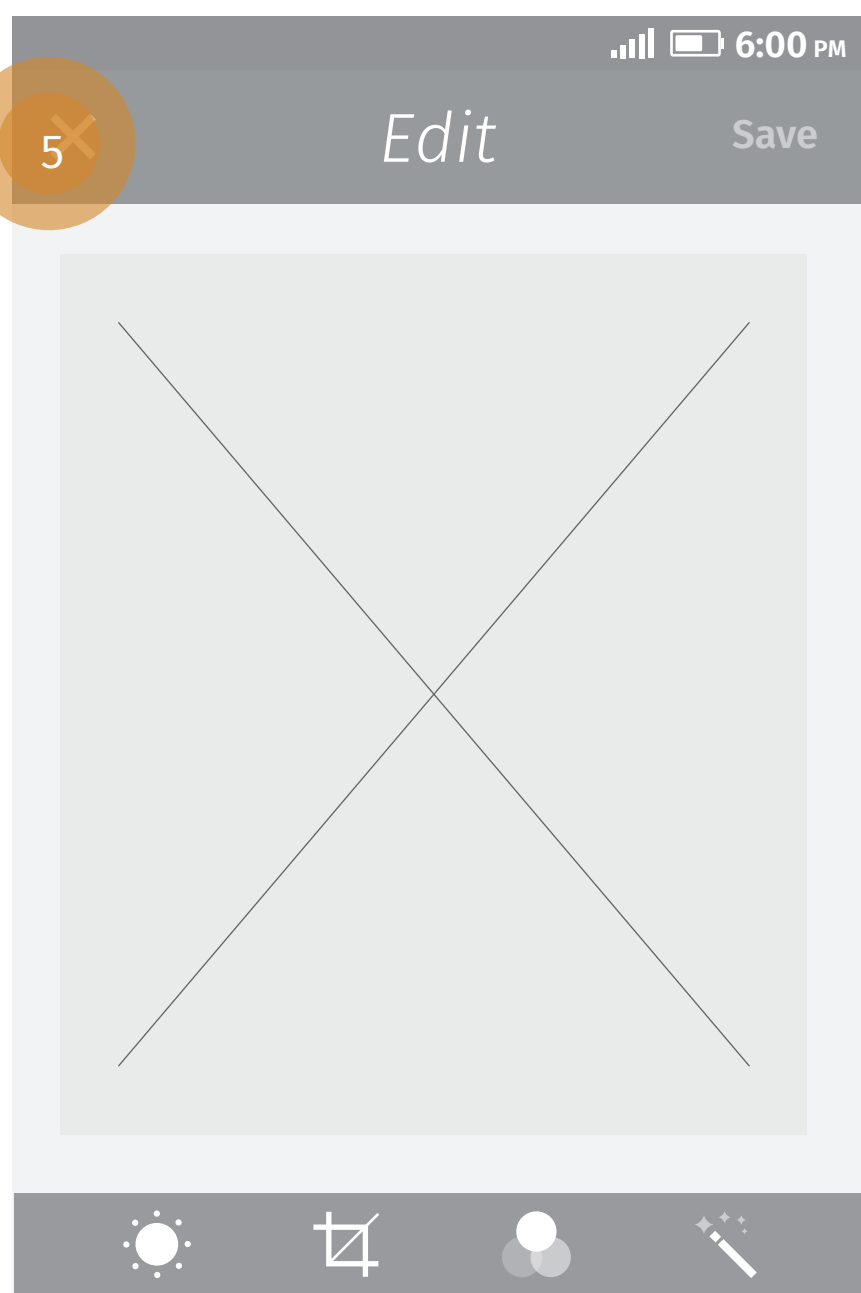


Tapping the Back arrow takes user to Sub View

Add to Album icon replaces View Info icon in toolbar

Overflow actions move to more options menu in header: View Info & Open Camera

06. Editor

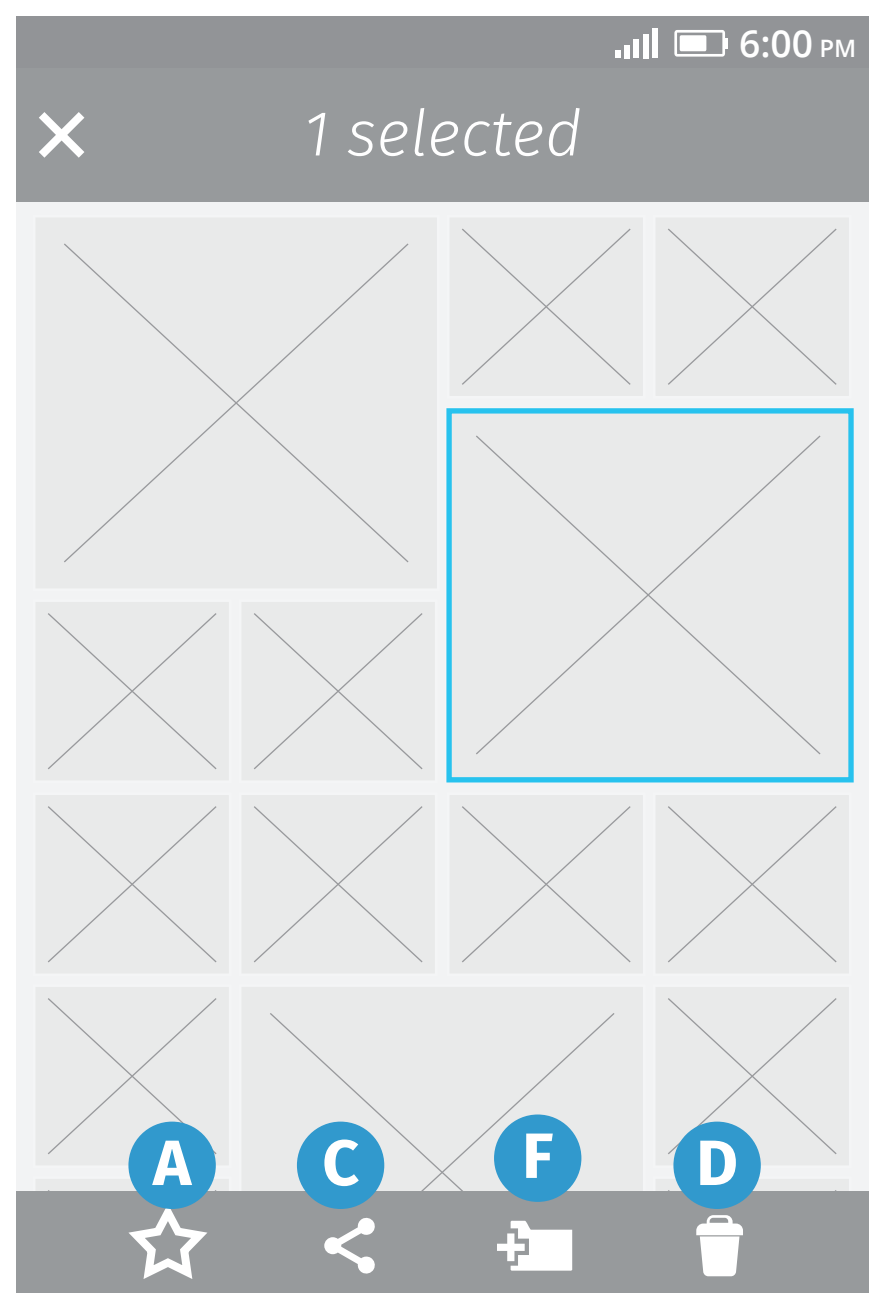


Tapping x returns takes user to 5. Single item View

see [2.2] Gallery Edit.pdf spec

Multi-Select - Details

Multi-Select

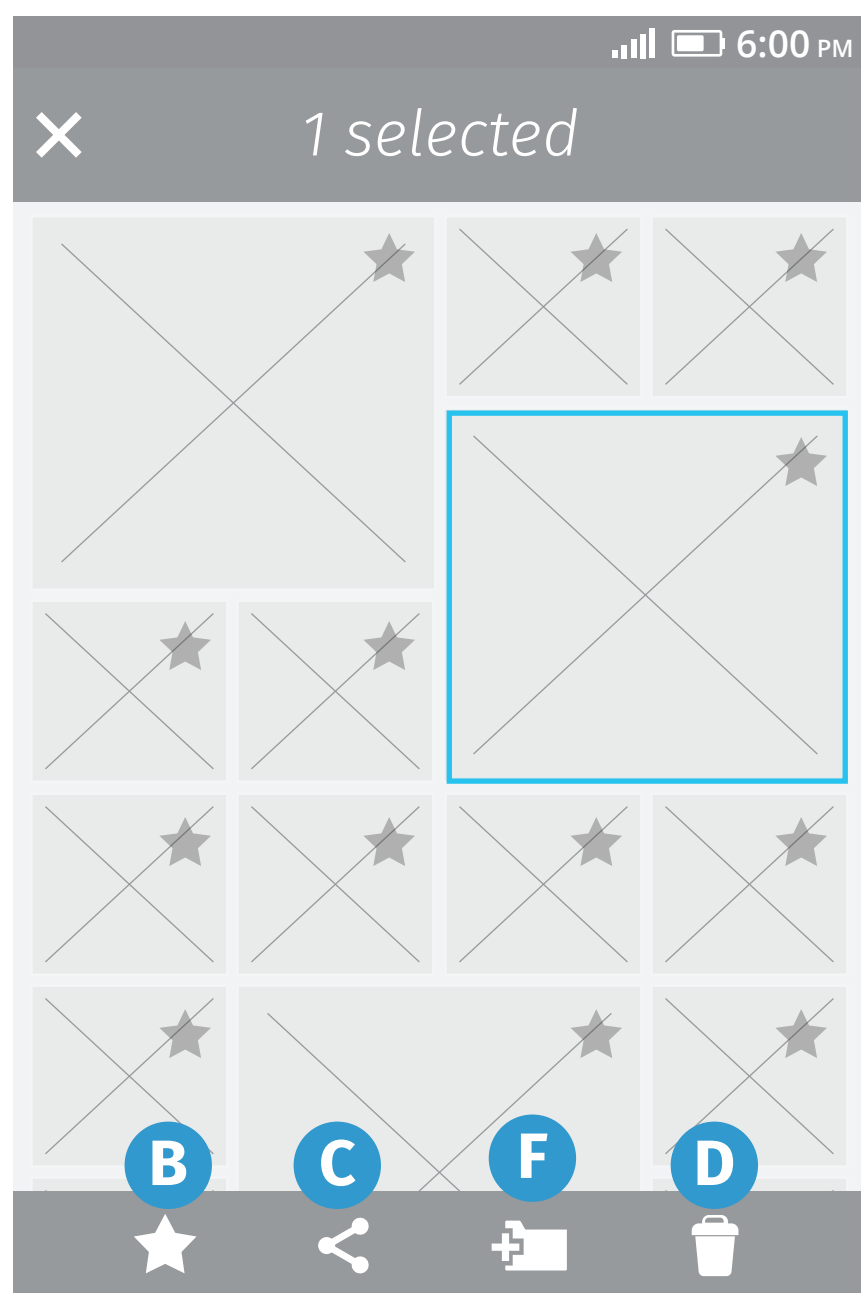


Applicable to all views.

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

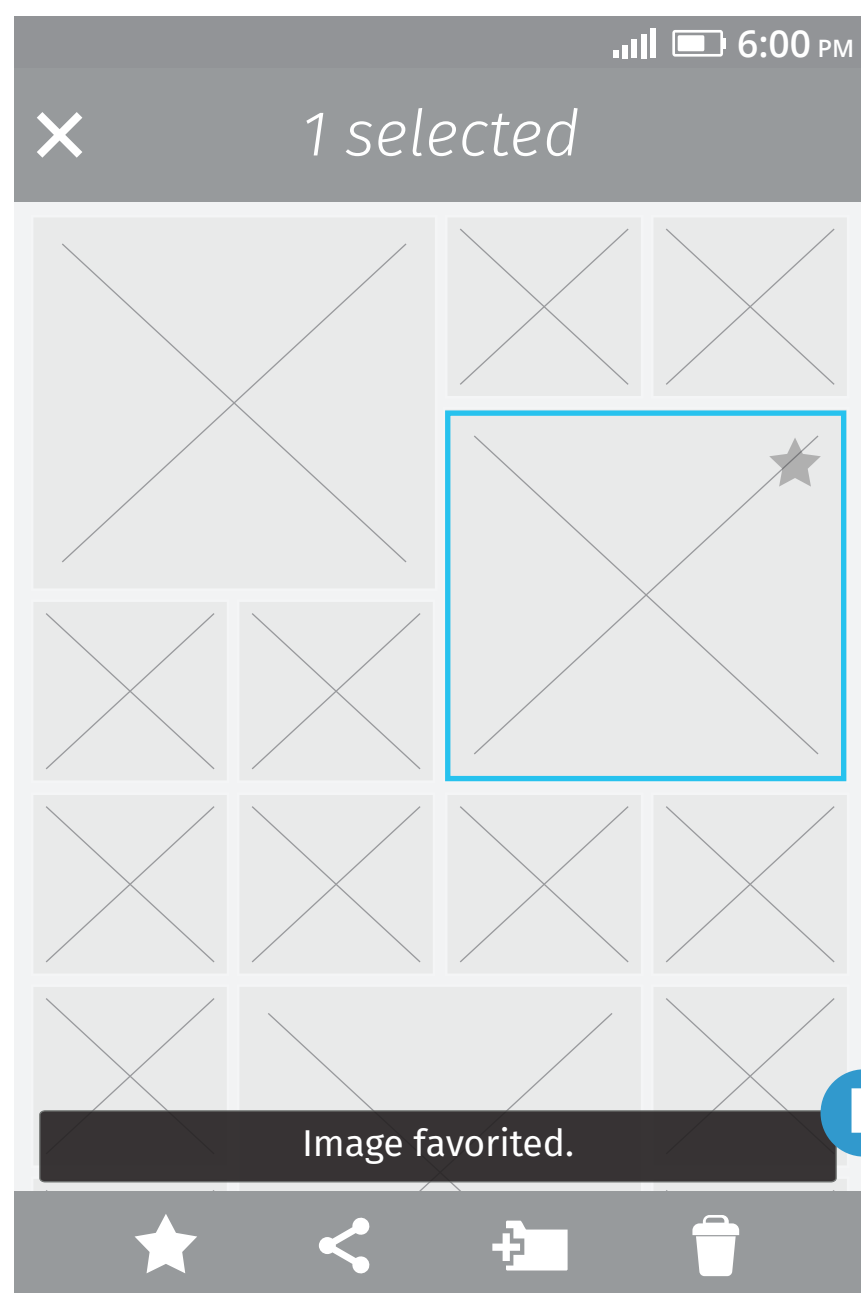
Favourites - Multi-Select



Only applicable to Favourites view.

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

Confirmation Banner

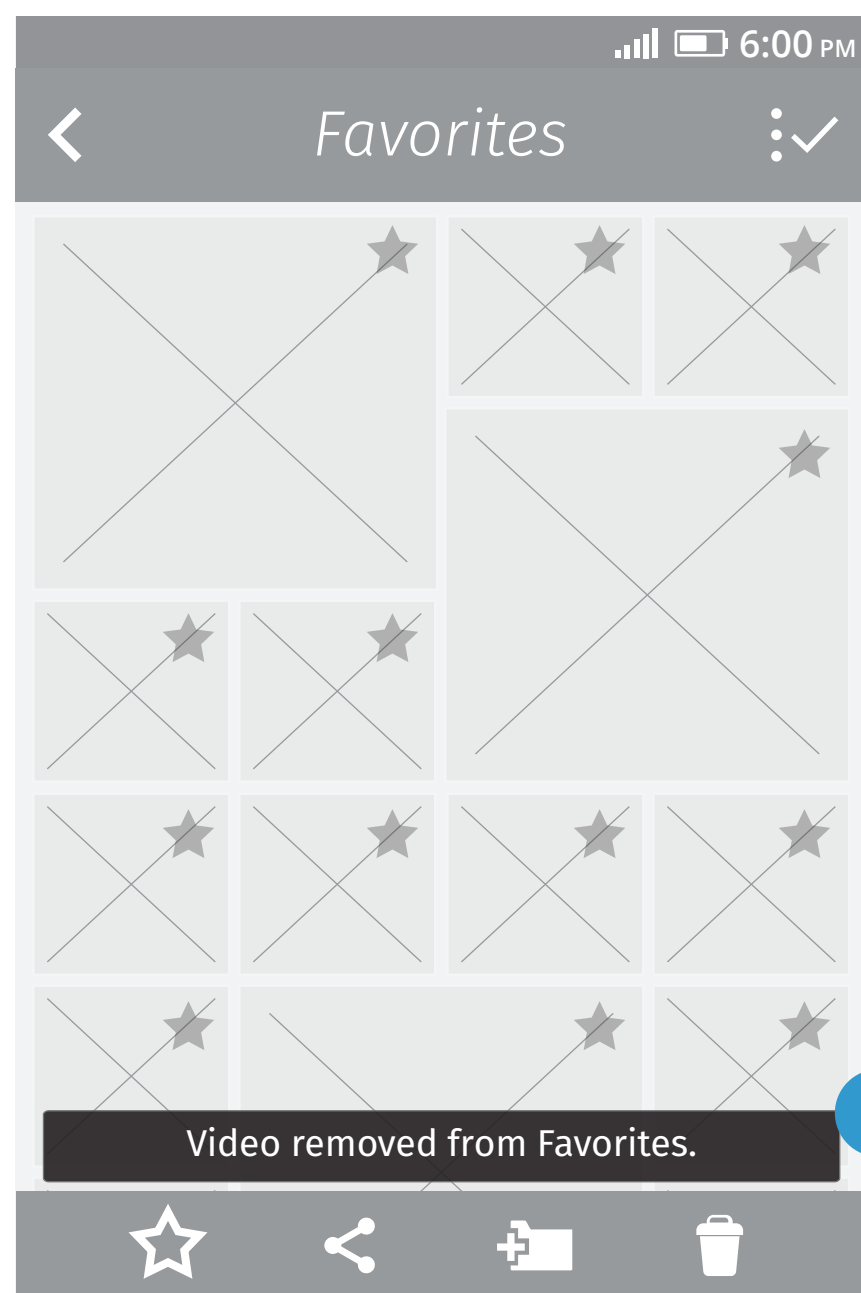


Strings -
Images Favourited.
2 images Favourited.
(we know it's an image file type)

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

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

Confirmation Banner



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

Video removed from Favourites.
2 videos removed from Favourites.
(we know it's a video file type)

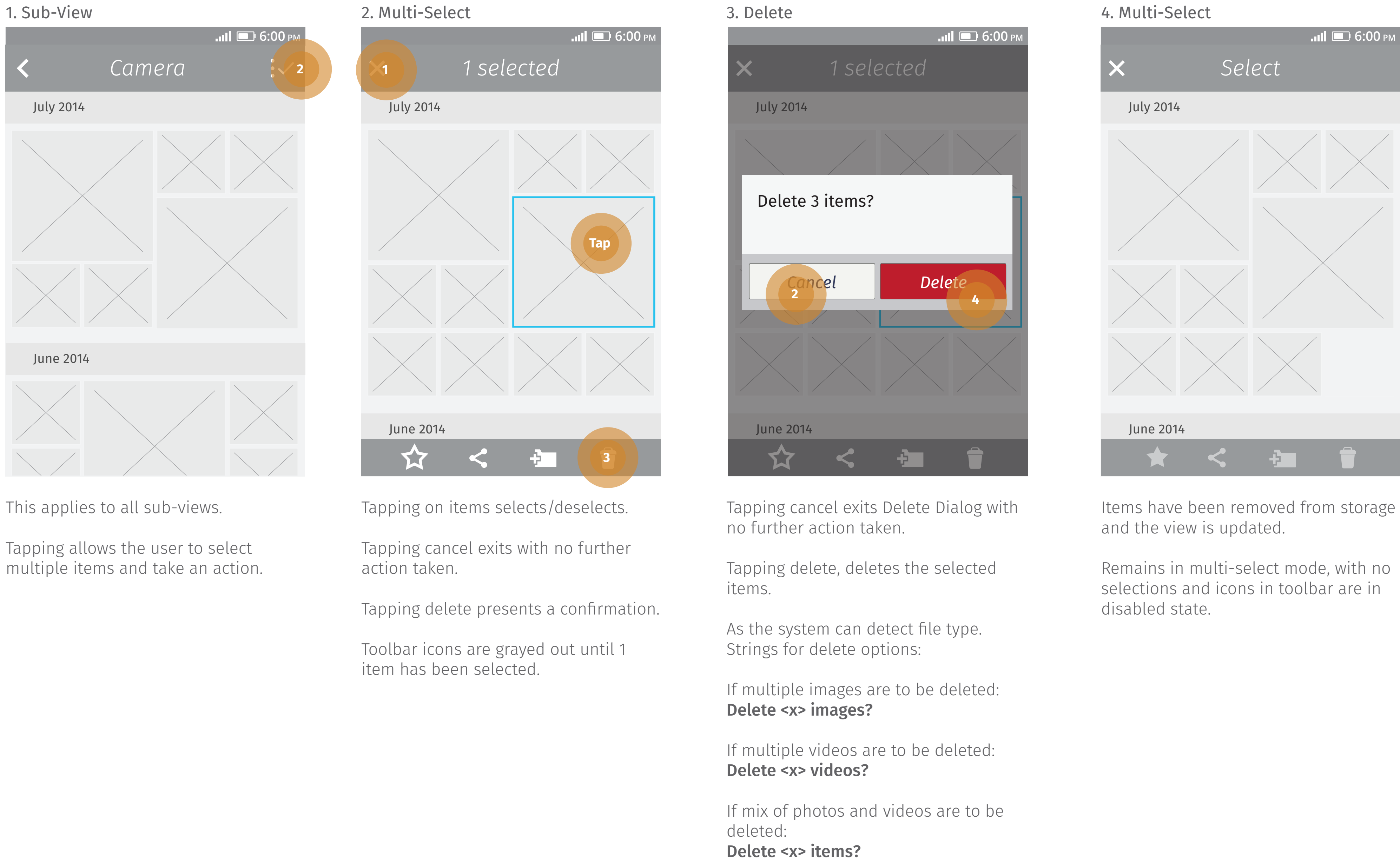
2 items removed from Favourites.
(we know 2 different file types are selected)

Notes

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

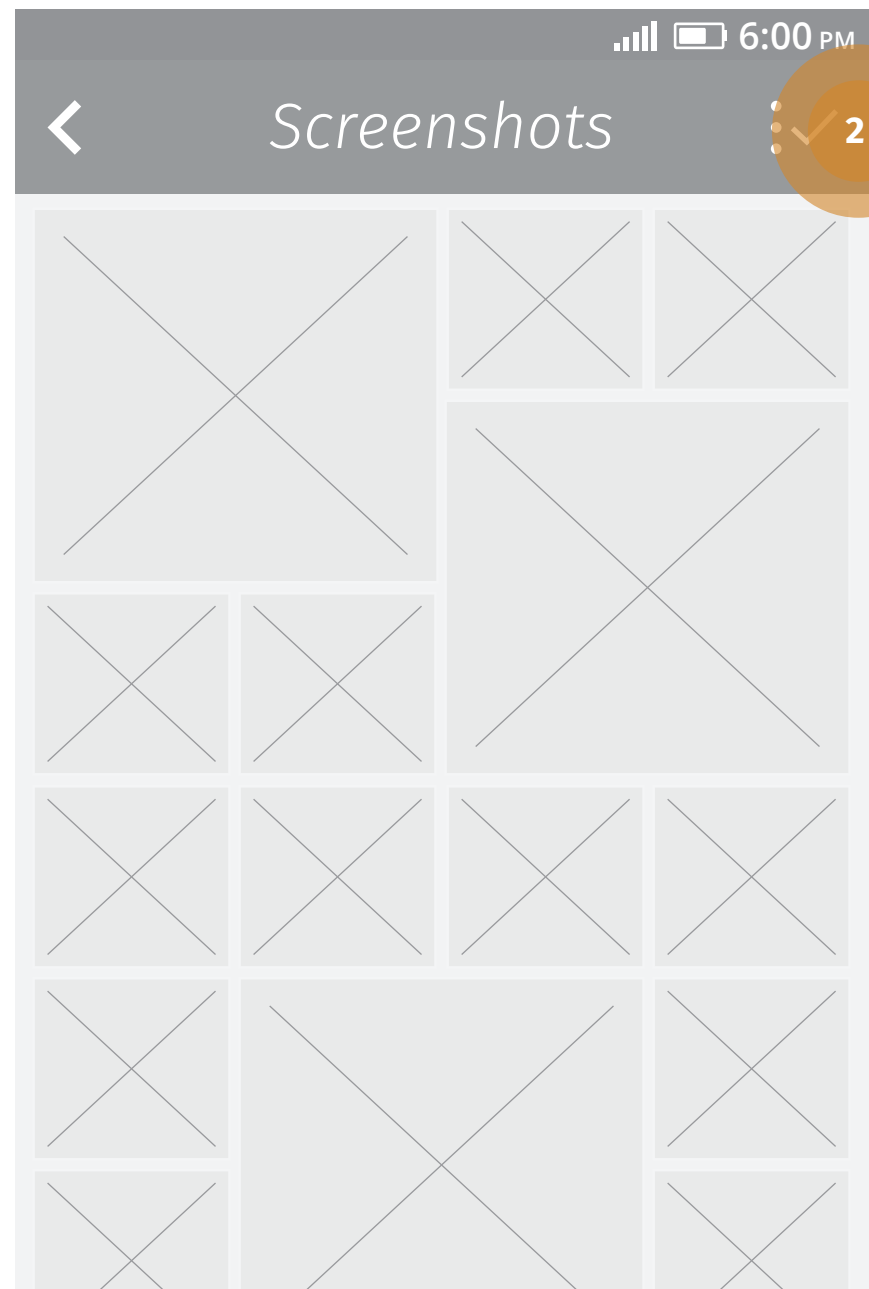
If an item is already Favourited, it is not added to the Favourites view again, but a banner is still shown.
- B UnFavourite**
Within the Favourite view, the user can bulk unFavourite items.
- C Share**
Functionality behaves as previous releases - show action menu with options before continuing to share activity.
- D Delete**
Functionality behaves as previous releases - first present a confirmation before finishing the action.
- E Banner**
After favouriting or unfavouriting an item, show a confirmation banner. Confirmation banners reinforce user choice of favouriting in cases where items are selected, but not in view (due to user scrolling).
- F Add to Folder**
User can add images to user-defined albums

Multi-Delete - Flow



Multi-Share - Flow

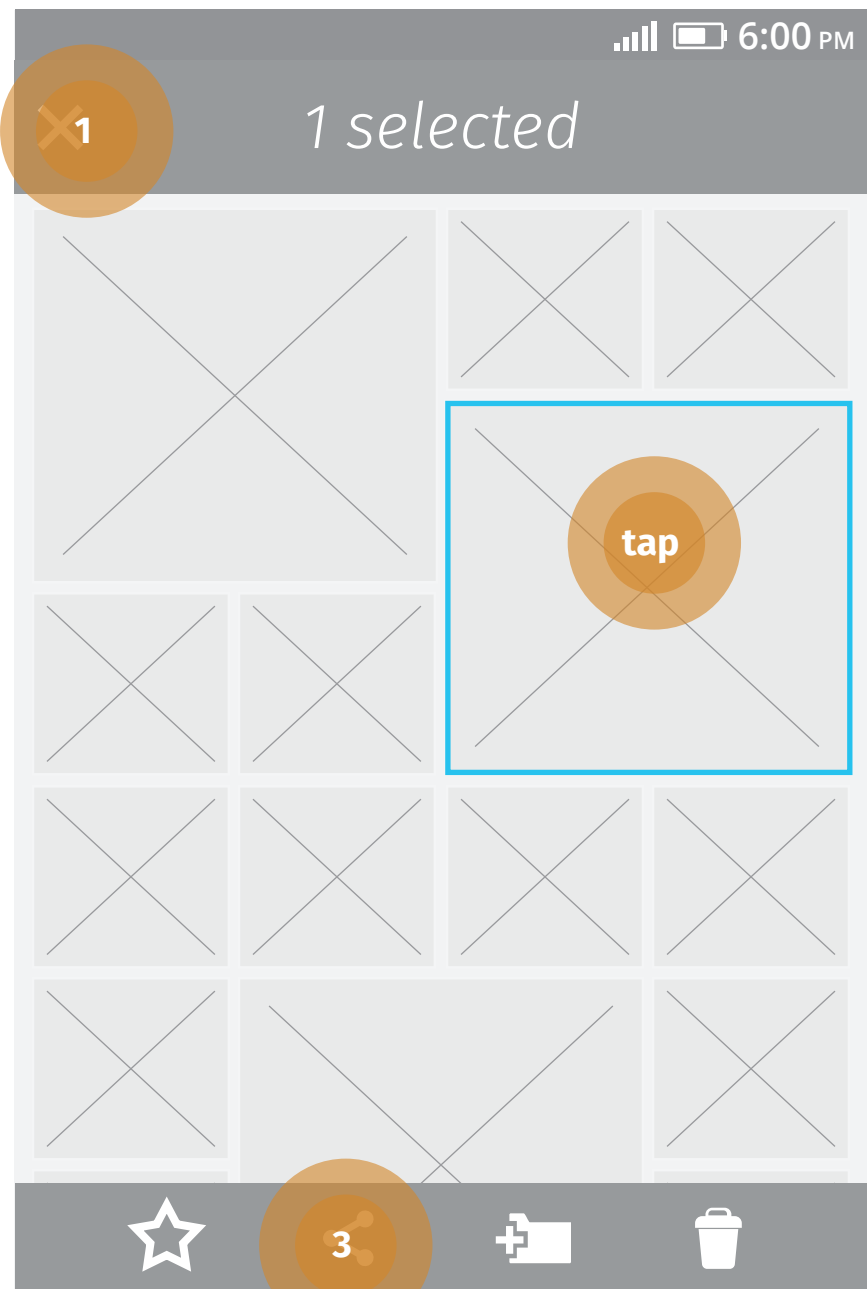
1. Sub-View



This applies to all sub-views.

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

2. Multi-Select



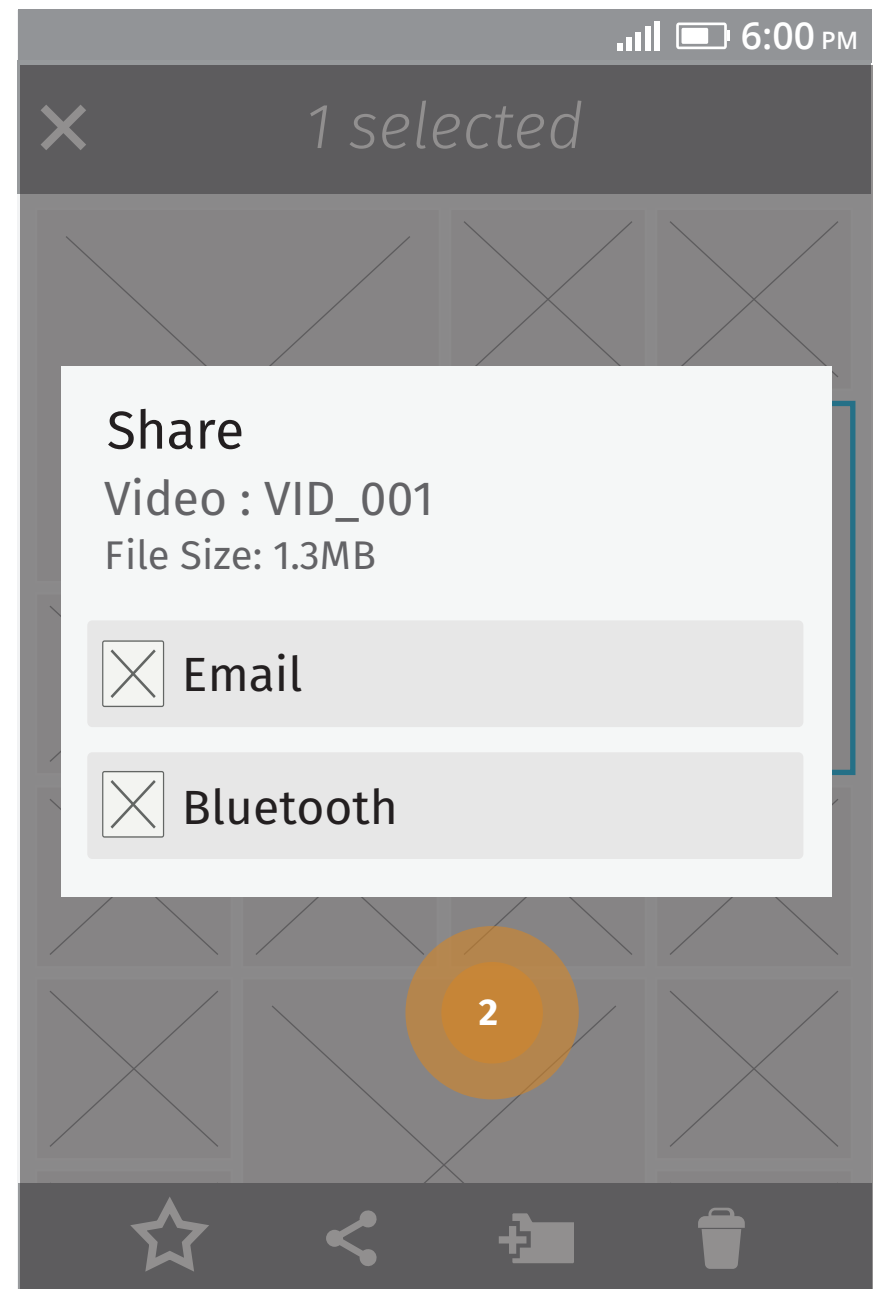
Tapping on items selects/deselects.

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.

Show the user the file size, educate about sharing limits via certain apps. It might take a bit of a learning curve, but the information is presented to avoid frustration.

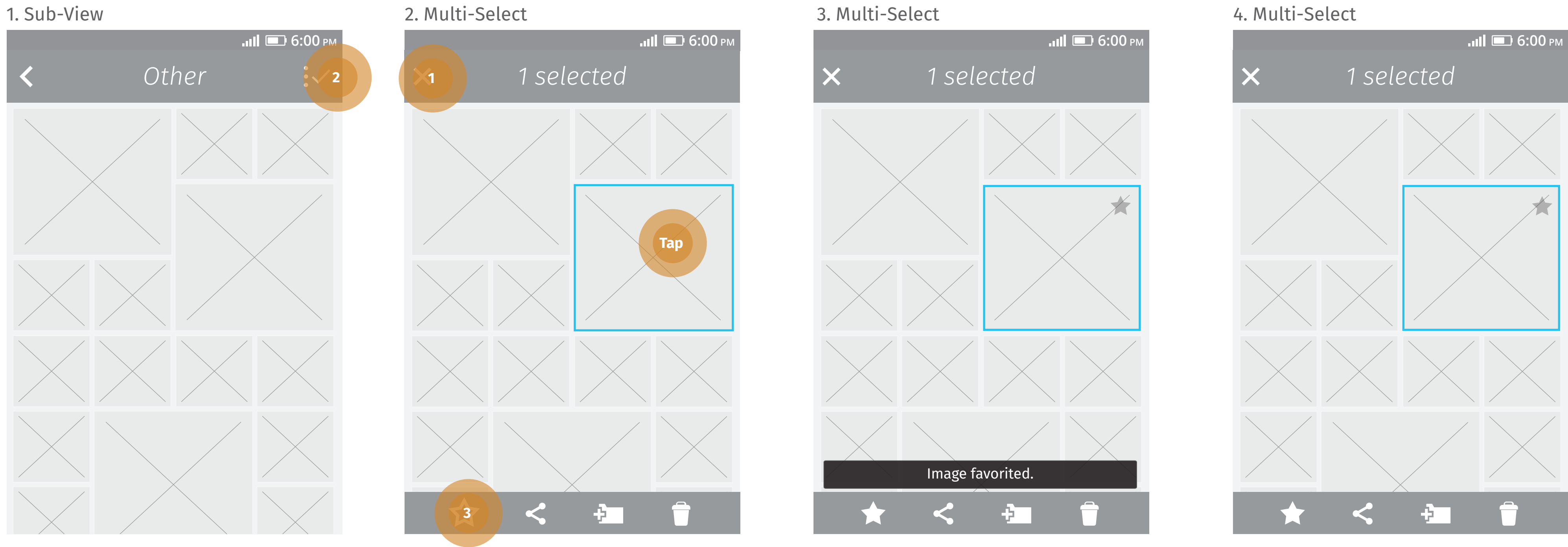
Tapping outside of the Sharing options menu cancels out of the list view.

SHARE FLOW



Use current UI/flows for sharing options.

Multi-Favourite - 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 Favourite adds the selected items to the Favourites sub-view.

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

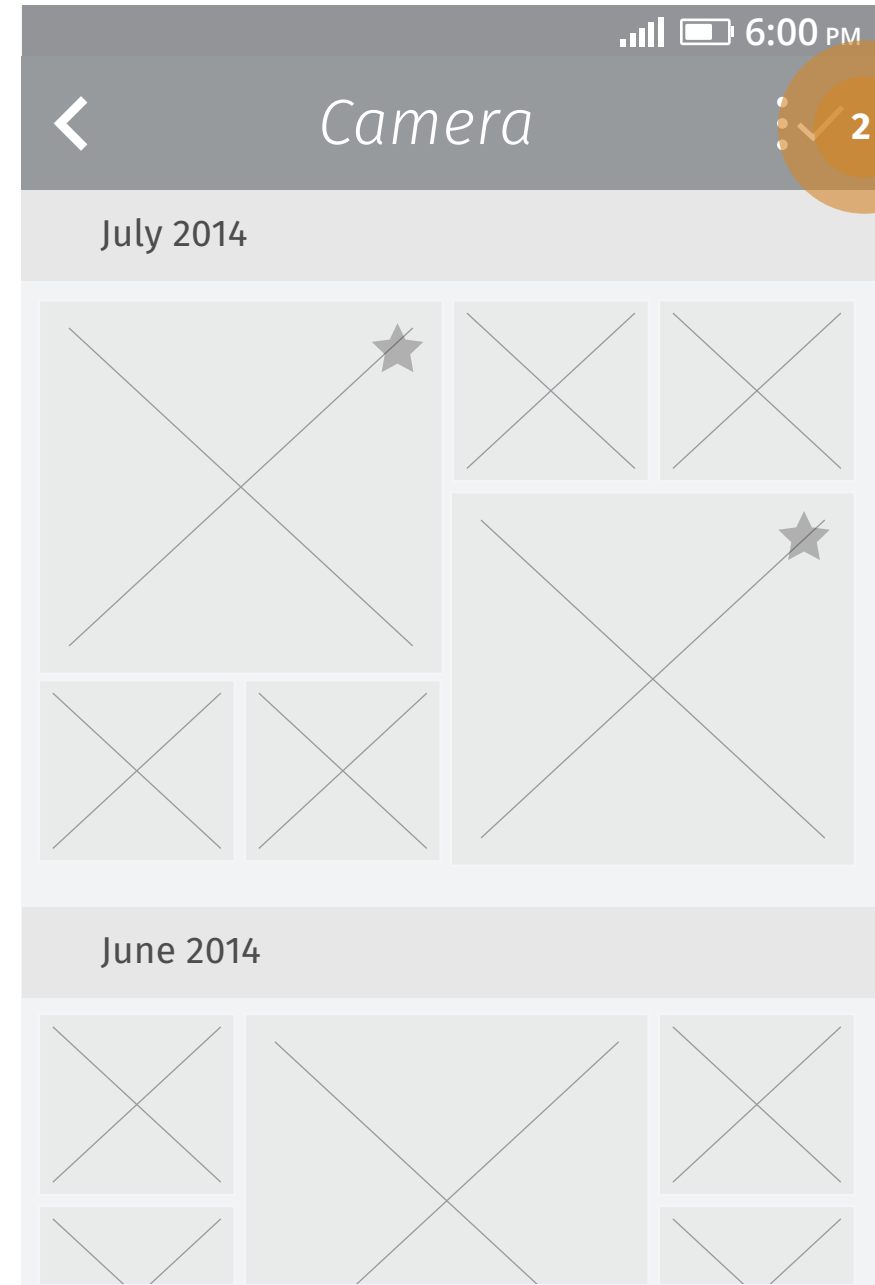
Selected items are Favoured with a visual indicator. A confirmation banner is shown. Banner fades away in 2 seconds.

Items stay selected

Toolbar icon changes to Unfavourite state.

Multi-Favourite - Mixed Selection - Flow

1. Sub-View

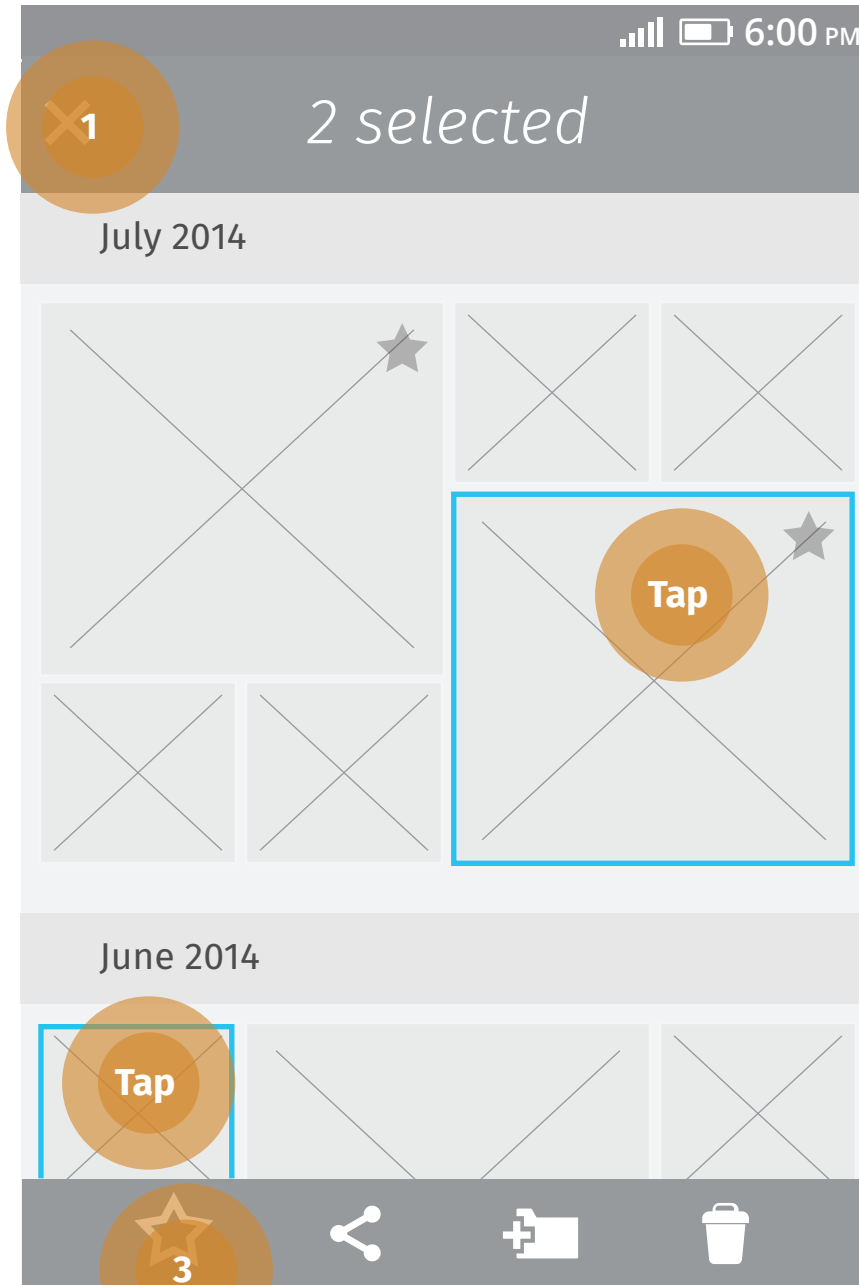


This applies to all sub-views (except Favourites Sub View)

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

Previously Favourited items have visual indicators

2. Multi-Select



Tapping on items selects/deselects.

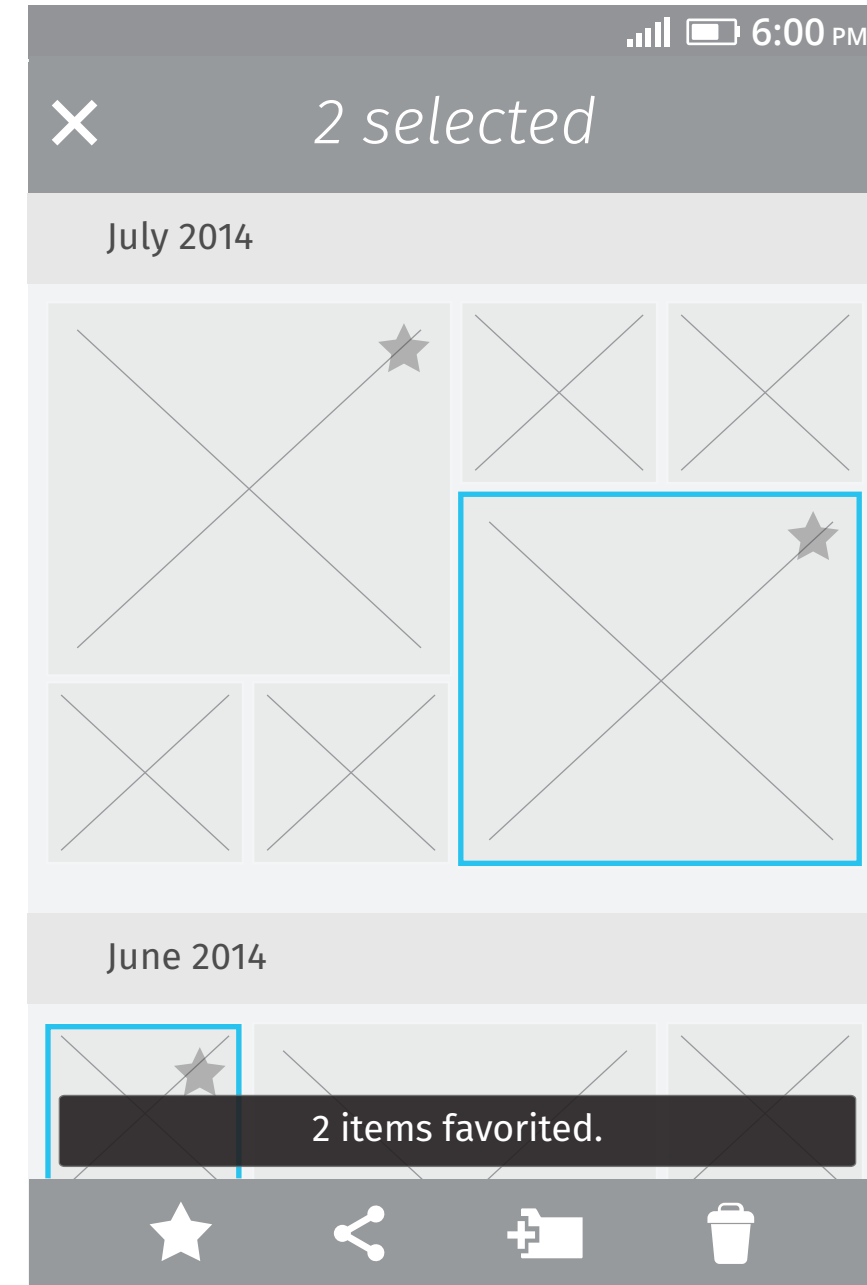
Tapping cancel exits with no further action taken.

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

Tapping Favourite adds the selected items to the Favourites sub-view.

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

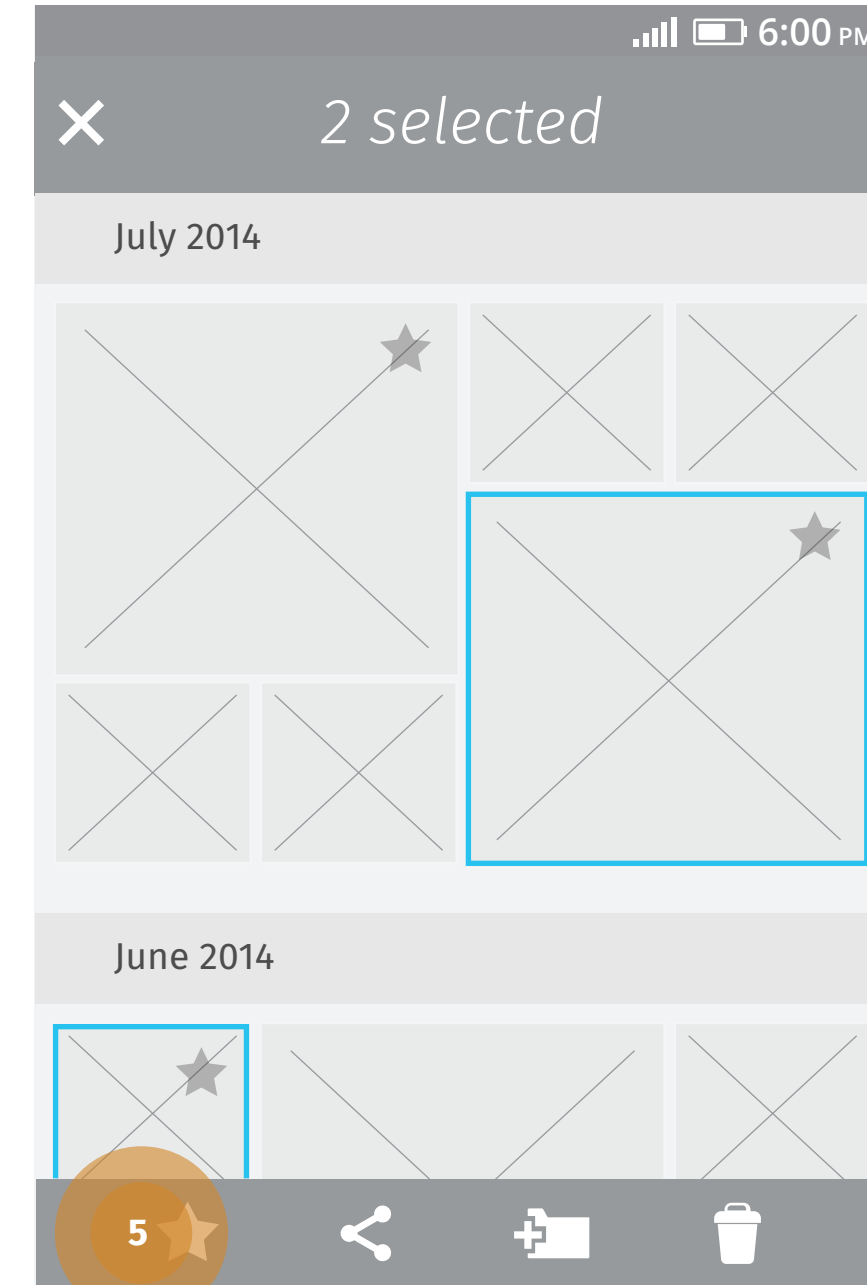
3. Multi-Select - Favourited



Selected items are favourited. a confirmation banner is shown. Banner fades away in 2 seconds.

Items remain selected

4. Multi-Select

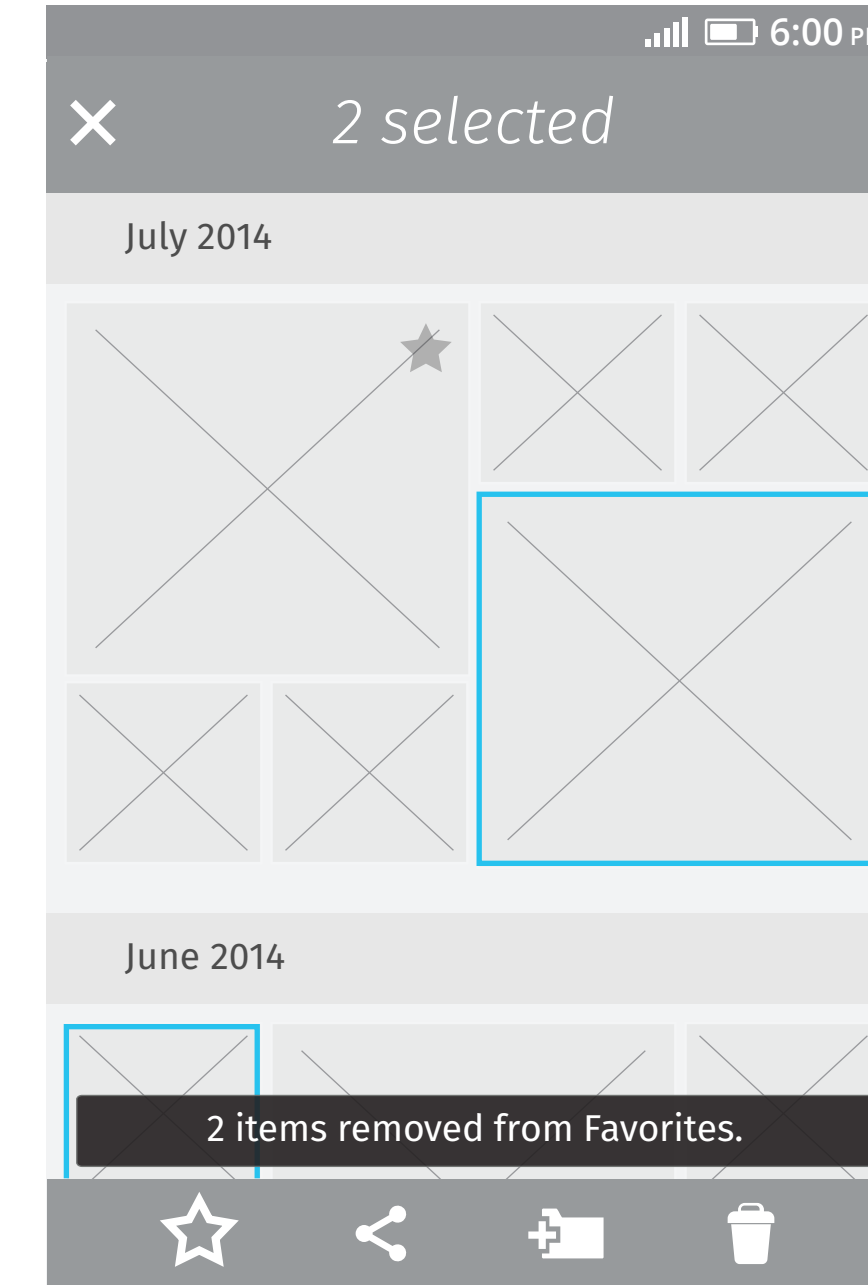


As the selected items are both "Favourites" - toolbar icons changes to Unfavourite state

Items remain selected

Tapping on Unfavourite icon removes the selected items from the Favourites sub-view

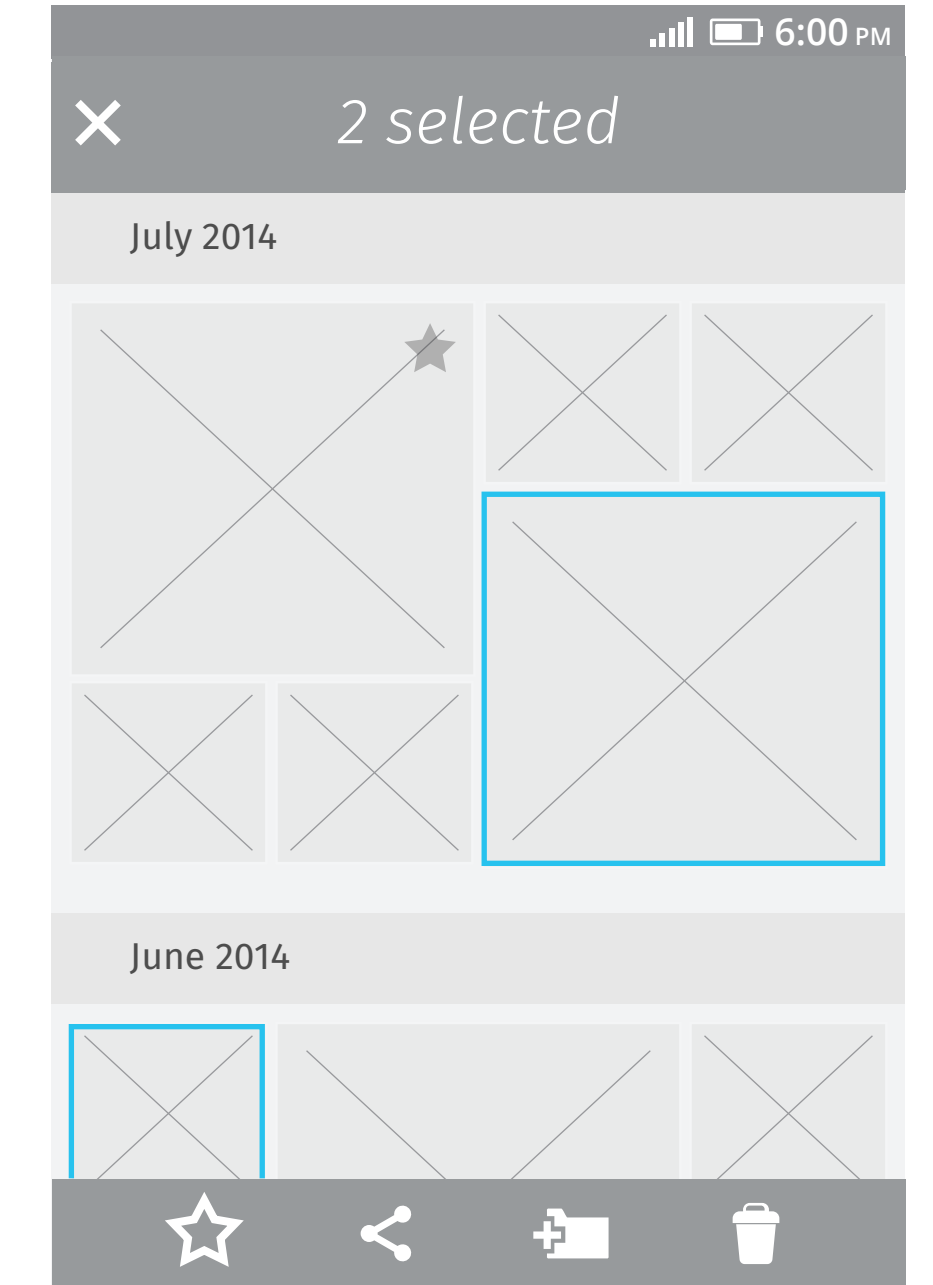
5. Multi-Select - Unfavourited



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

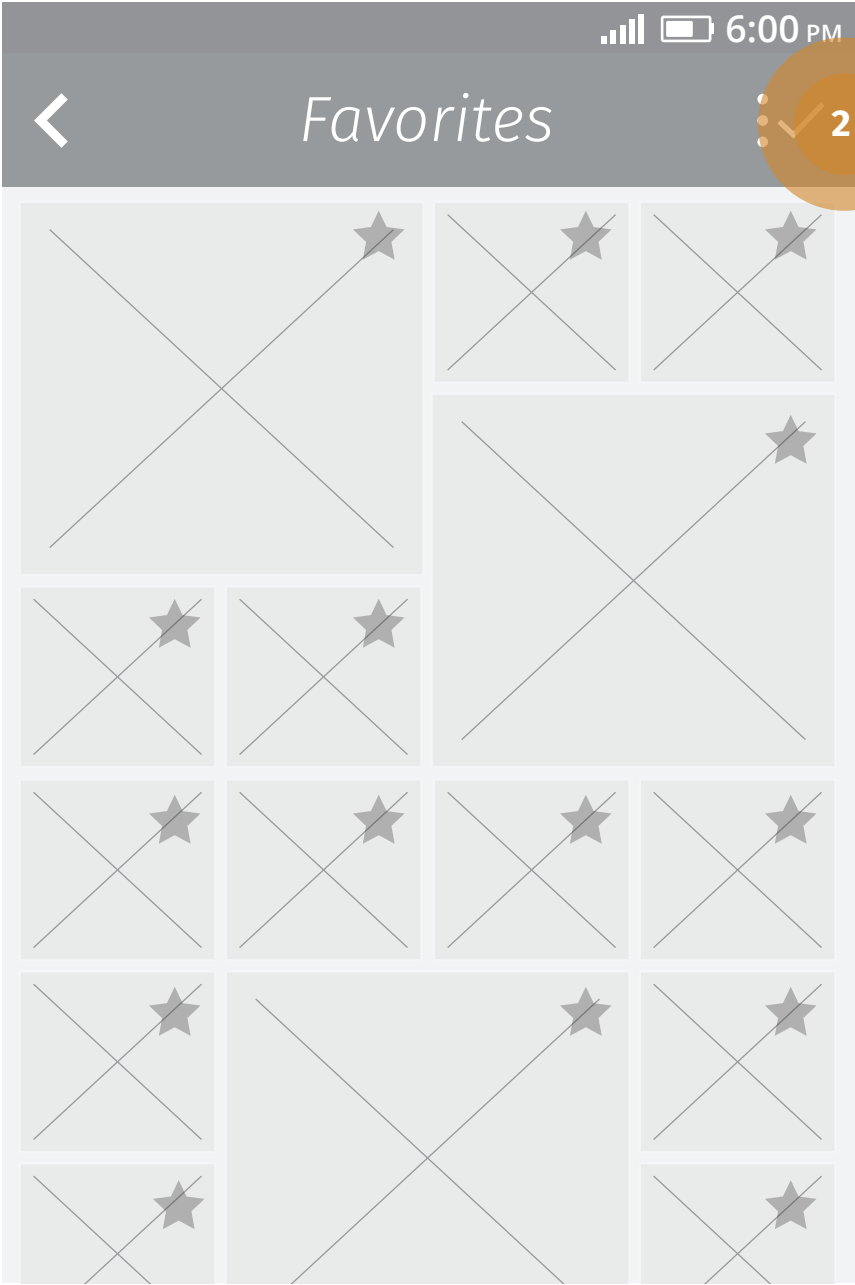
Items remain selected

6. Multi-Select



Multi-Unfavourite - Flow

1. Favourites Sub-View

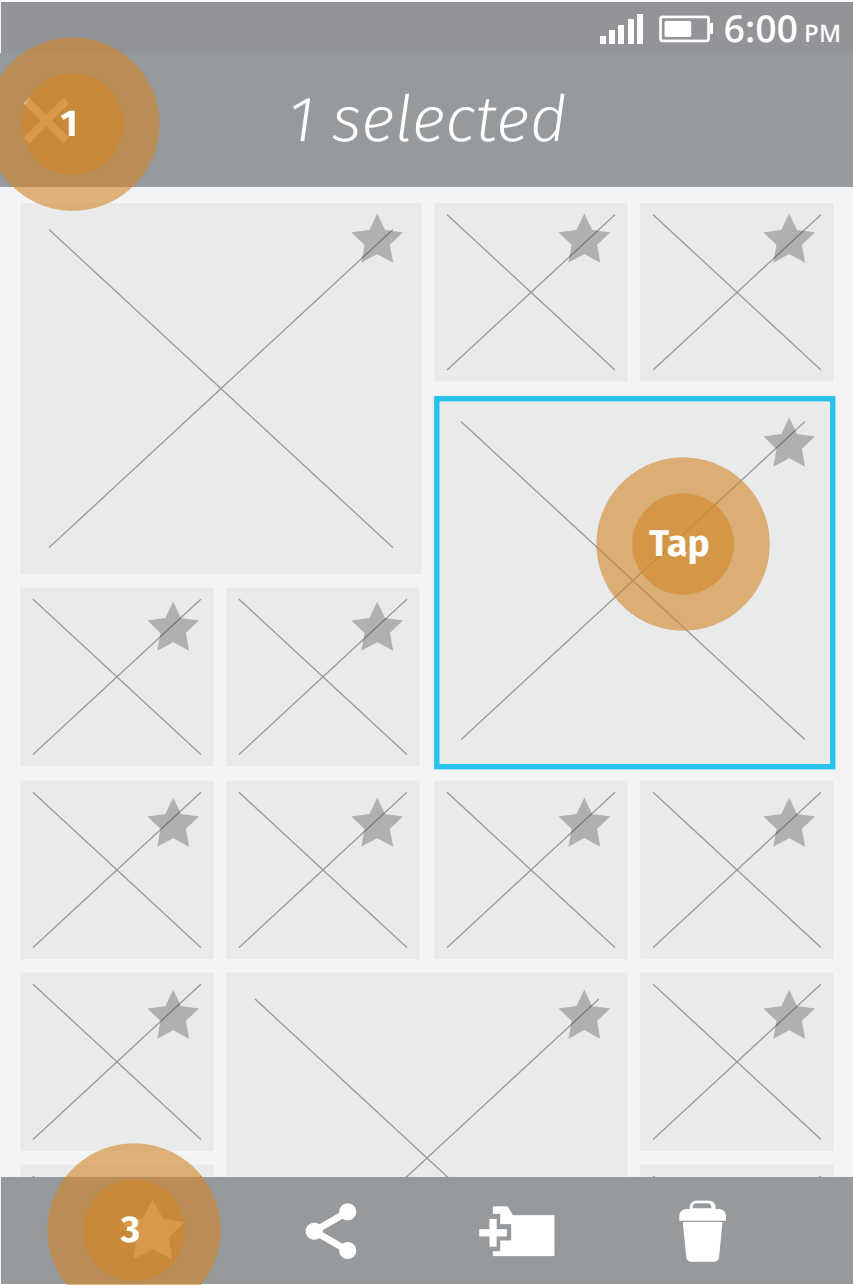


This applies specifically to the Favourites sub-view.

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

Note:
Visual Design to see if displaying stars is too much in Favourites.

2. Multi-Select



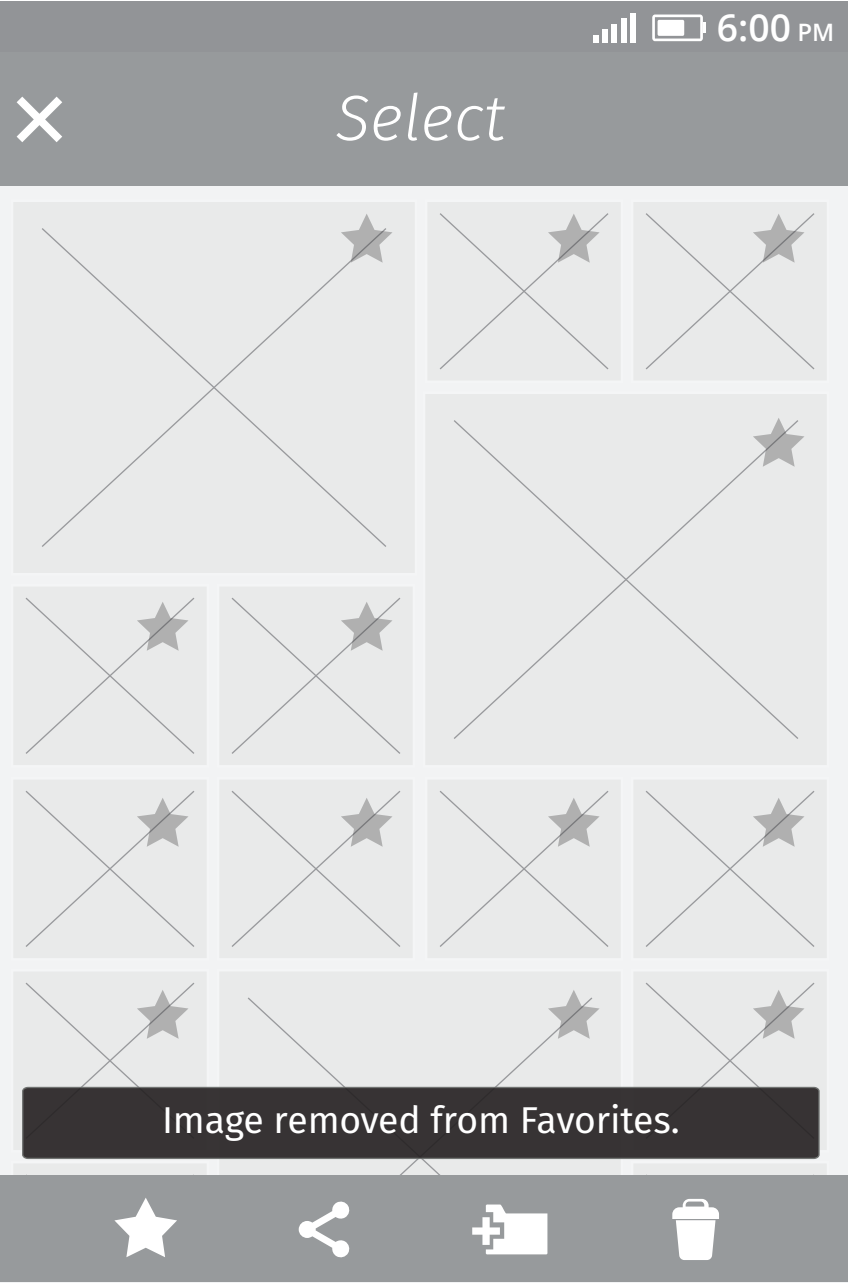
Tapping on items selects/deselects.

Tapping cancel exits with no further action taken.

Tapping unfavourite removes the selected items from the Favourites sub-view.

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

3. Multi-Select



Selected items are unfavourited and immediately removed. A confirmation banner is shown. Banner fades away in 2 seconds.

4. Multi-Select

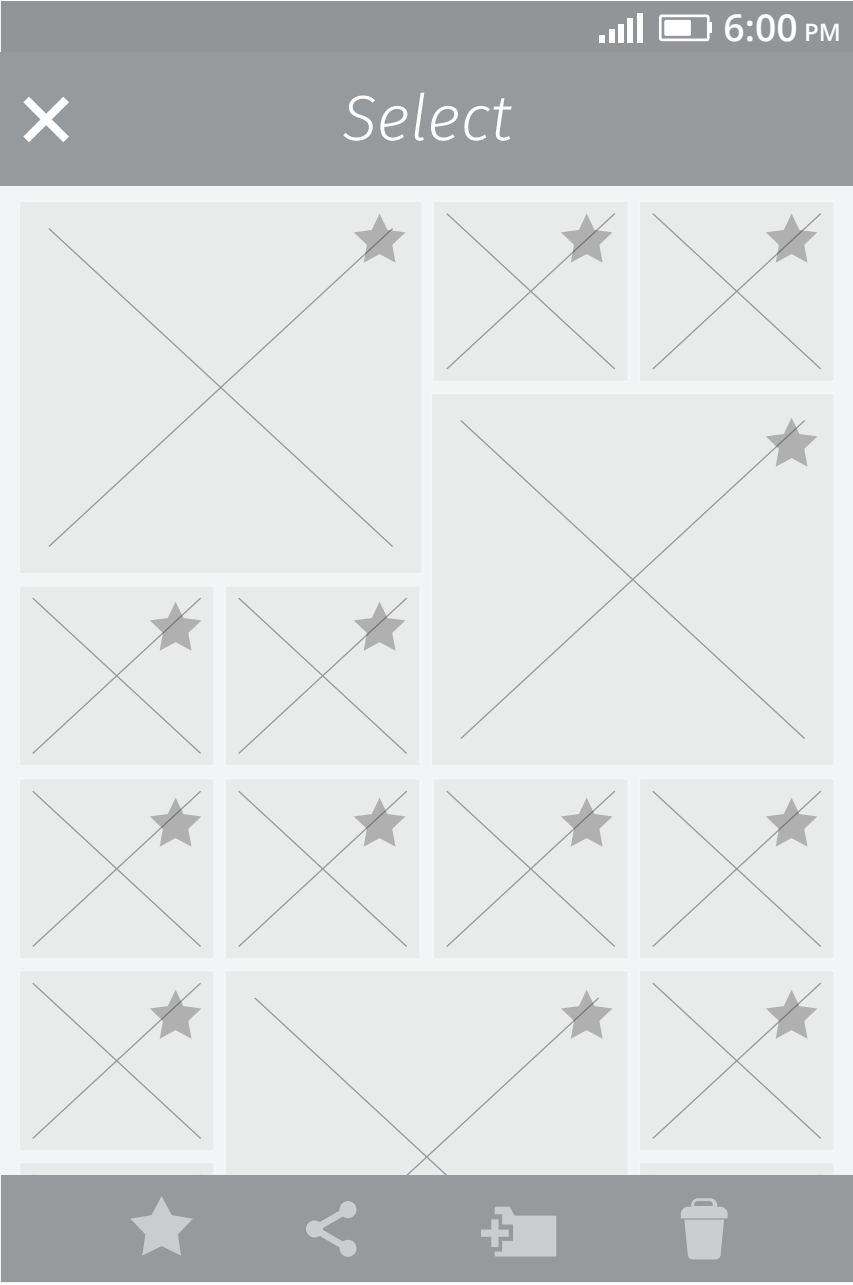
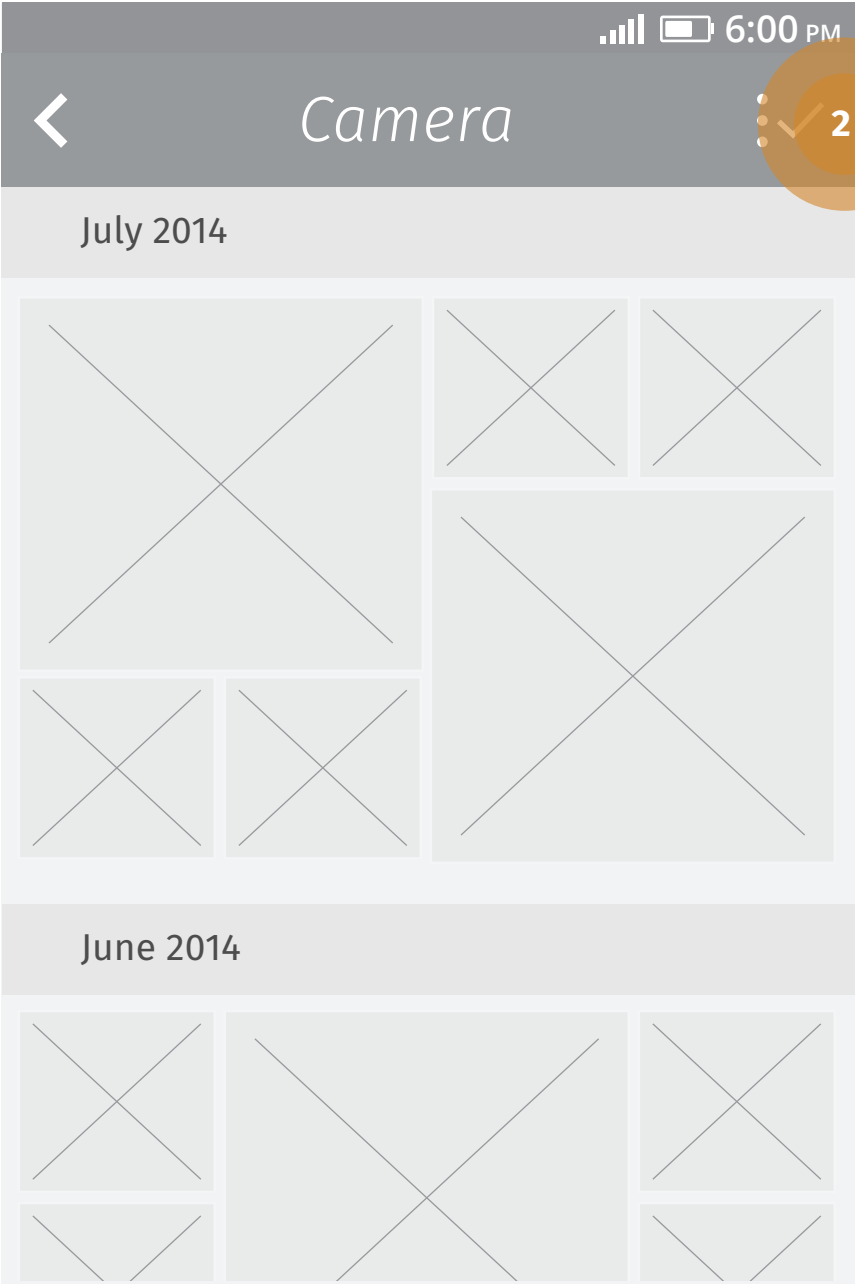


Image has been removed from Favourites and the view is updated.

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

Multi-Add to User-Defined Album - Flow

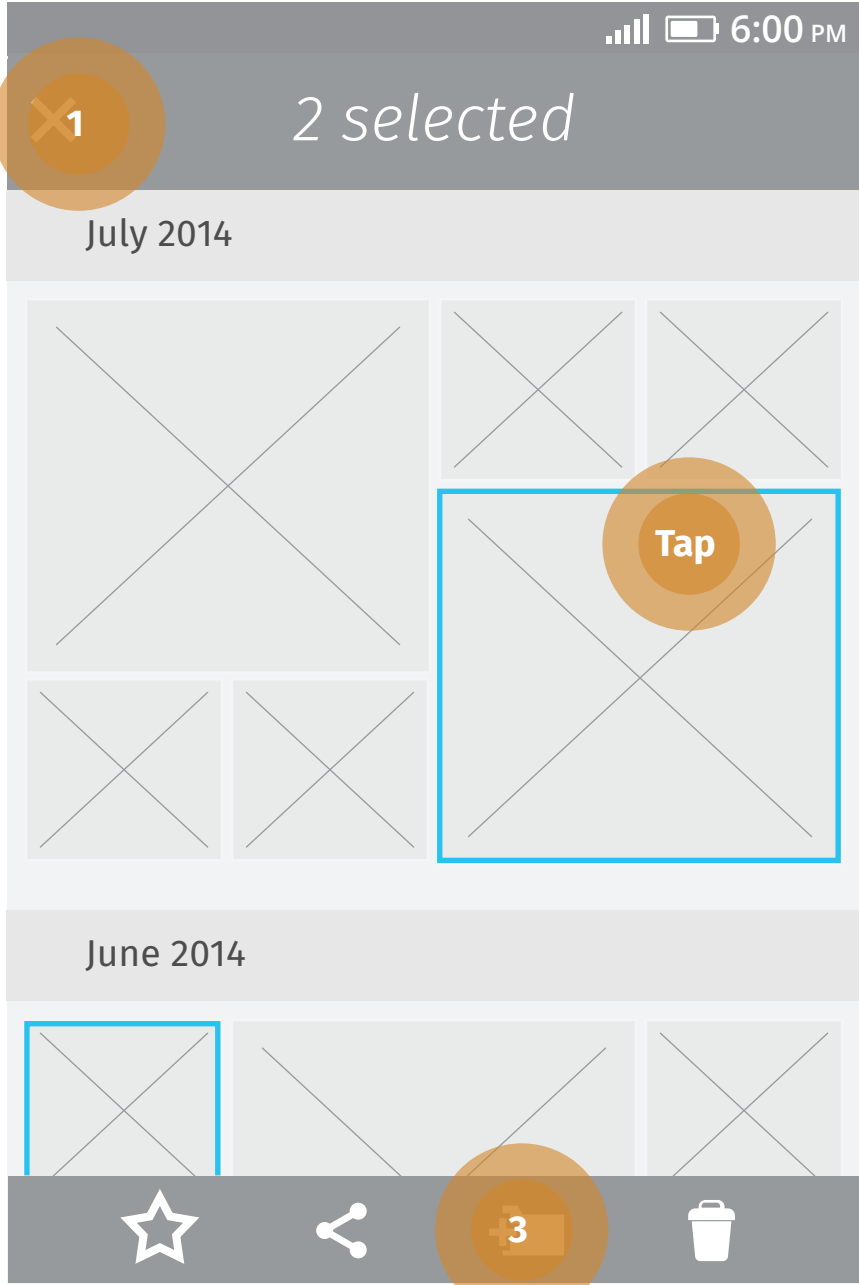
1. Camera Sub-View



This applies all Sub Views

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

2. Multi-Select



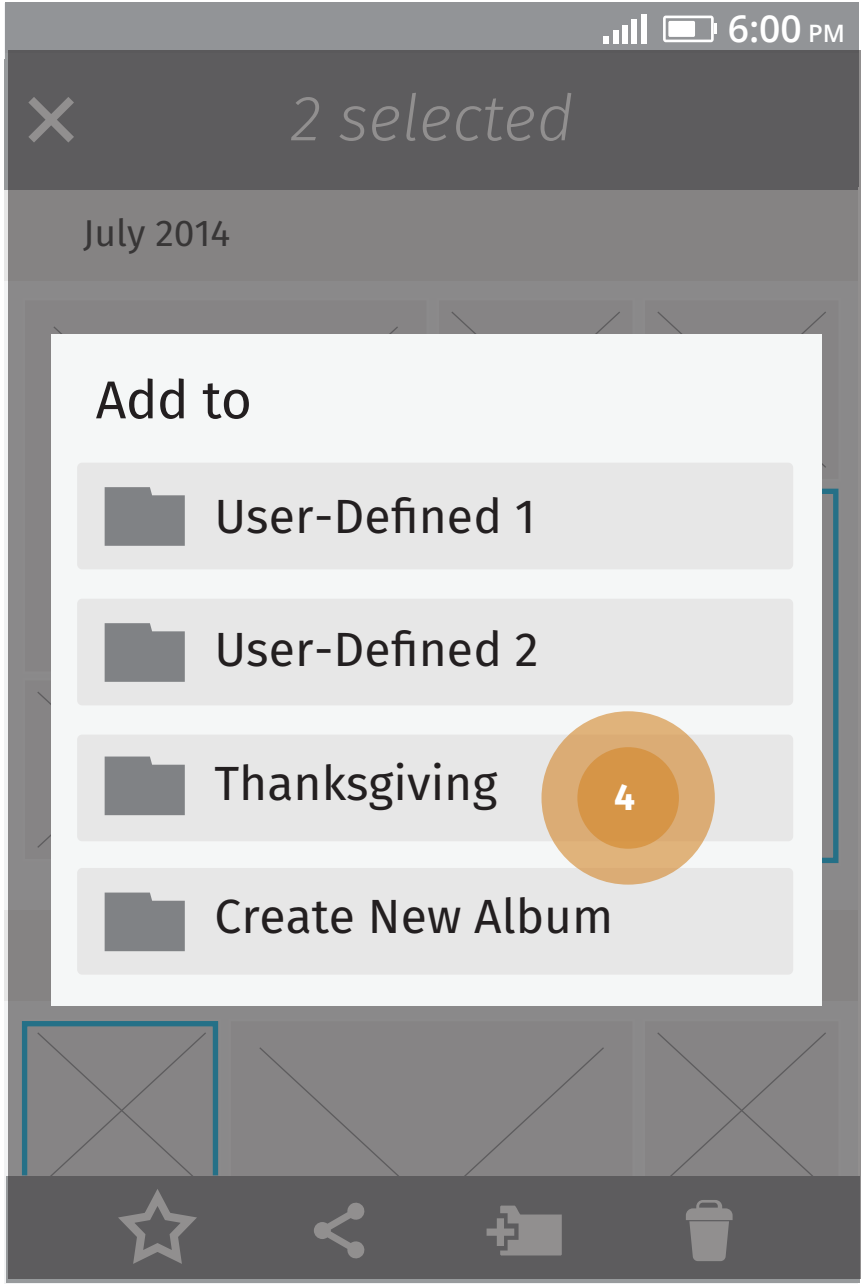
Tapping on items selects/deselects.

Tapping cancel exits with no further action taken.

Tapping Add to Album icon open Album Action List choices

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

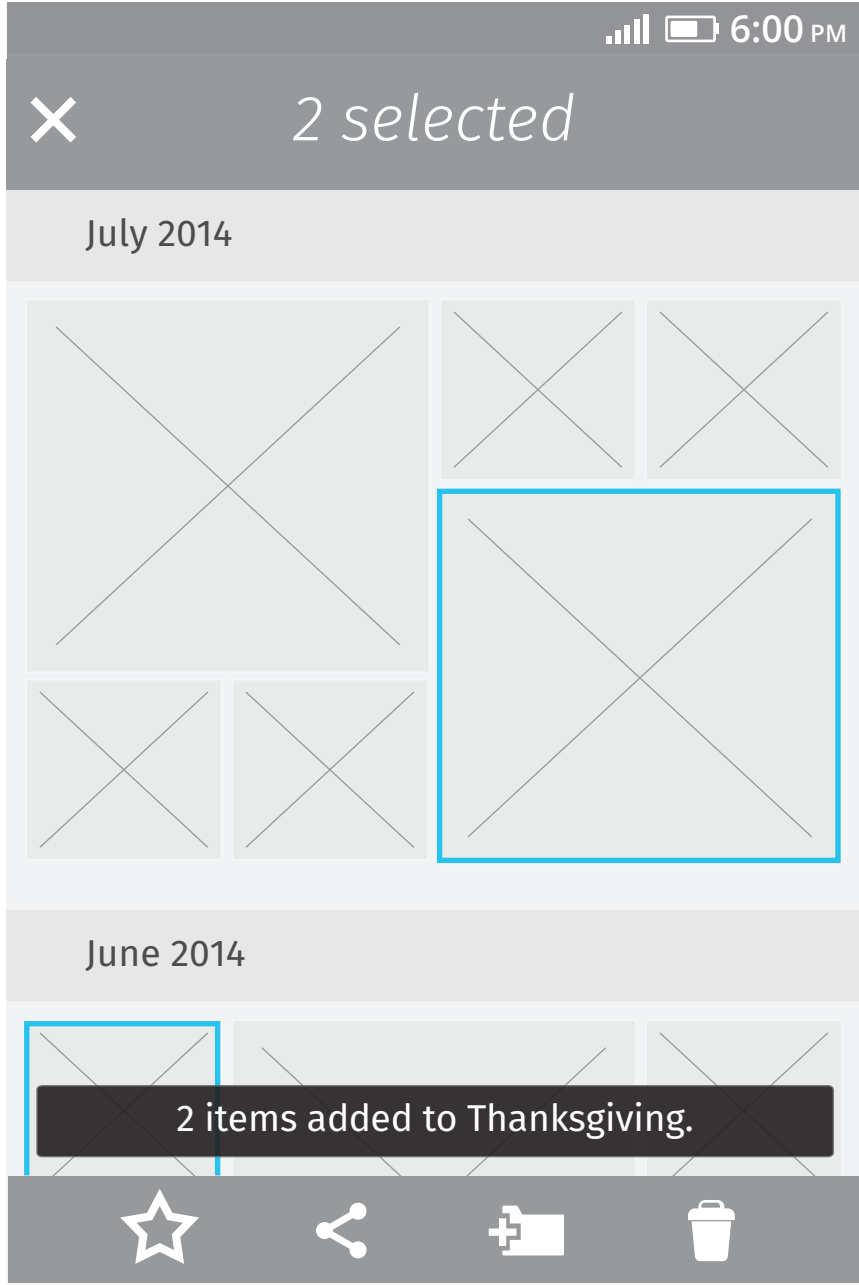
3. Add to Album - Action List



Tapping on a specific Album, adds copies of the items to the user-defined album and closes the menu returning the user to the previous view in multi-select mode.

Tapping outside of the “Add to” options menu cancels out of the activity.

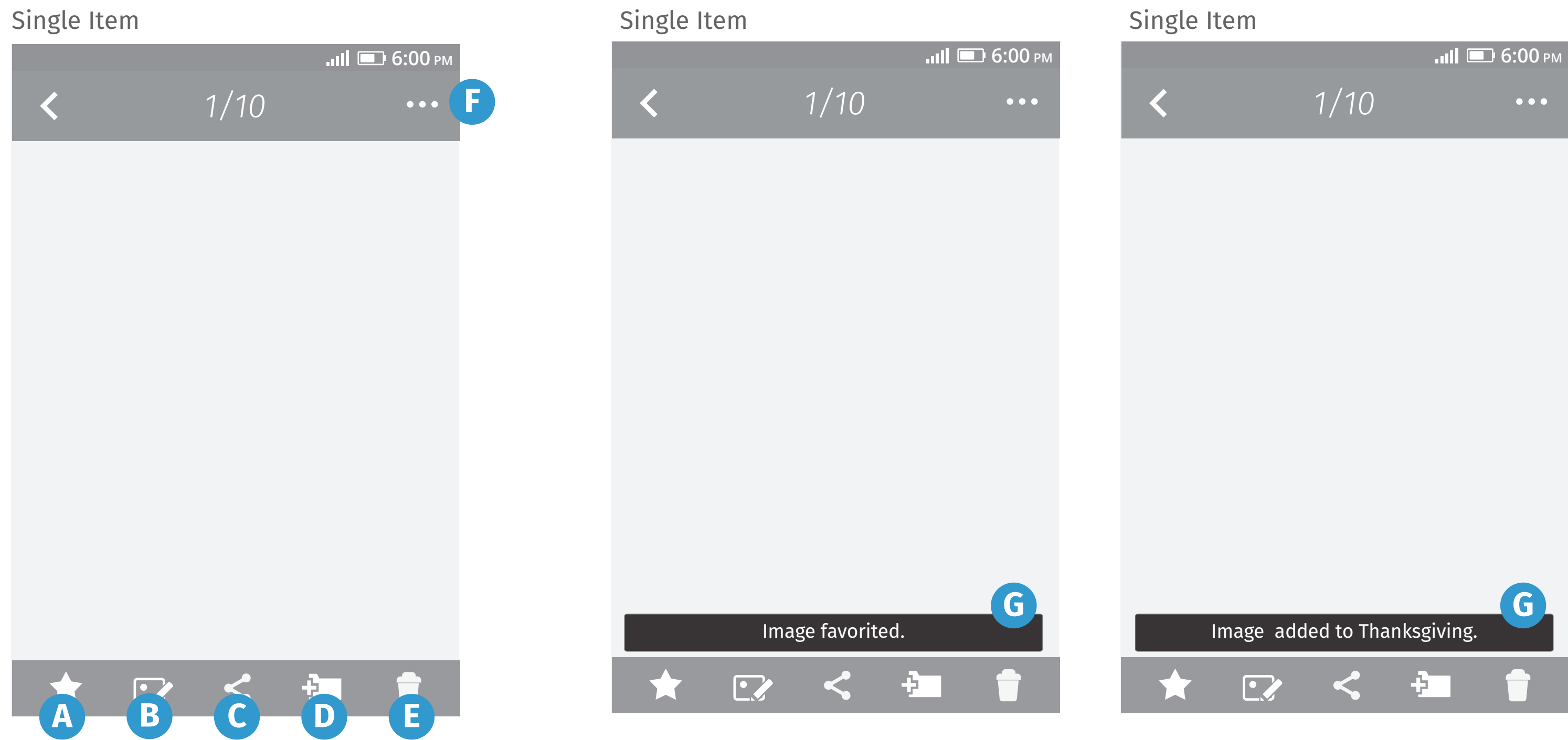
4. Multi-Select Confirmation



Confirmation banner of added items. Stays for 2 seconds then fades

Remains in multi-select mode, with selections still highlighted.

Single Image/Video - Details



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

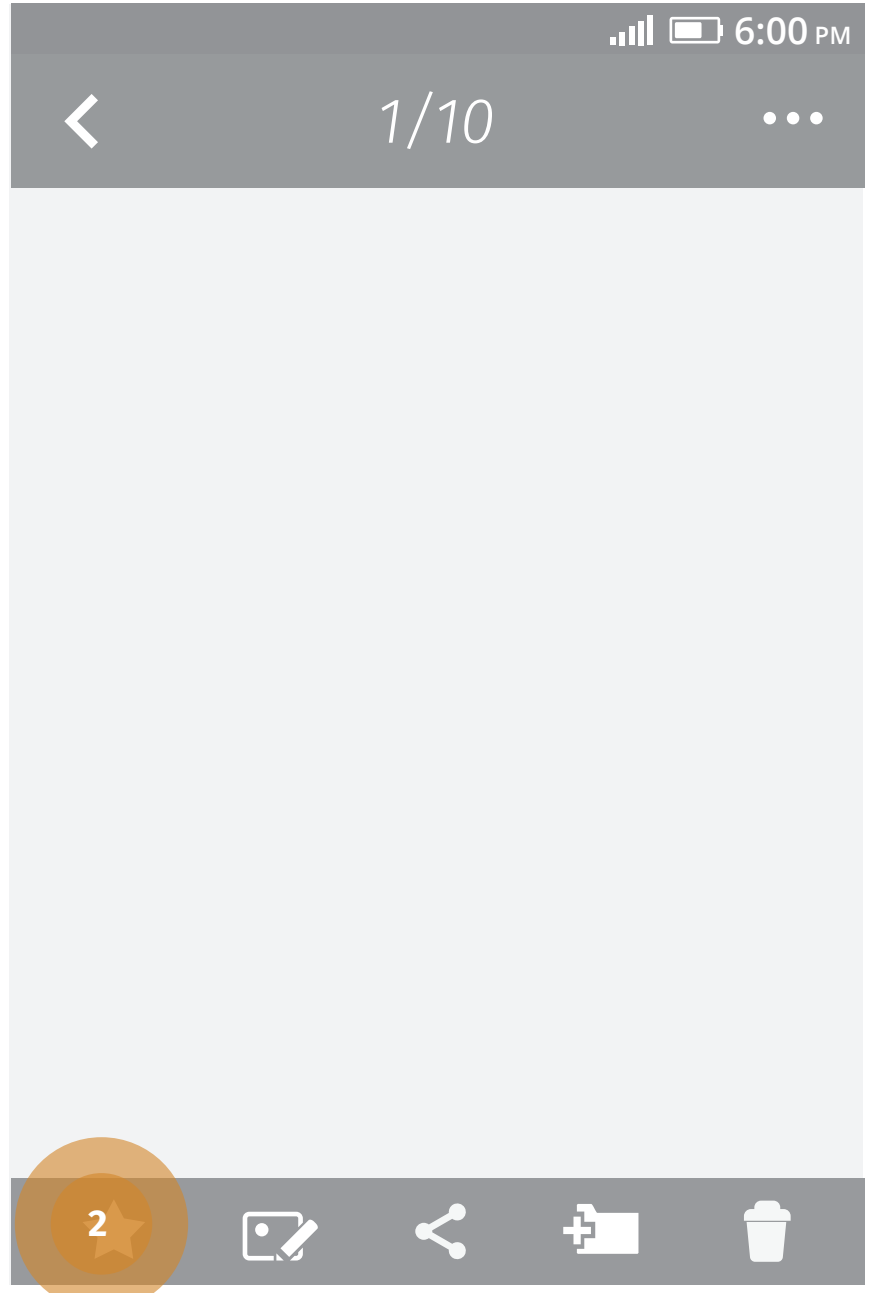
Notes

- A Favourite/UnFavourite**
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 2.2 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 Add to Album**
New functionality - allows user to add image or video to user-defined album.
- E Delete**
Functionality behaves as previous releases - first present a confirmation before finishing the action.
- F More Options : Overflow Menu**
View info and Open Camera activities are made available in the overflow options menu
- G Banner**
After favouriting or unfavouriting an item, show a confirmation banner.

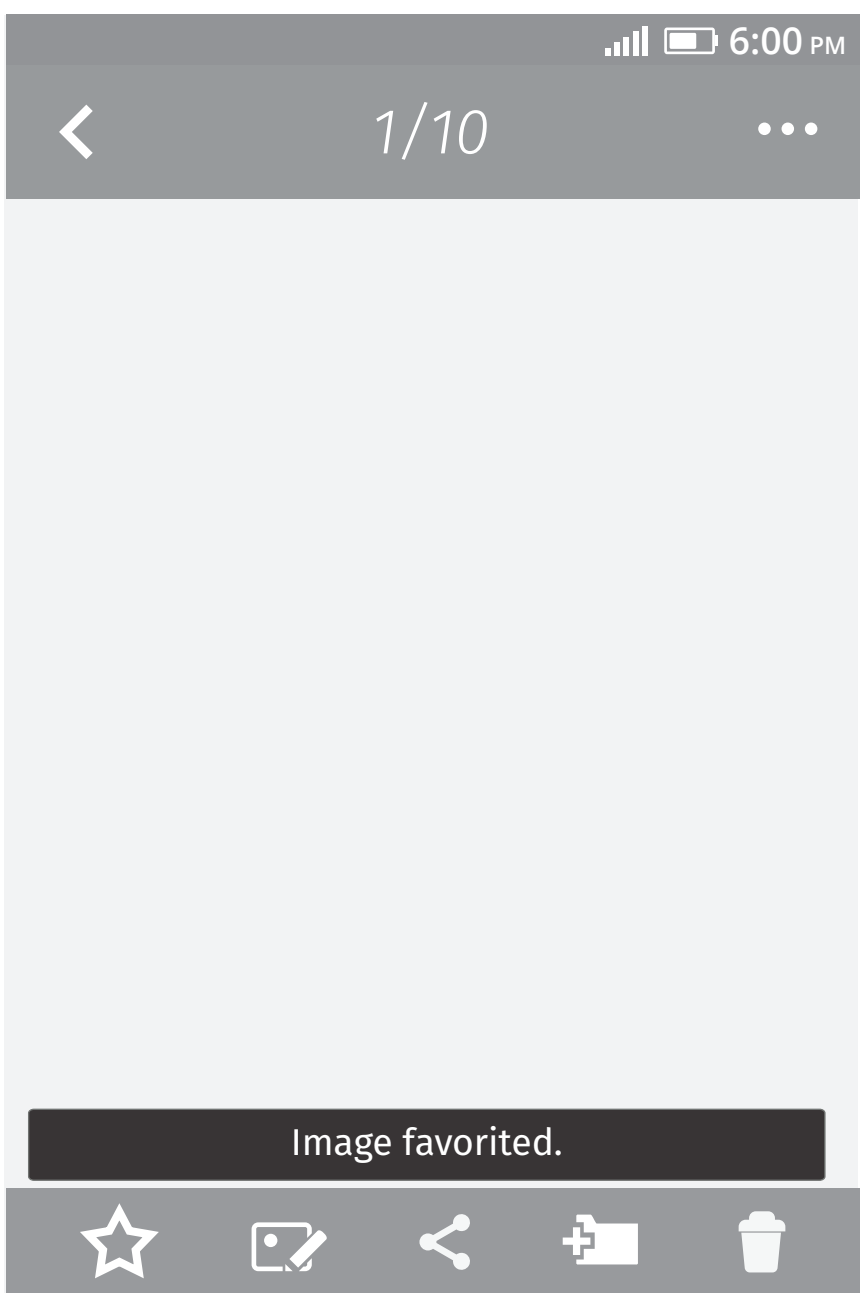
Single Image Favourite & UnFavourite - Flow

1. Single Item - UnFavourited (default)



Tapping Favourite icon “Favourites” the images and adds the image to the Favourites stream

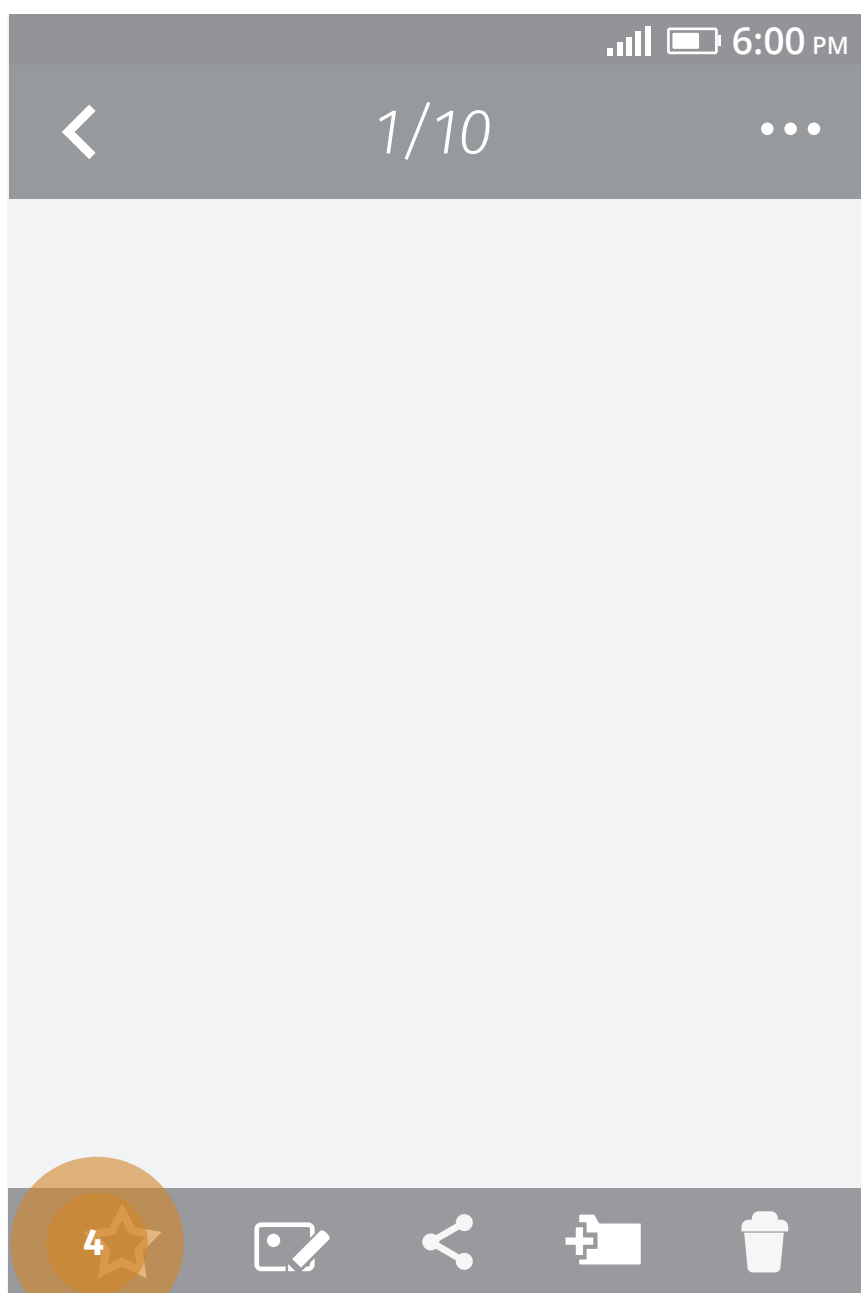
2. Favourited Image - Confirmation



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

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

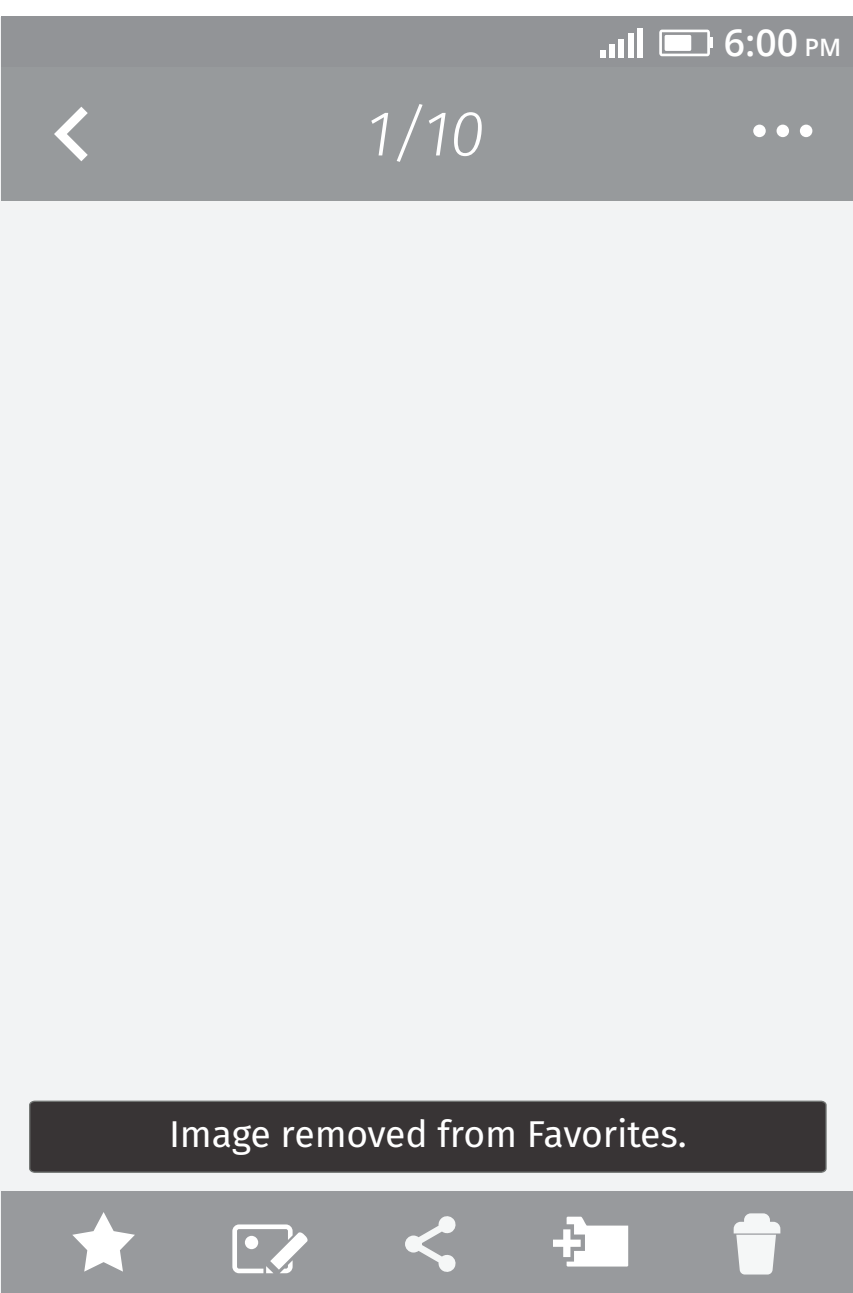
3. Favourited Image



Tapping unFavourite icon “unFavourites” the item and removes it from the Favourites stream.

Icon in toolbar changes to “Favourite” state

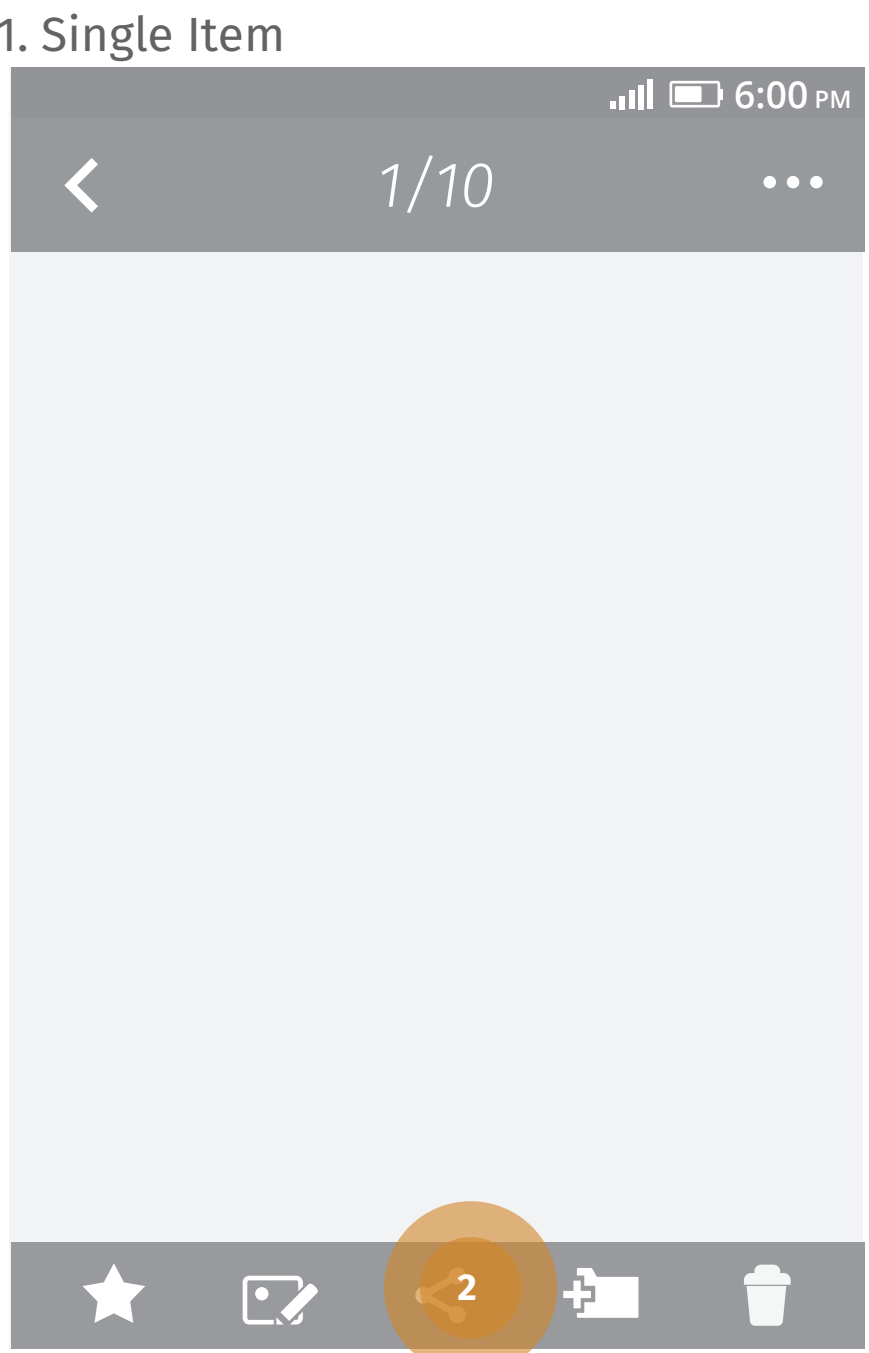
4. UnFavourited Image - Confirmation



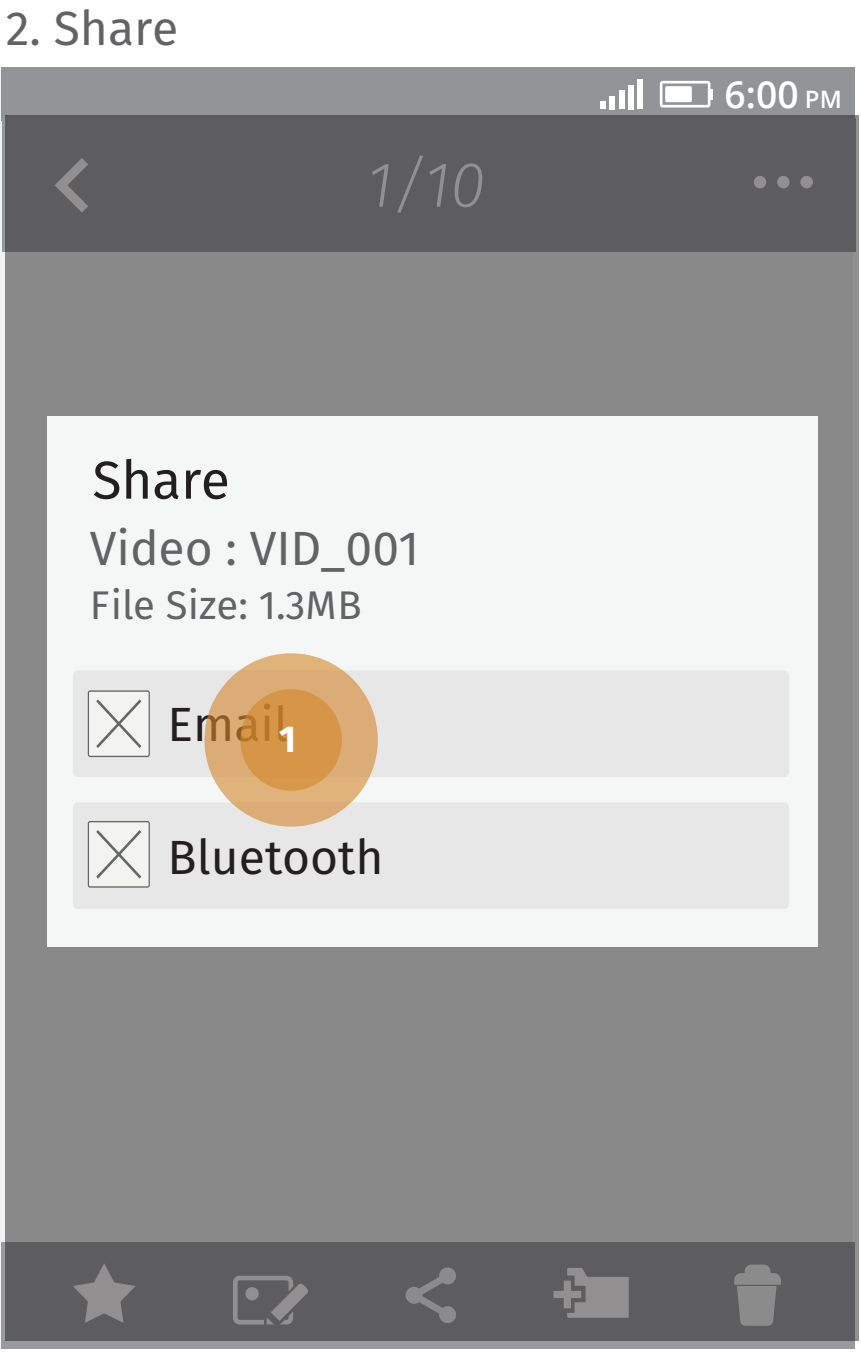
Selected item is unFavourited. A confirmation banner is shown. Banner fades away in 2 seconds,.

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

Single Image Share - Flow



Tapping share presents an action menu with possibilities.



Show Image/Video filed size.

Tapping an option goes into that specific share flow.

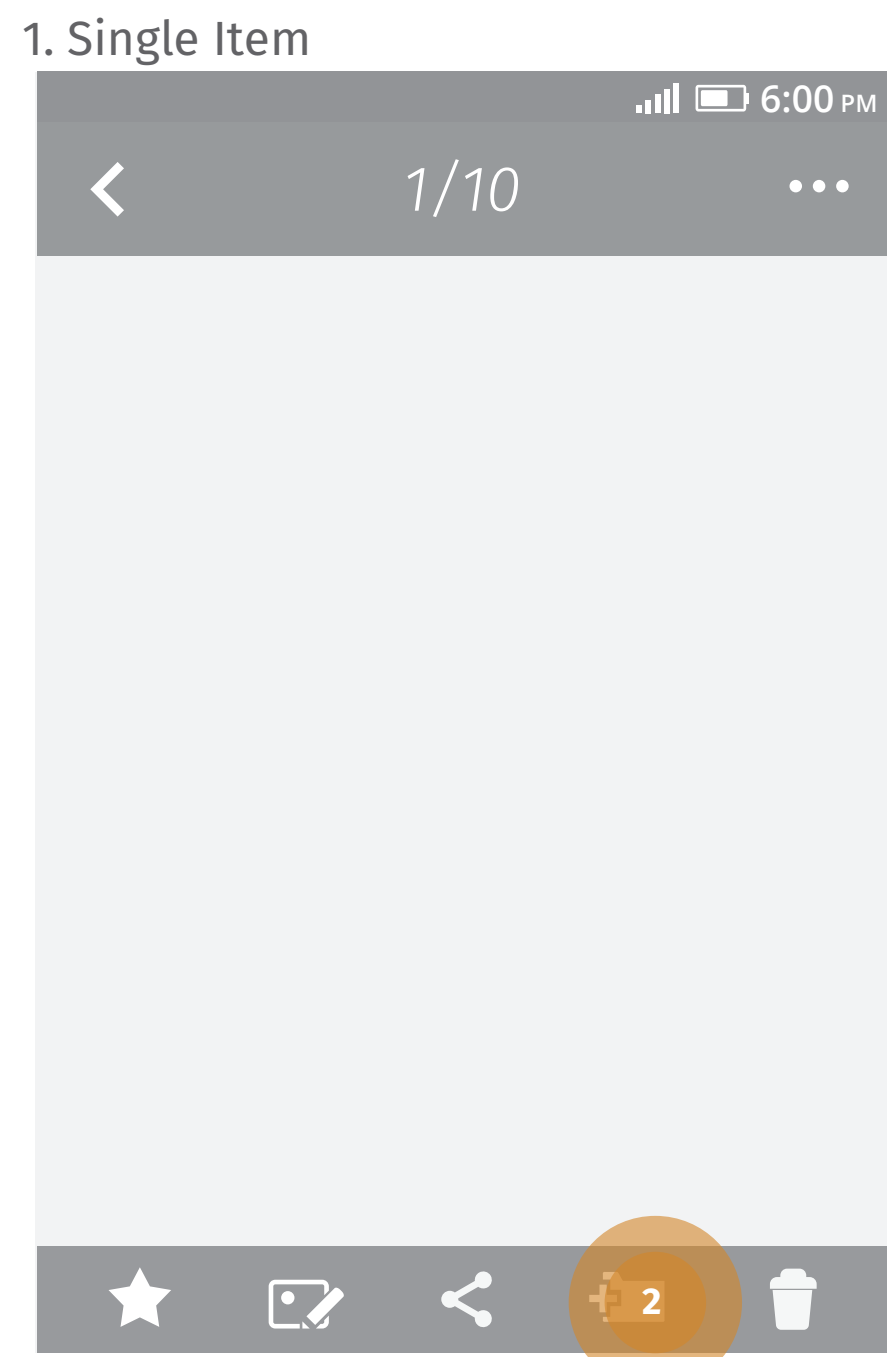
This UI is not app-controlled - options may differ depending what the user has installed.

SHARE FLOW

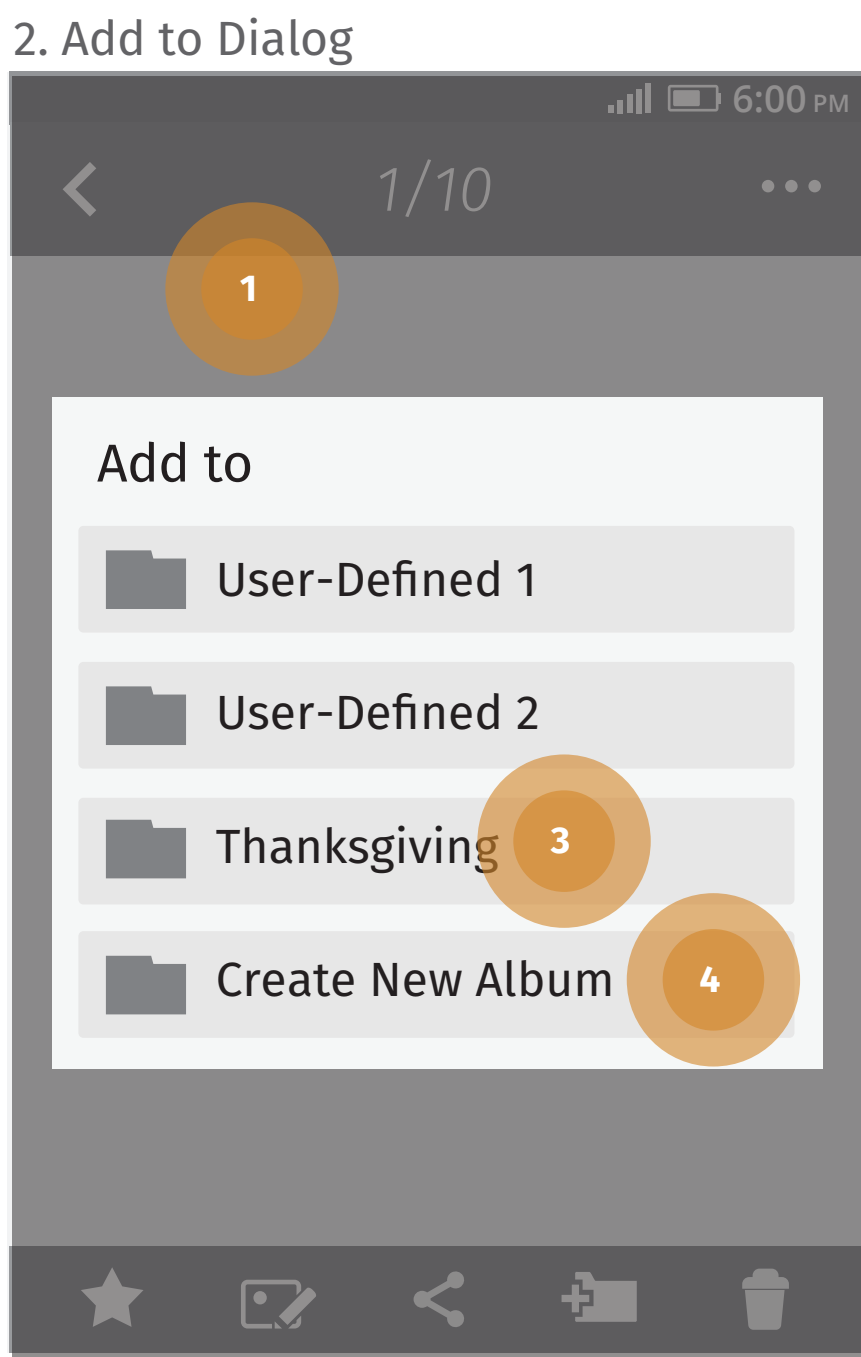


Use current UI/flows for sharing options.

Single Image Add to Album - Flow

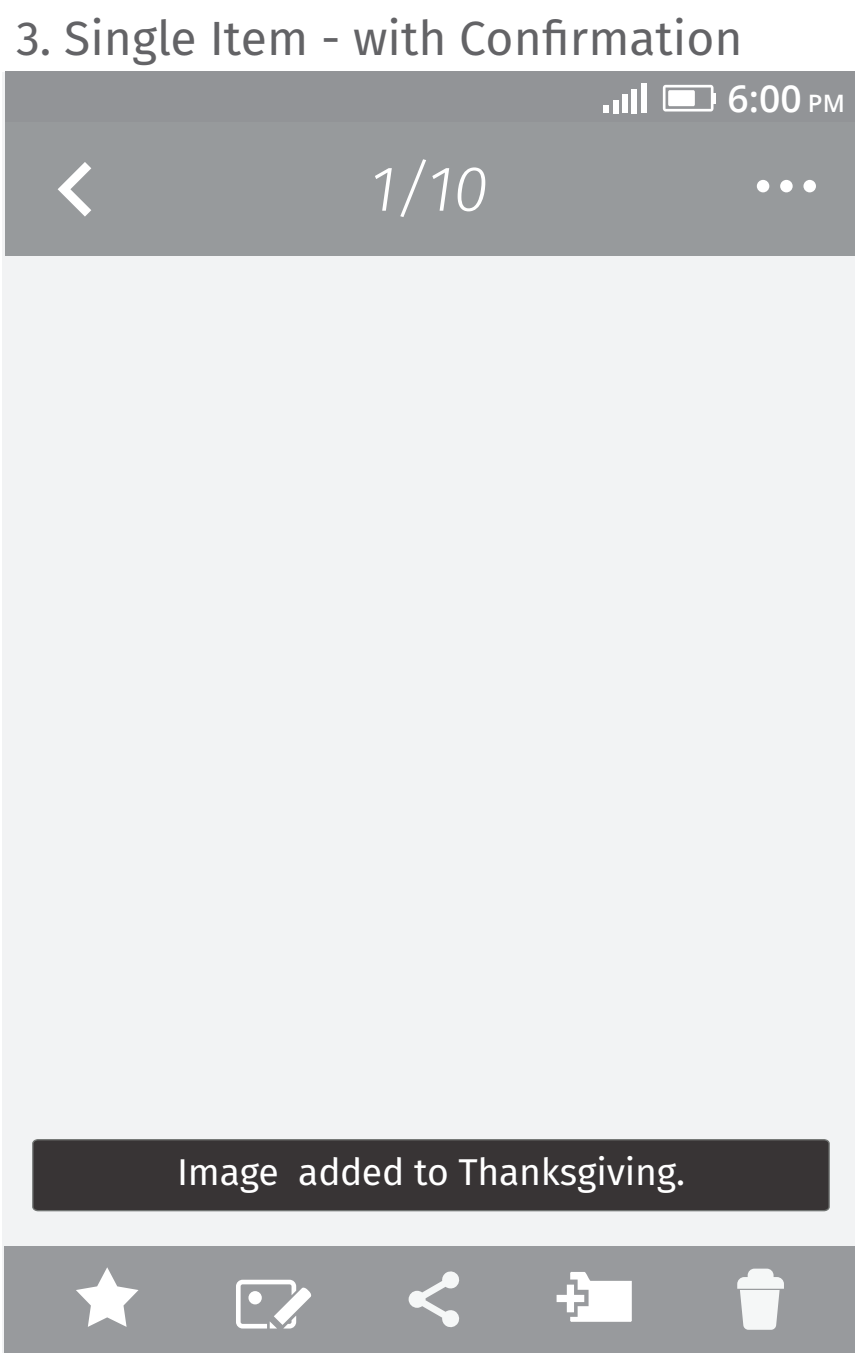


Tapping on Add To Album icon displays action menu with User Defined Albums listed by timestamp.

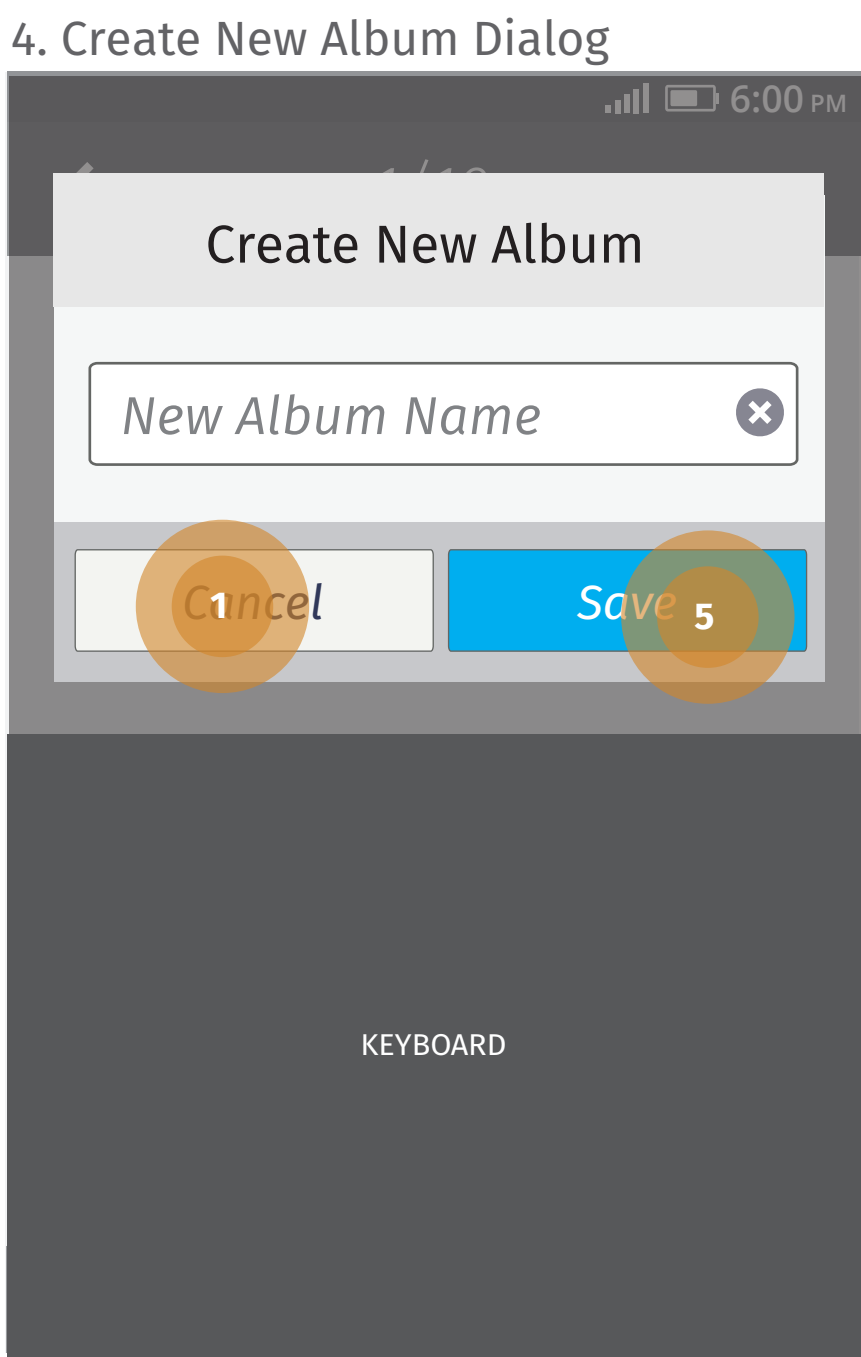


Tapping on <Thanksgiving> album closes dialog, displaying the original image and presents a confirmation the user.

Tapping anywhere outside the list cancels and returns to Single Image View



Confirmation banner fades away in 2 secs

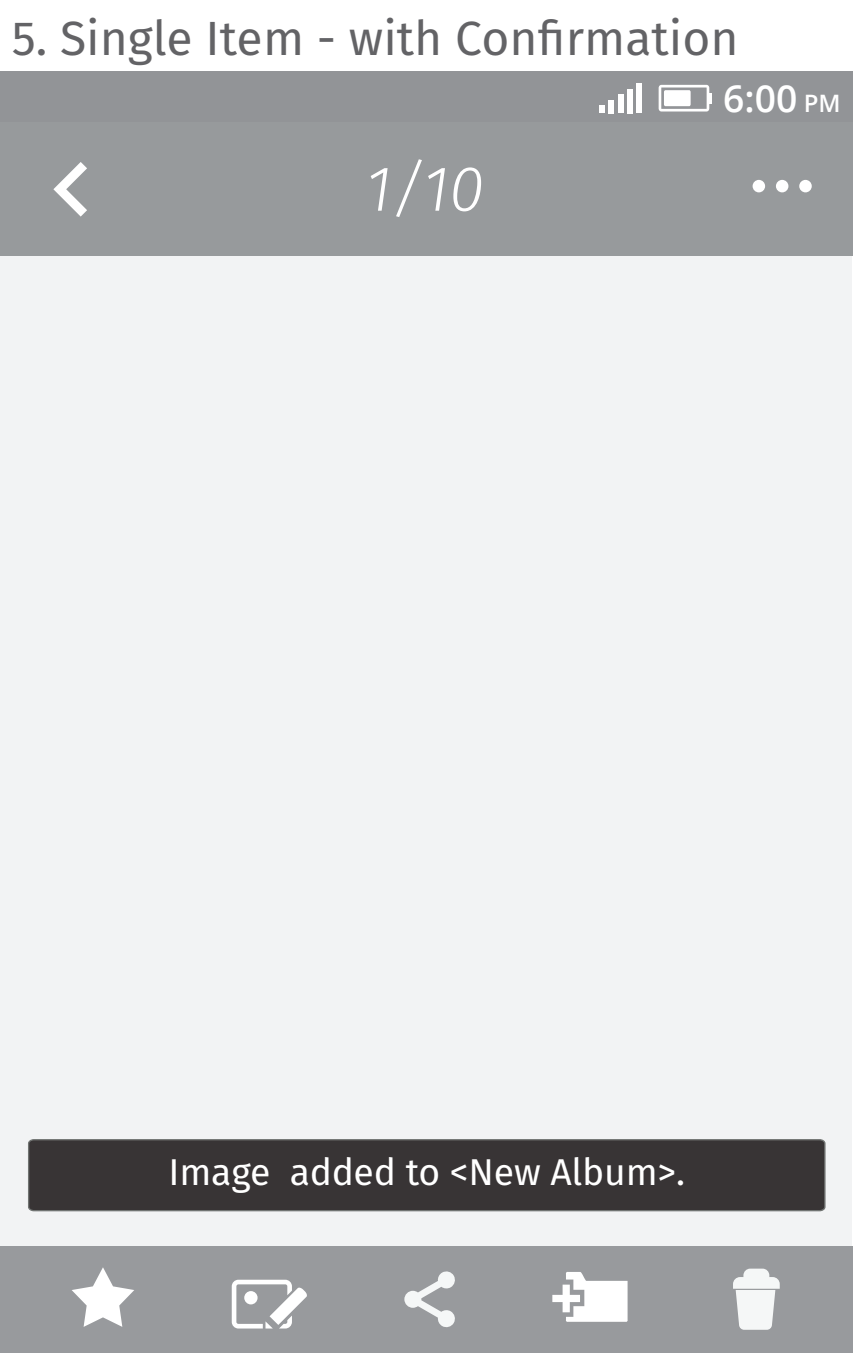


Open Create New Album input dialog with text field for <Album Name> and open keyboard.

Save is disabled until user has begun typing.

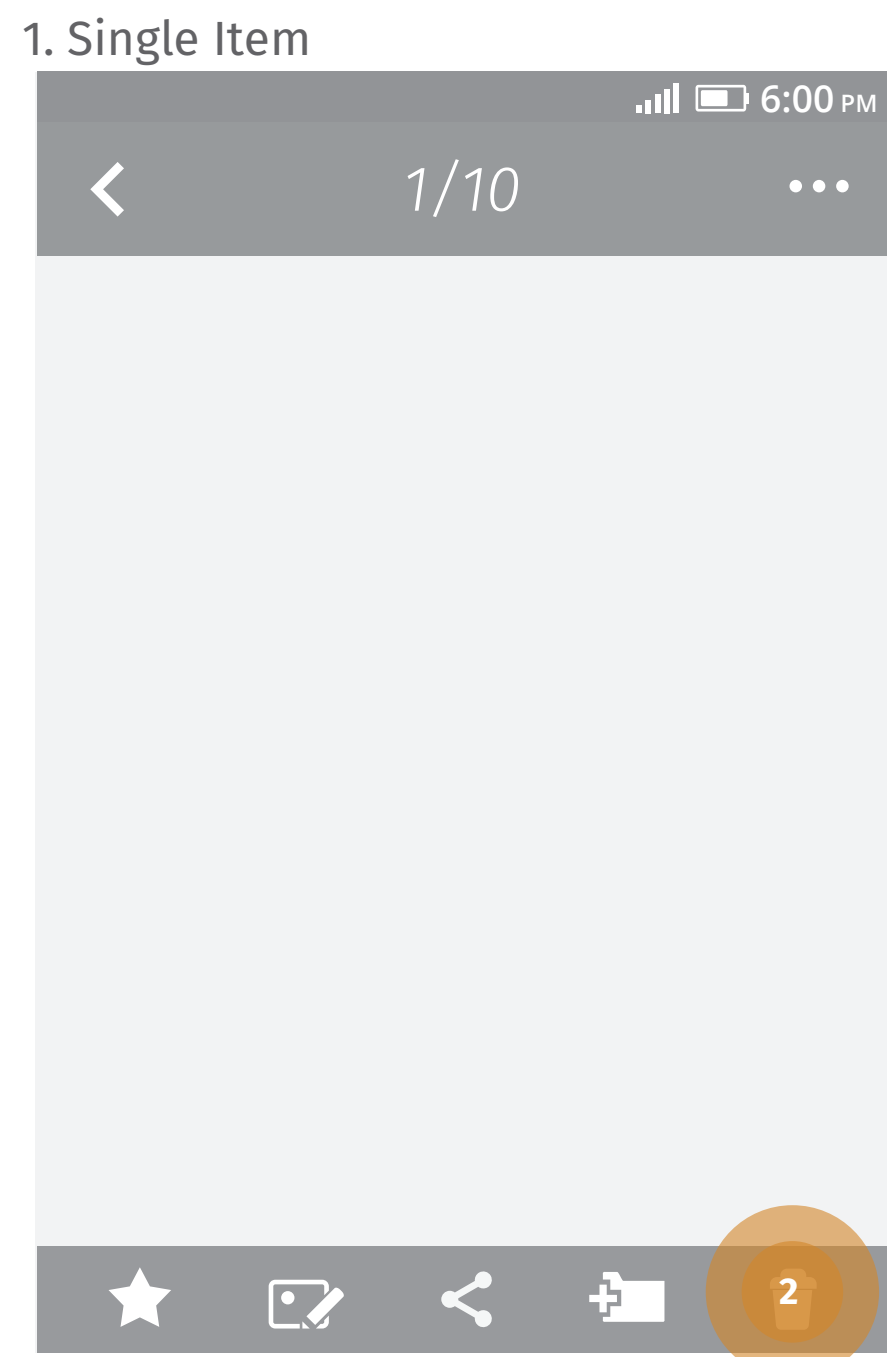
Cancel closes dialog and returns user to Single Image View with no changes made

Saving new album closes dialog, displaying the original image and presents a confirmation the user.

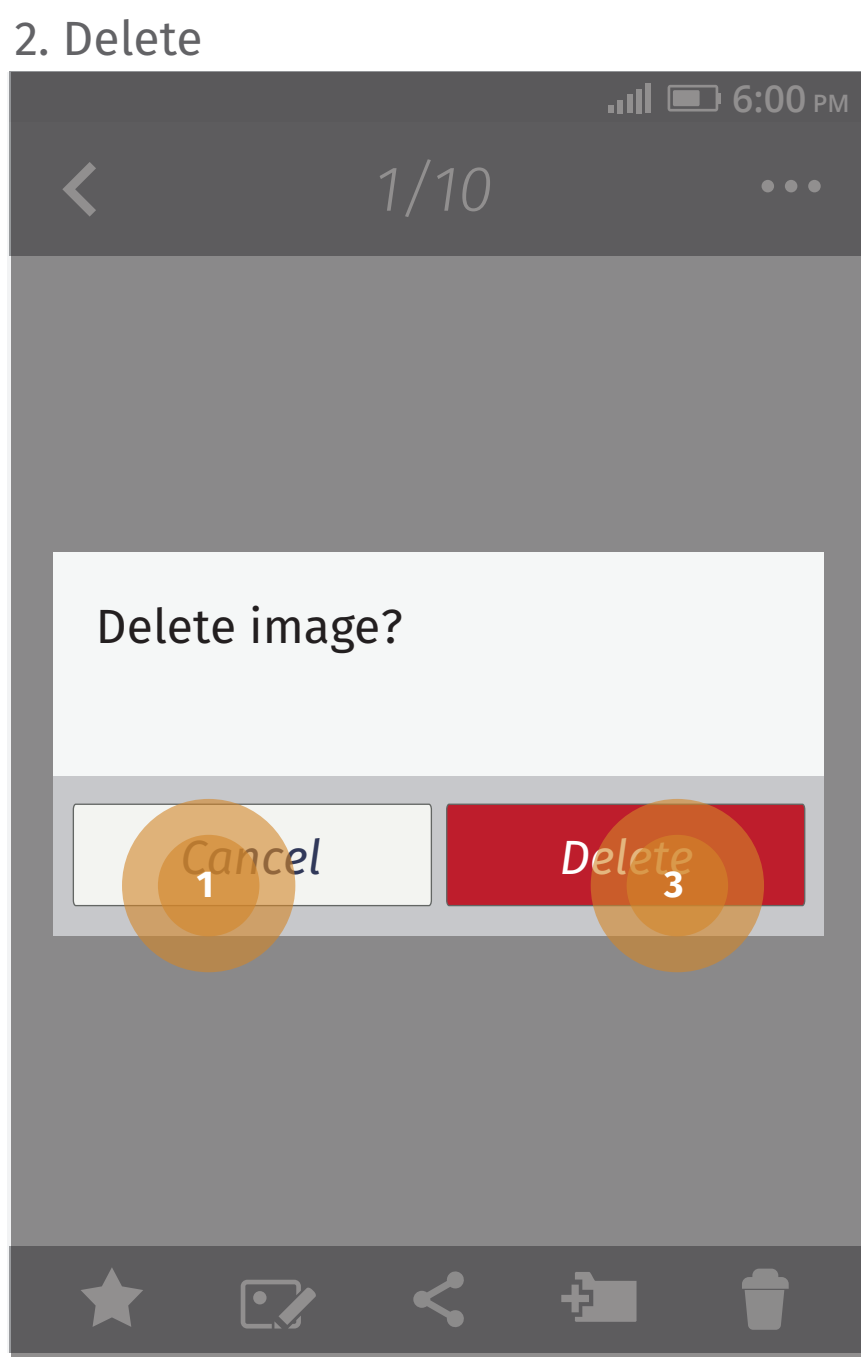


Confirmation banner fades away in 2 secs

Single Image Delete - Flow

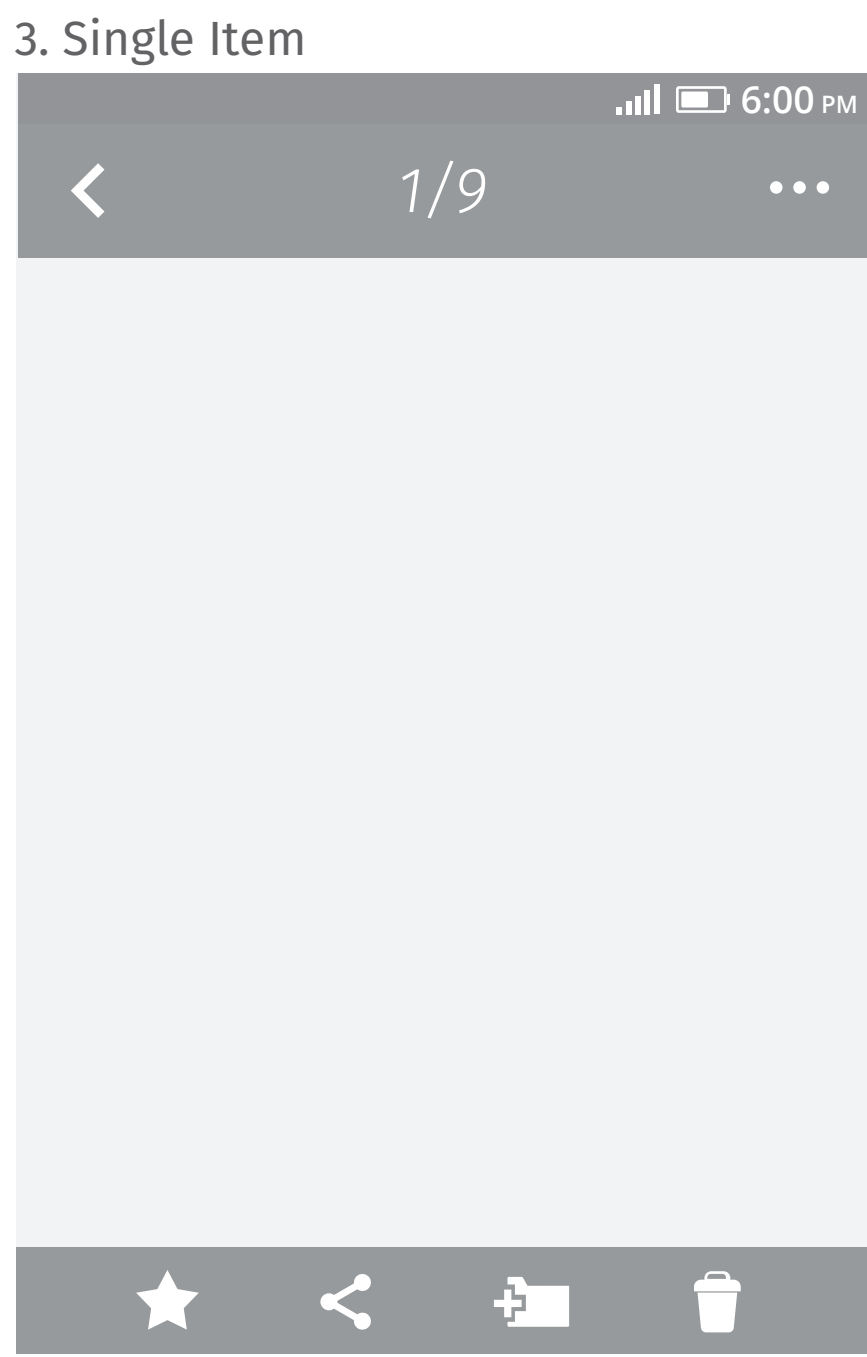


Tapping delete presents a confirmation.

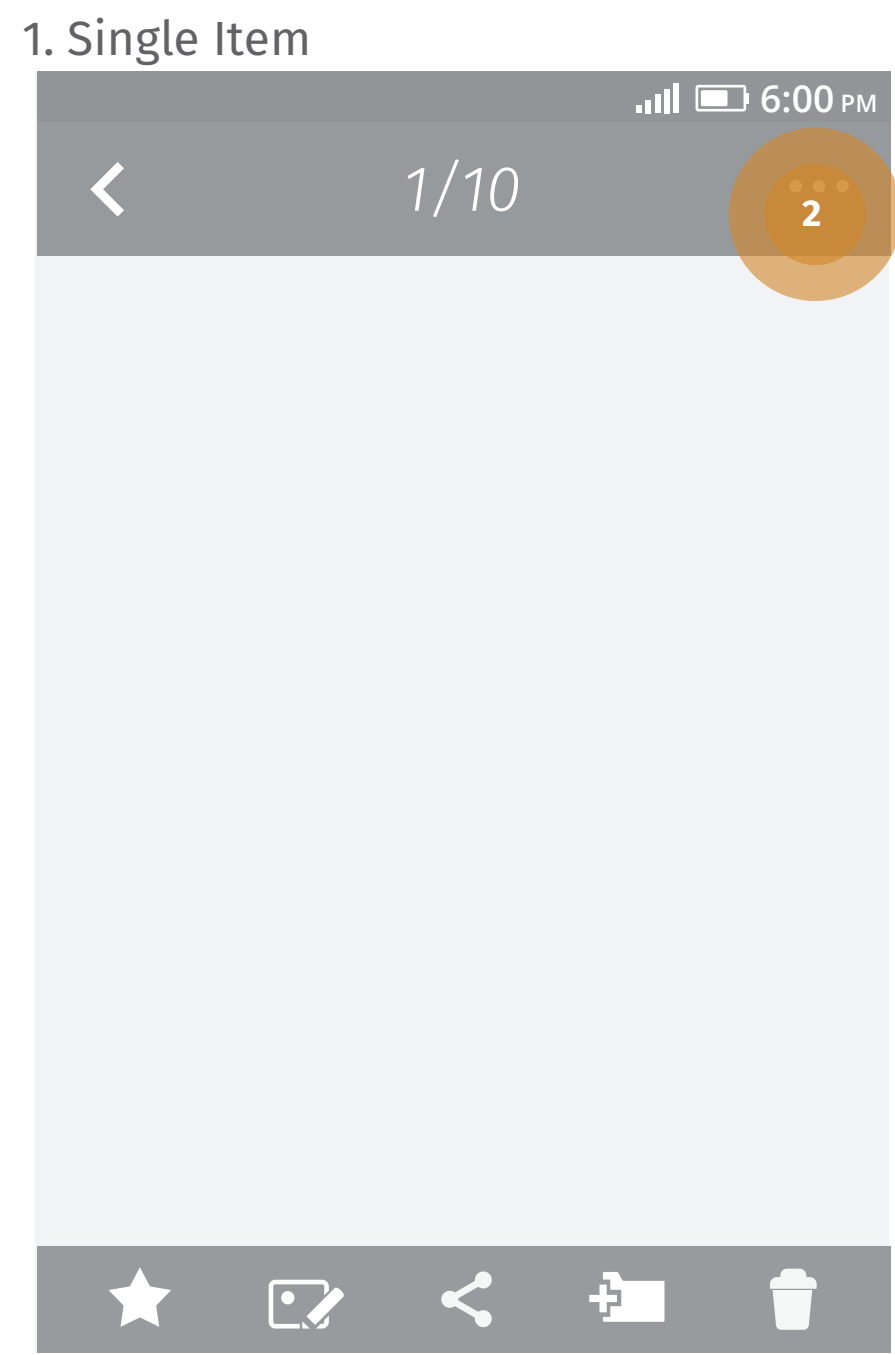


Tapping cancel exits to Single Item View with no further action taken.

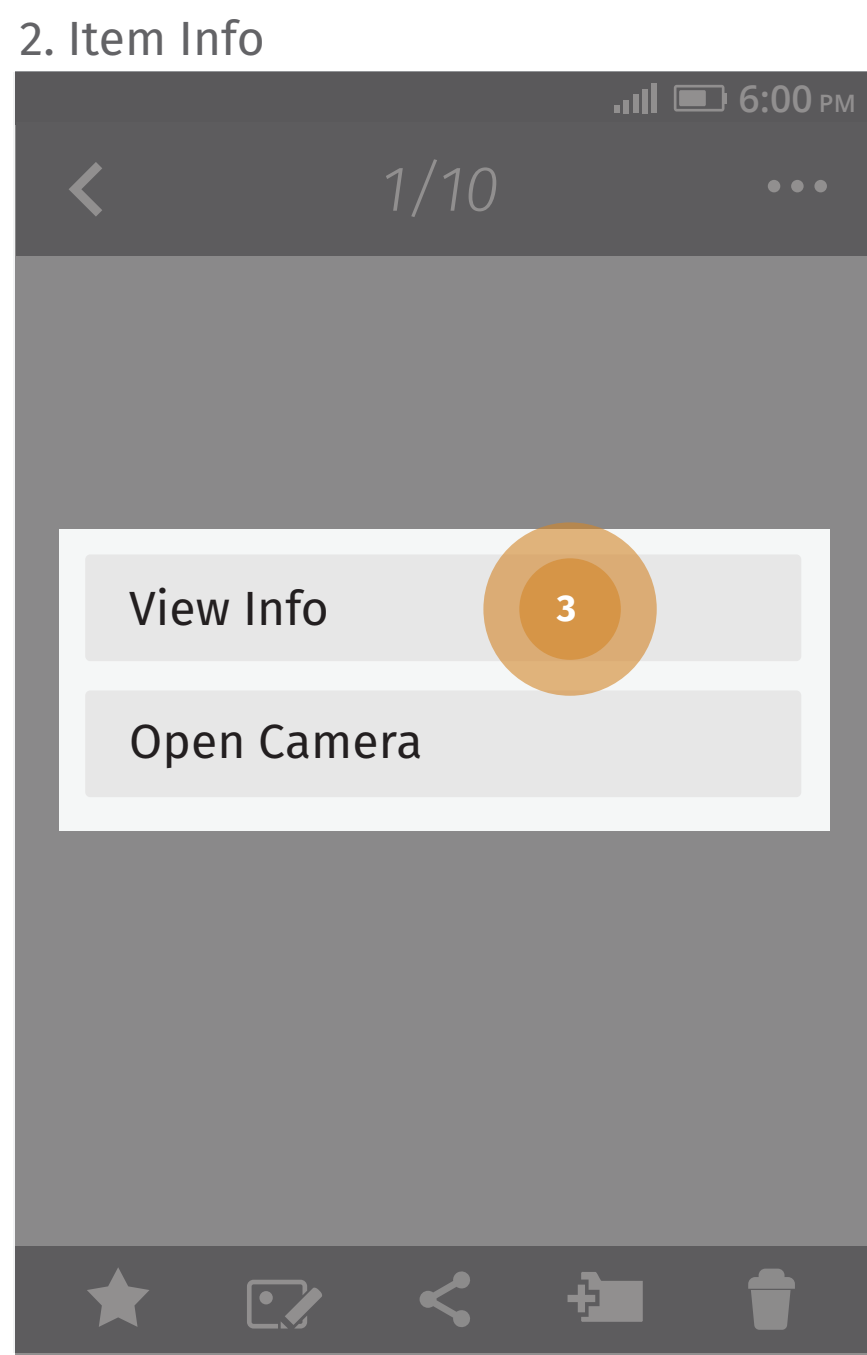
Tapping delete, deletes the item and shows the previous image in the stream.



Single Image - More Options: Image Info - Flow



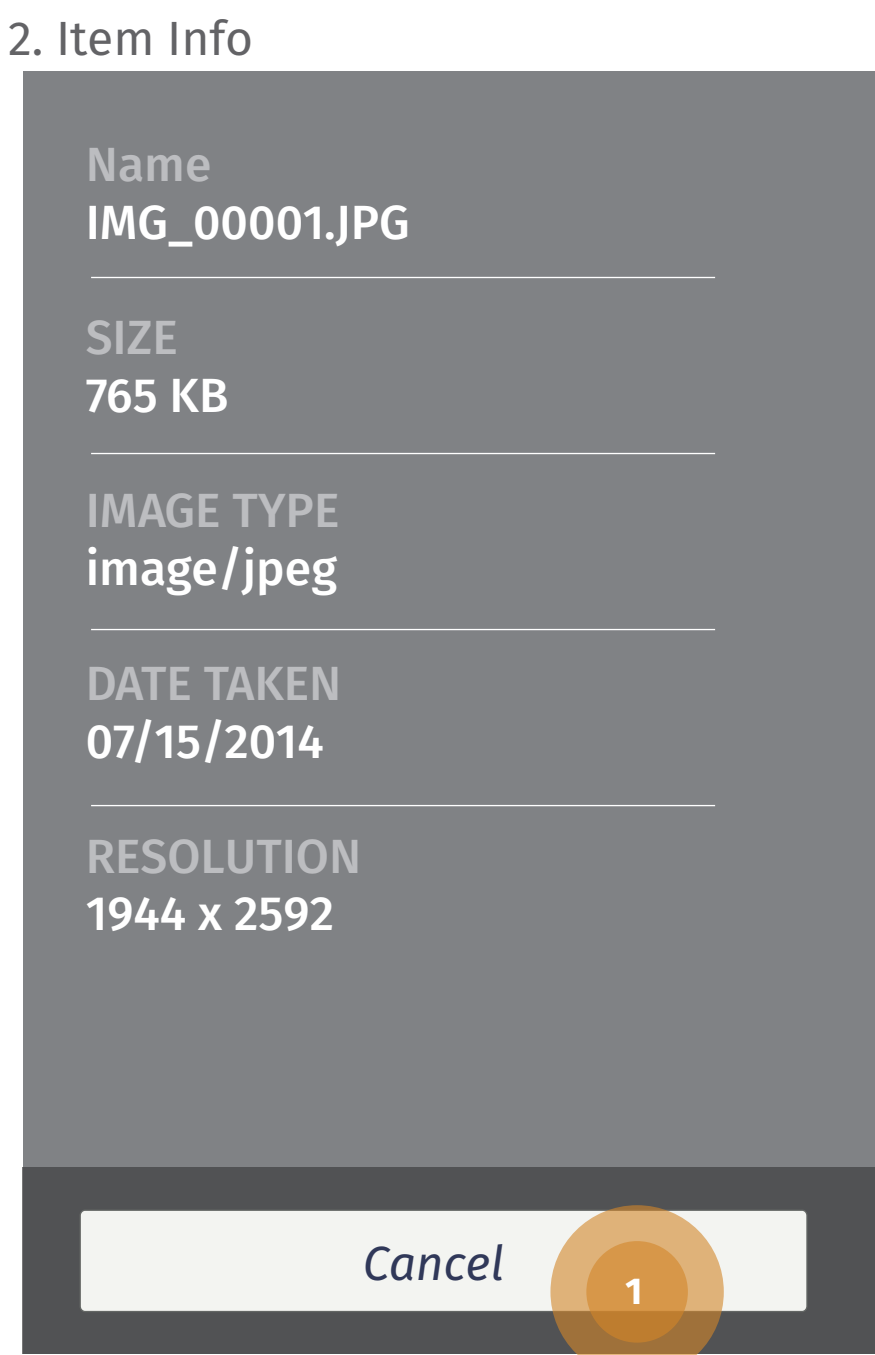
Tapping on more options (overflow) icon displays action menu



Tapping on info icon displays Information about single item

.....

Considerations For future release:
Add Notes feature can live in the action menu



Tapping cancel exits and returns to Single Image View

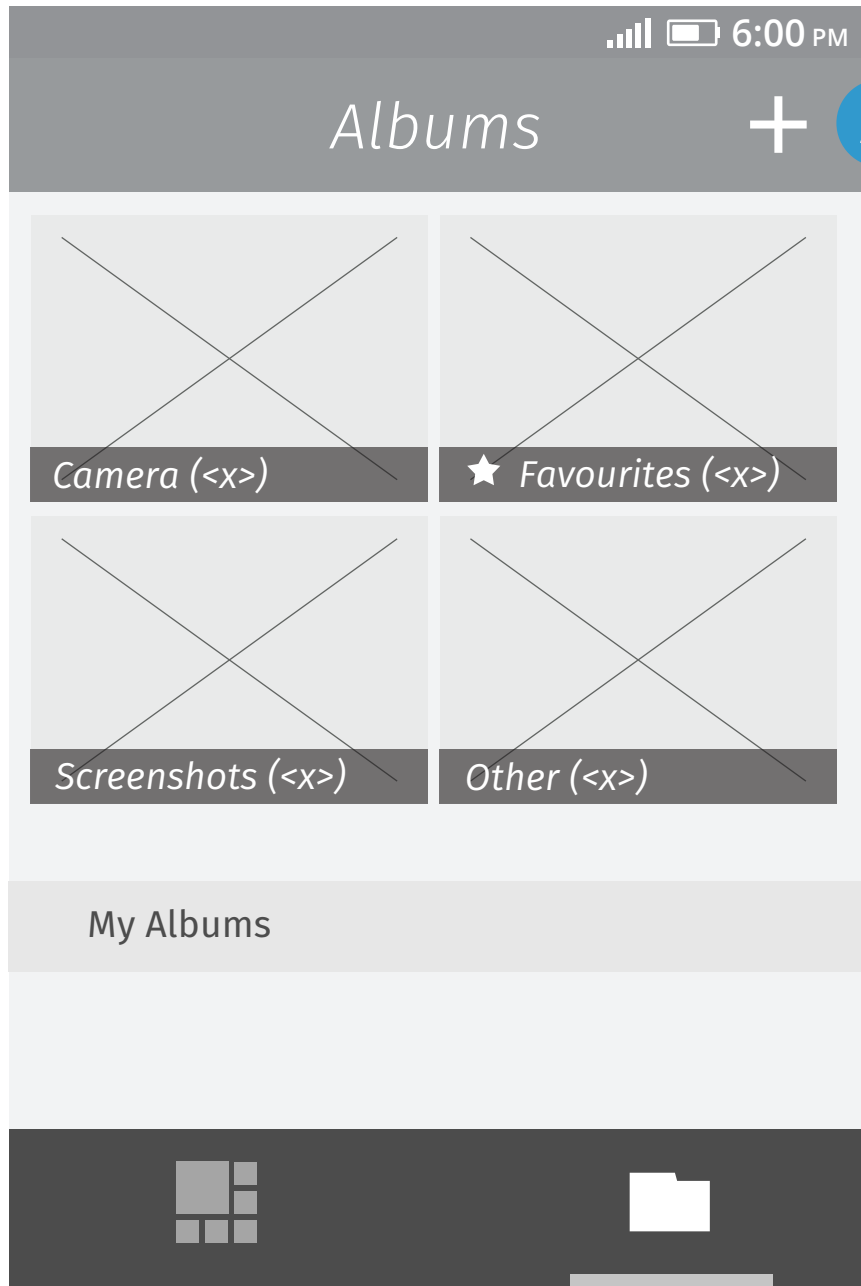
Same as previous release.

.....

Considerations For future release:
Add additional information (icon) if an image has been Favoured? What about hour/min specific timestamp and Geotagging?
Editing filename?
Changing image resolution?

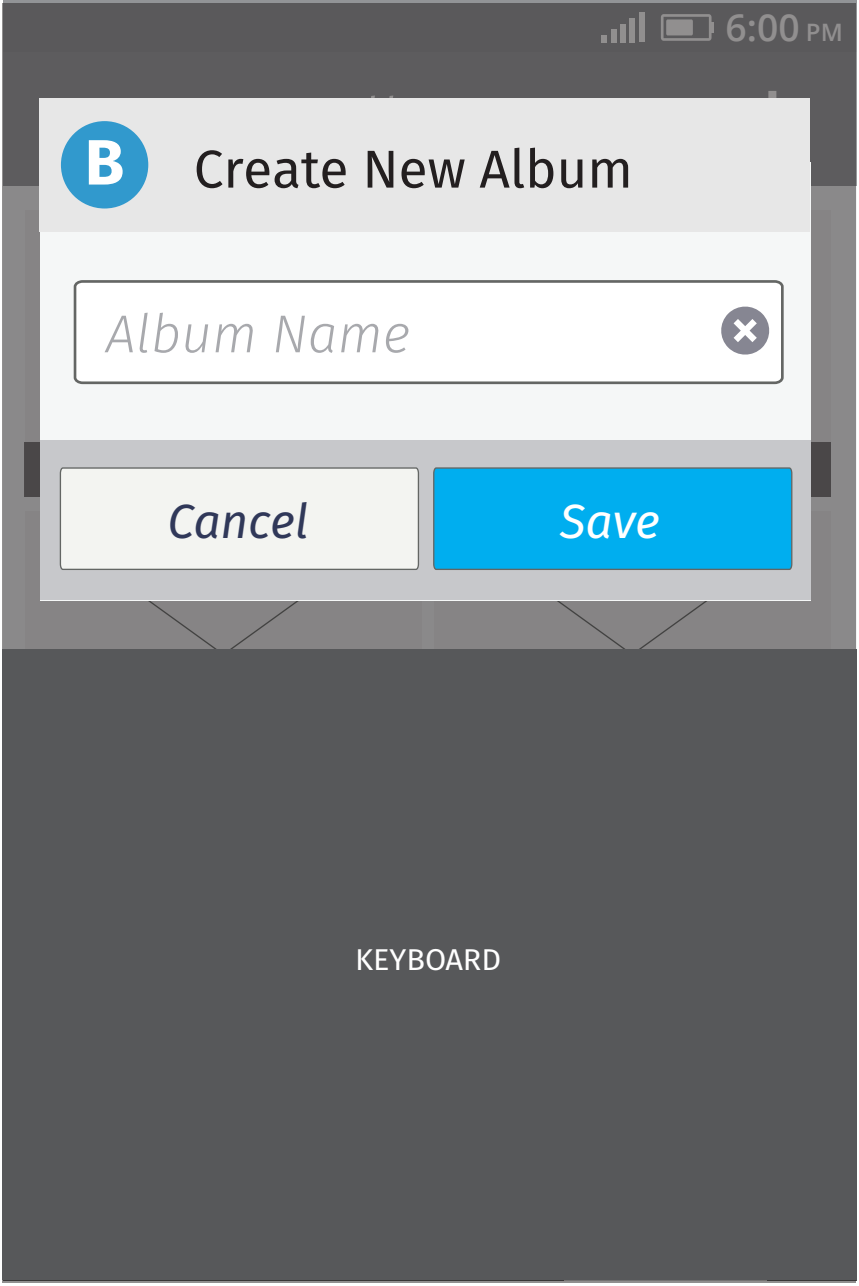
Albums - Details

1. Album View



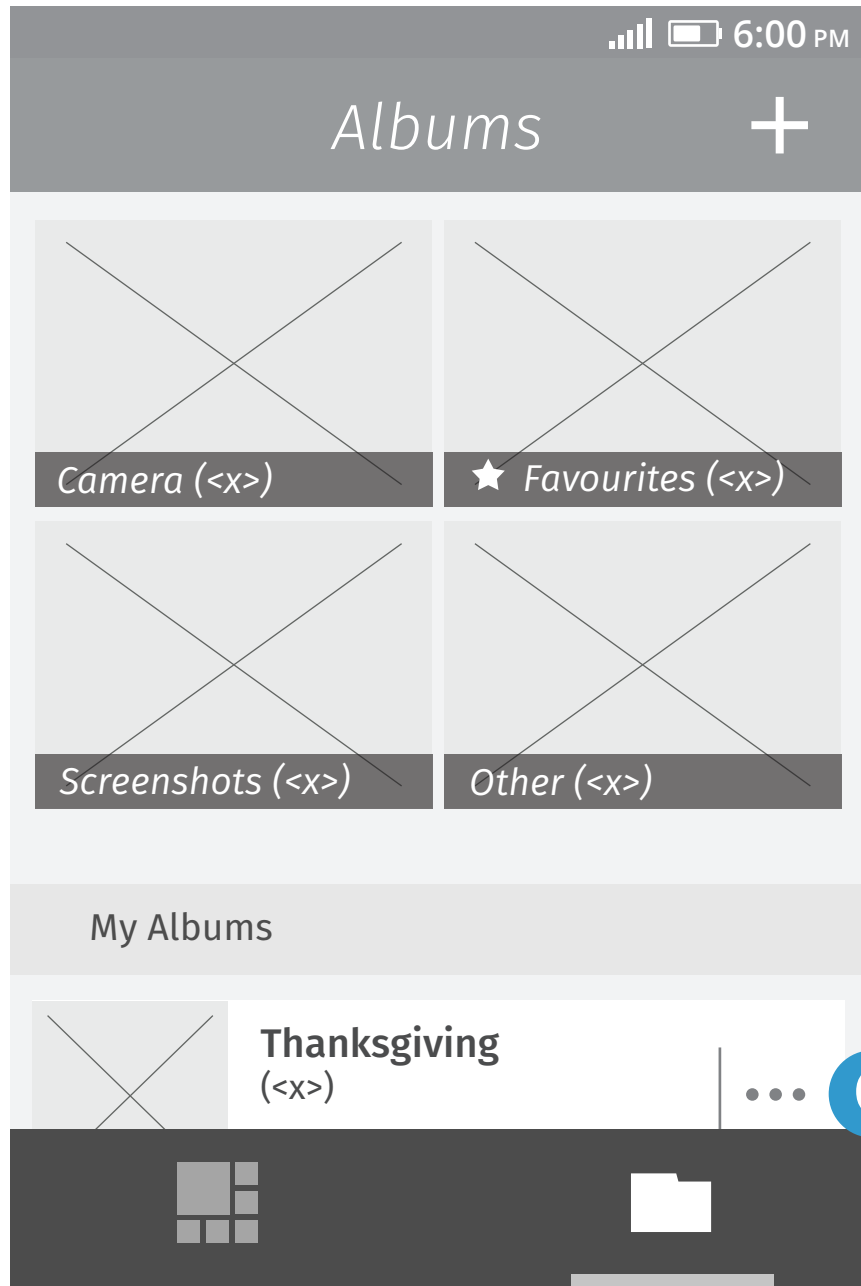
Allow user to create new album with a collection of user-selected images and videos

2. Create New Album - input dialog



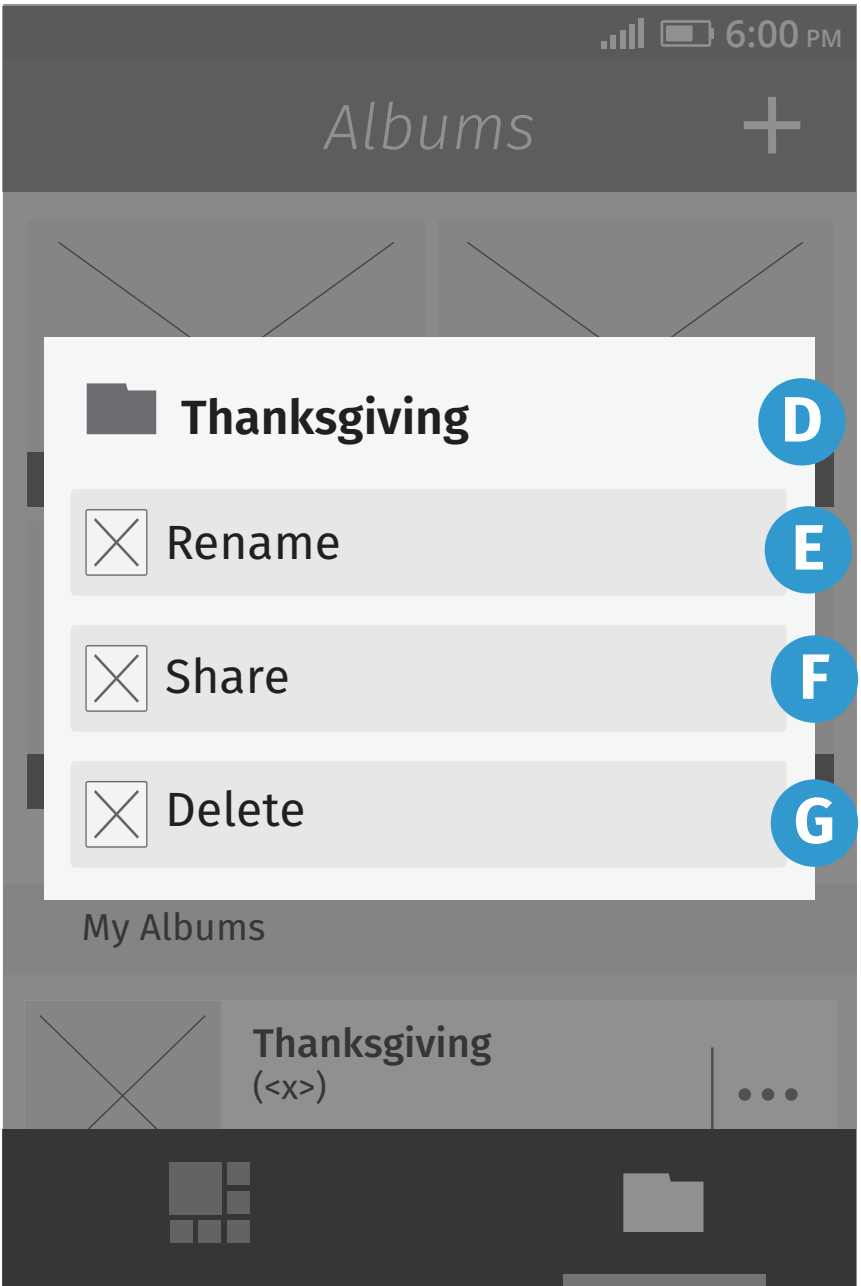
Create New Album activity allows user to create and name new album

3. Album View - New Album



New user-defined albums appear below the “My Album” subheader and are listed by date created, most recent at the top (like images and videos).

4. Album View - New Album Options



User-defined specific activities include:

- Rename
- Share : (TBD : MozShare?)
- Delete

Future release options?:

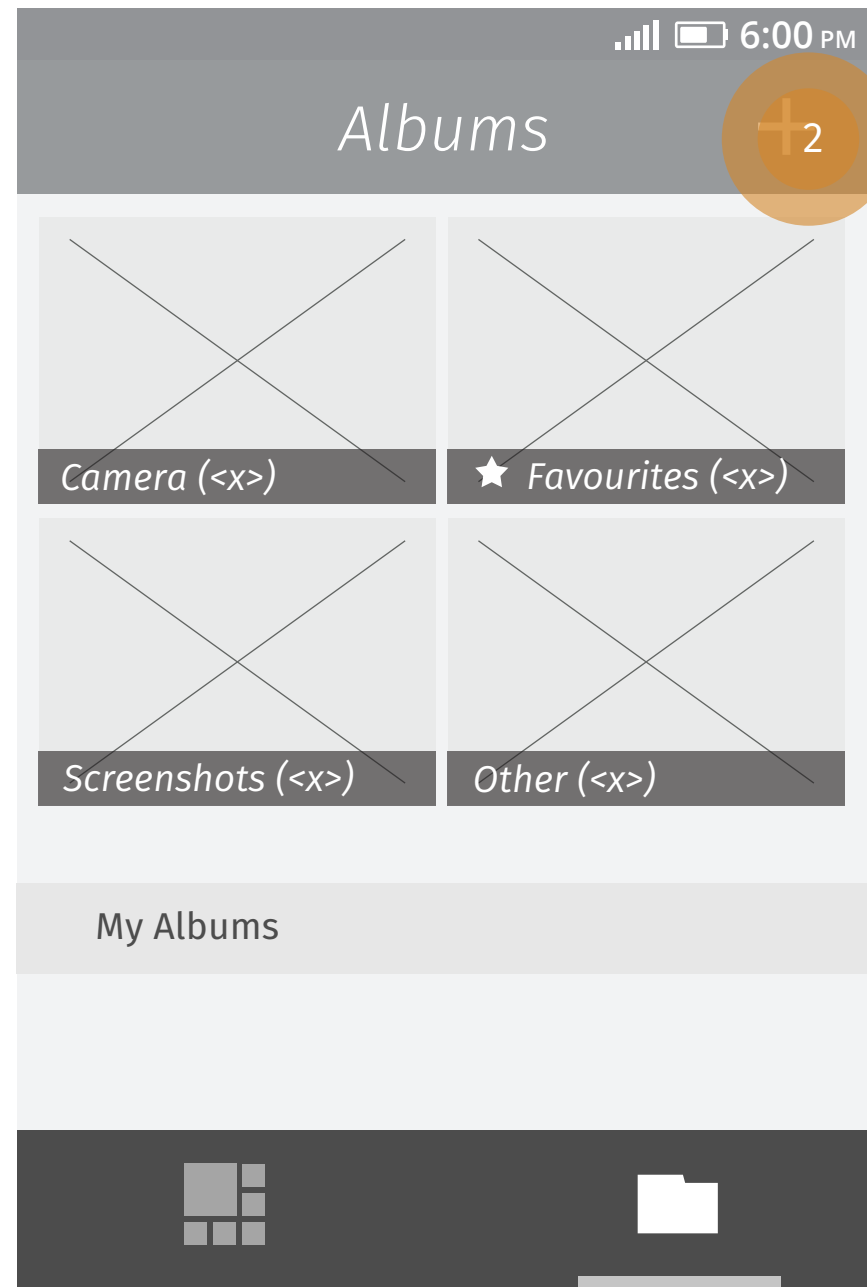
- Permissions : multiple contributors
- Permissions: hide/passlock
- Tagging (sharing, location, friends, etc)

Notes

- A + Add / Create New Album**
Functionality is new - initiates create new album activity.
- B Create New Album : Input Dialog**
Uses Building Block / common control of input dialog. Presents user with editable text field, Cancel and Save buttons and keyboard.
- C Album Options**
Show action menu with options before continuing to specific activity.
- D Dialog with Title**
Present dialog with title <album name> to re-affirm to the user that the options displayed will act on that specific (user-defined) album.
- E Rename**
Allows user to rename / edit Album name, open input dialog
- F Share : TBD for 2.2 / MozShare?**
Functionality behaves similarly to all Gallery share activity - show action menu with options before continuing on to share options
- G Delete**
Functionality behaves similarly to all Gallery delete activity - first present a confirmation before finishing the action.

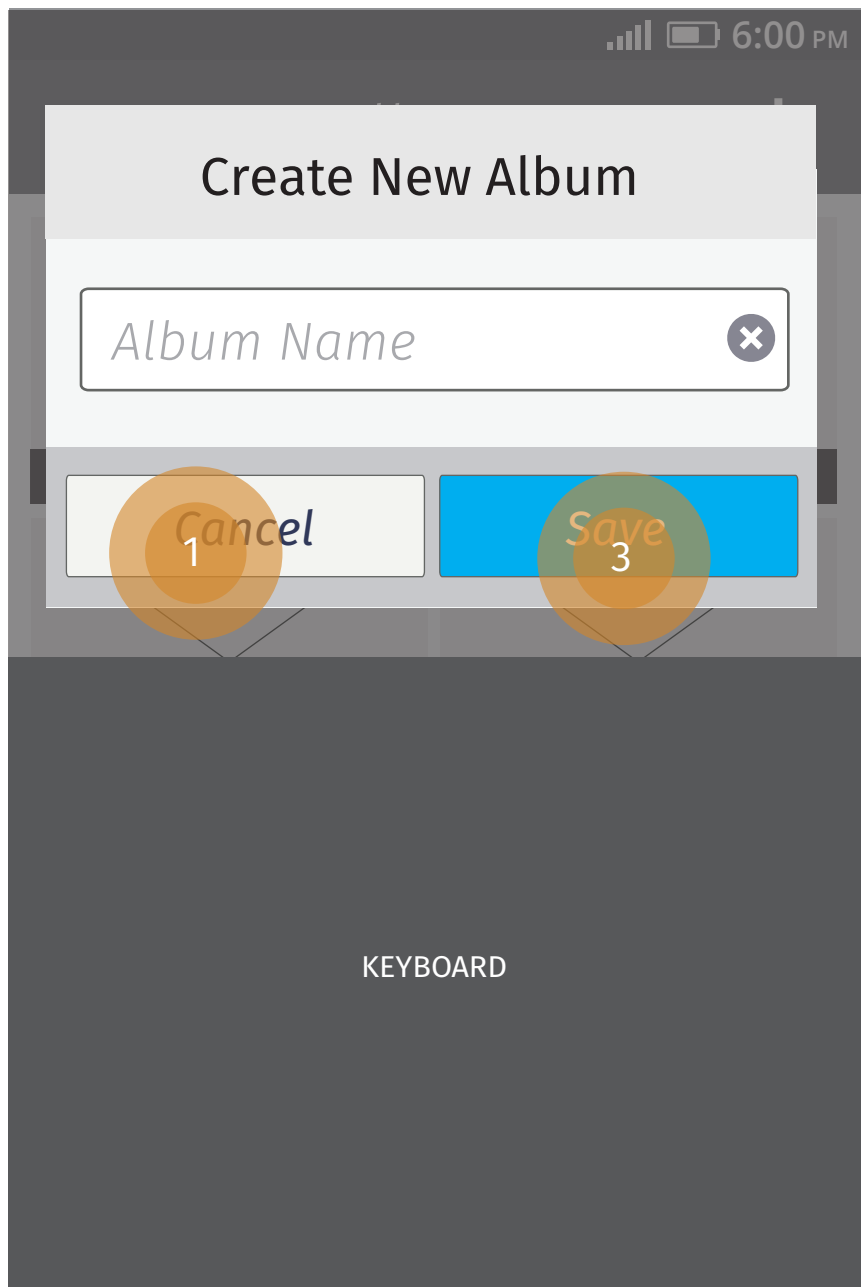
Albums - Create New - Flow

1. Album View



Tapping “+” in Album header initiates Create New Album flow.

2. Create New Album - input dialog



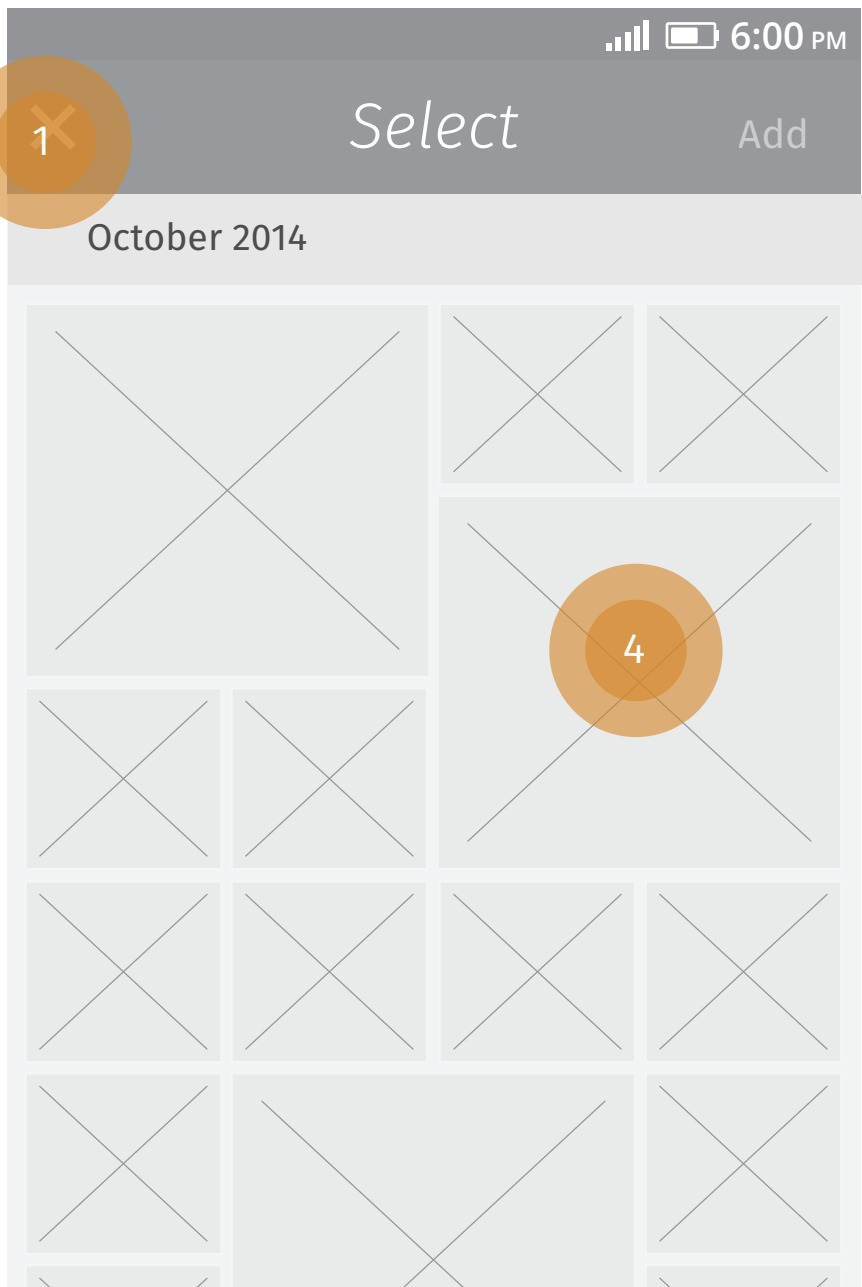
Open Create New Album input dialog with text field for <Album Name> and open keyboard.

Save is disabled until user has begun typing.

Cancel closes dialog and returns user to Album View with no changes made

Saving new album takes user to 03. Gallery Grid View (all images and videos) in multi-select mode

3. Gallery Grid View - Multi-select mode



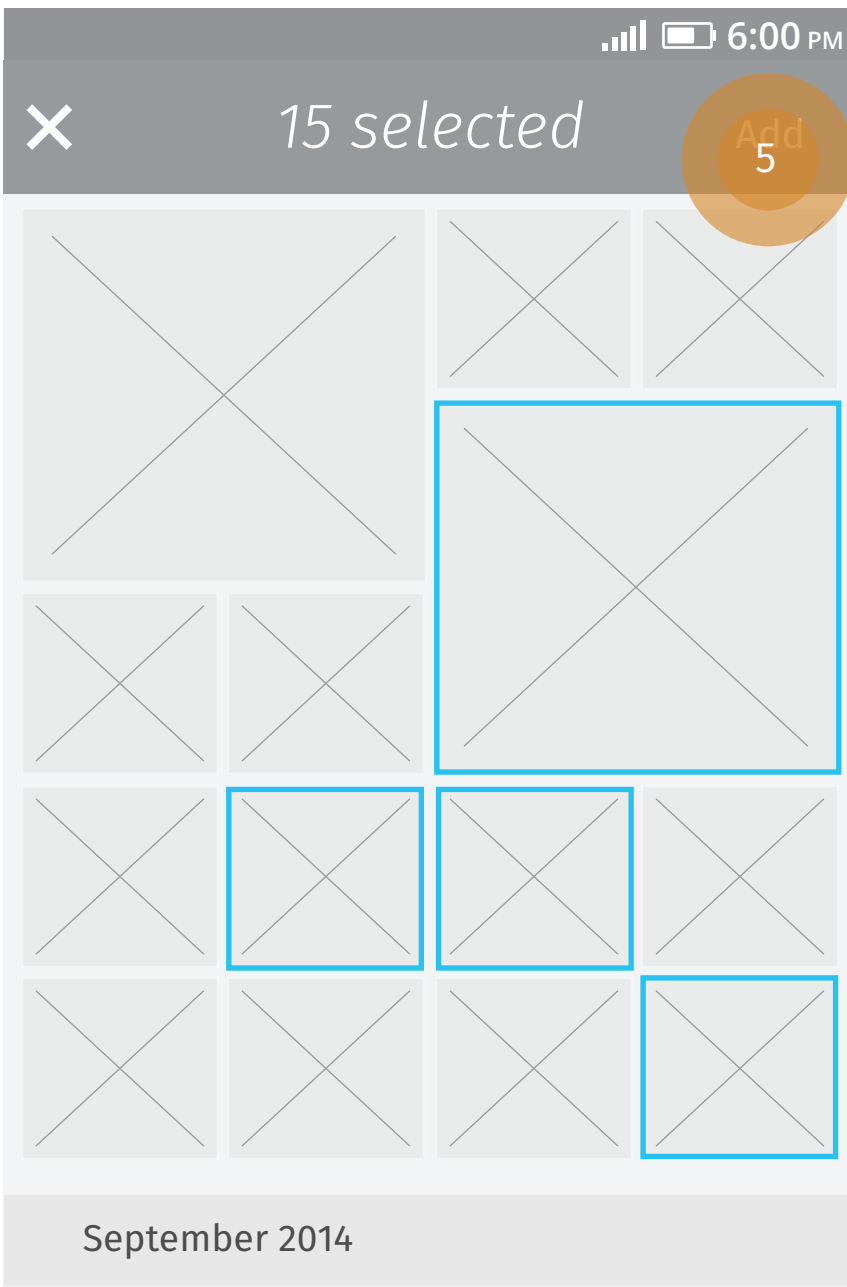
Gallery View in multi-select mode.

“Add” is disabled until user has selected at least one item

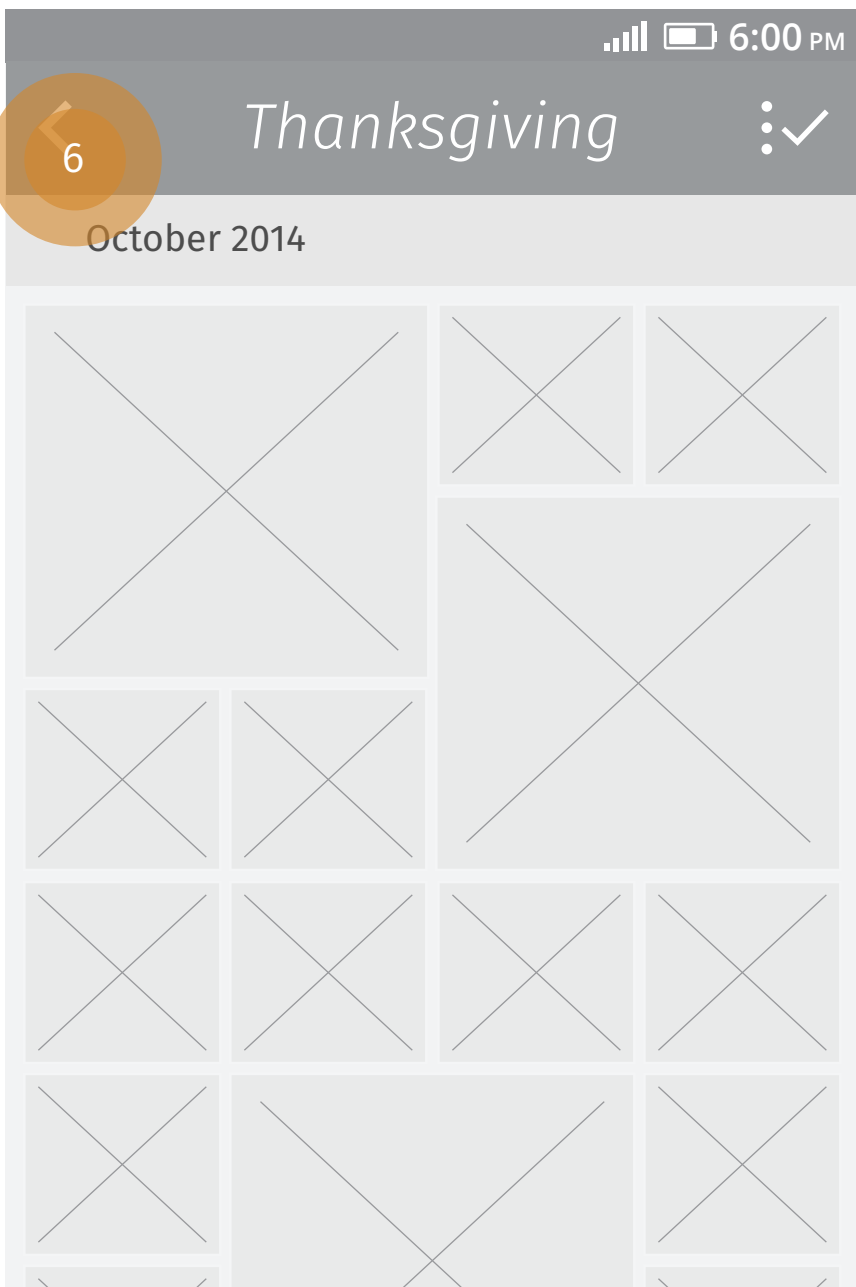
X closes “Add” activity/multi-select mode and returns user to Album View - New Album has been saved, 0 items in album : see [6]

Add is enabled after at least one item has been selected. Tapping “Add” takes user to [5] <New Album>

4. Gallery Grid View - items selected



5. New Album

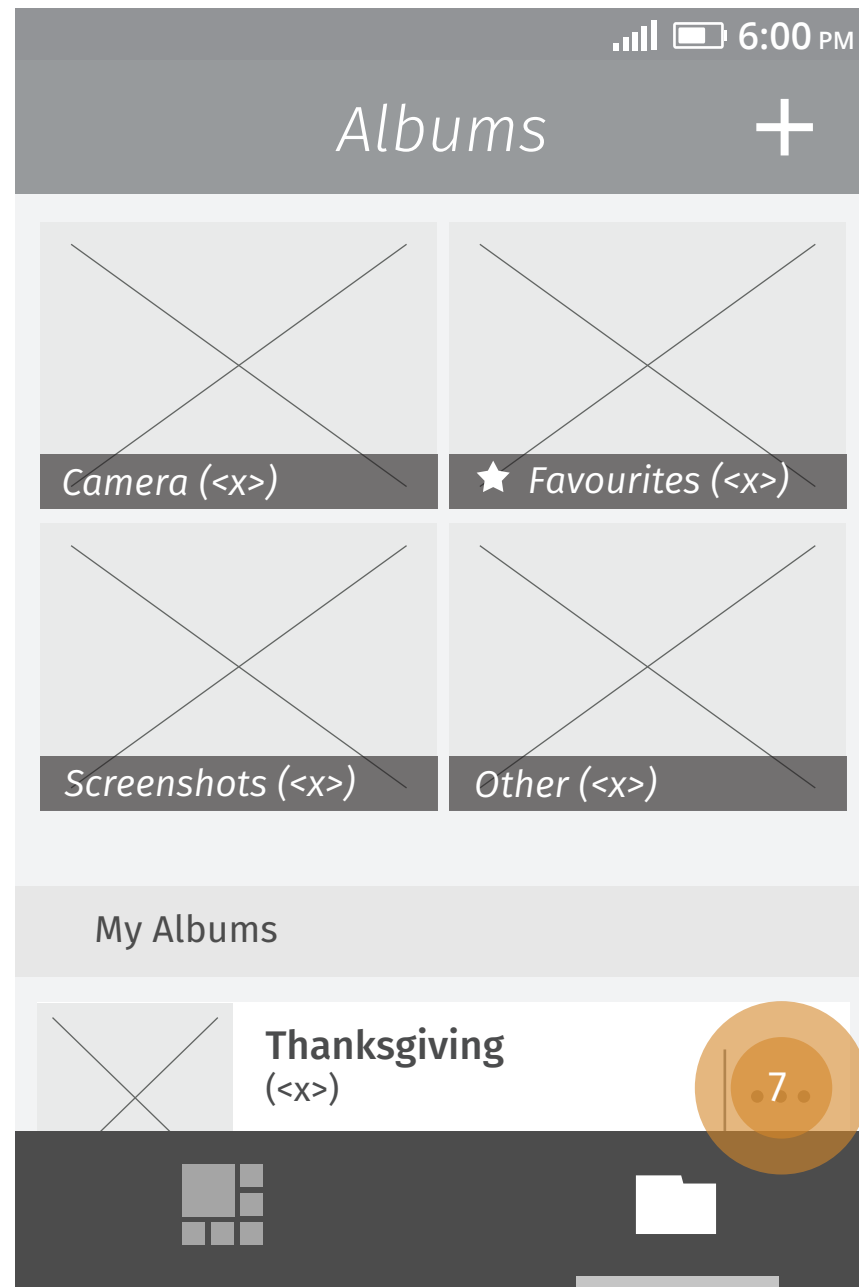


New Album has been created. This view is the same as all other Sub views.

Multi-Select tool allows user to select multiple items and take action: Favourite, Share, Add to Album or Delete.

“<” back arrow returns user to Album View [6]

6. Album View - New Album

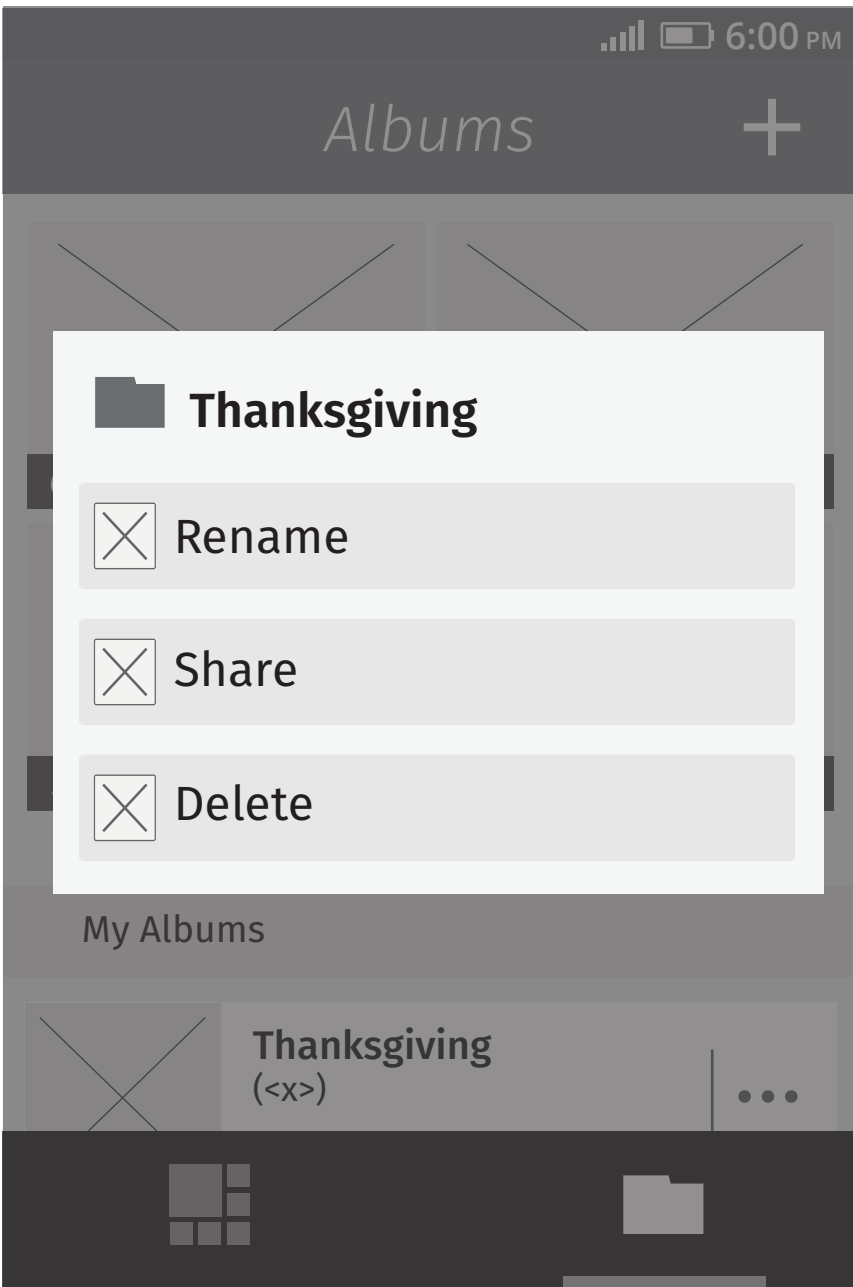


New Album appears in list below “My Albums” subheader.

New Album displays thumbnail image, album name, number of items within the album and an Options icon

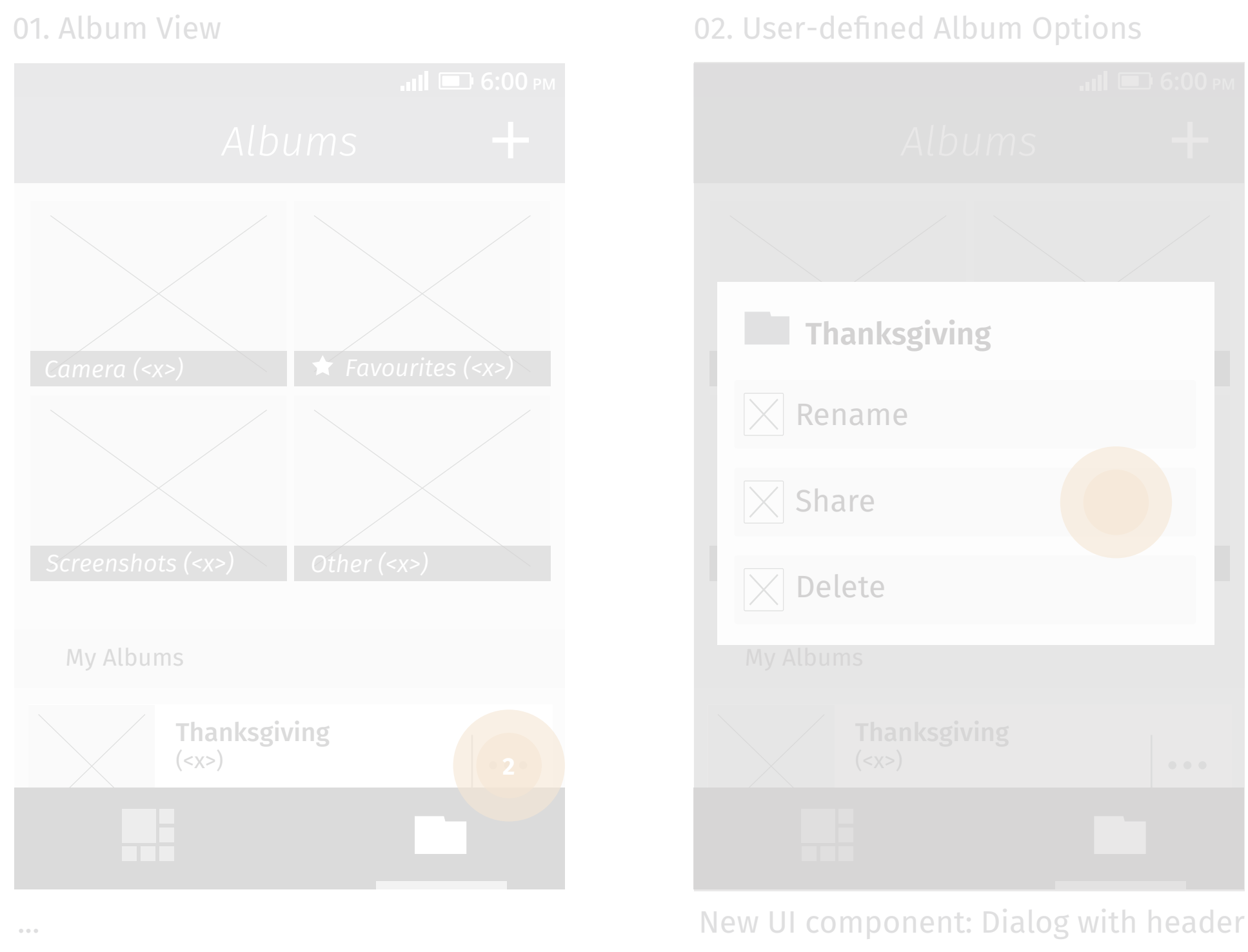
Tapping the “...” options icon opens activity menu

7. New Album - Activity Menu



New UI component: Dialog with title

Albums - Share - Flow



SHARE FLOW

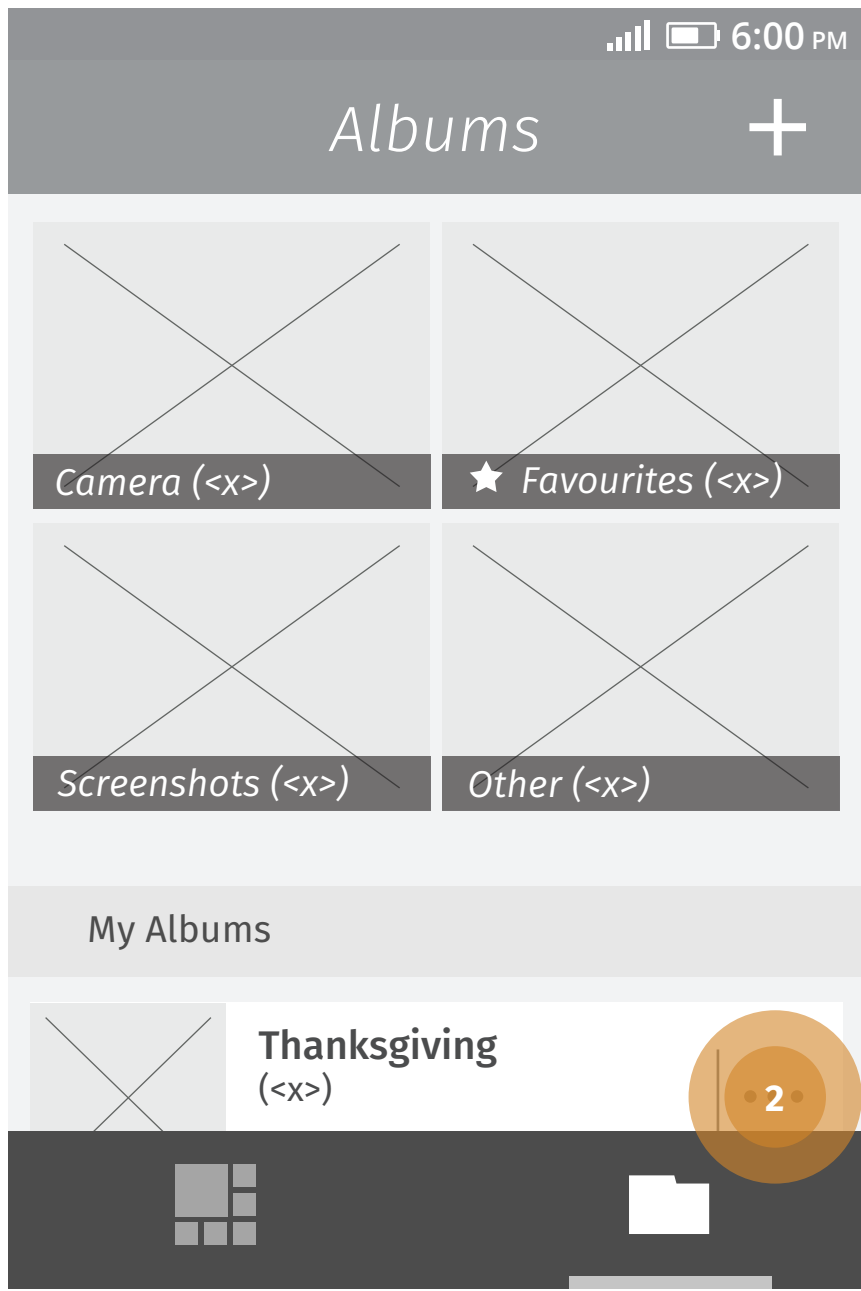
→

Use current UI/flows for sharing options.

Concept on hold...

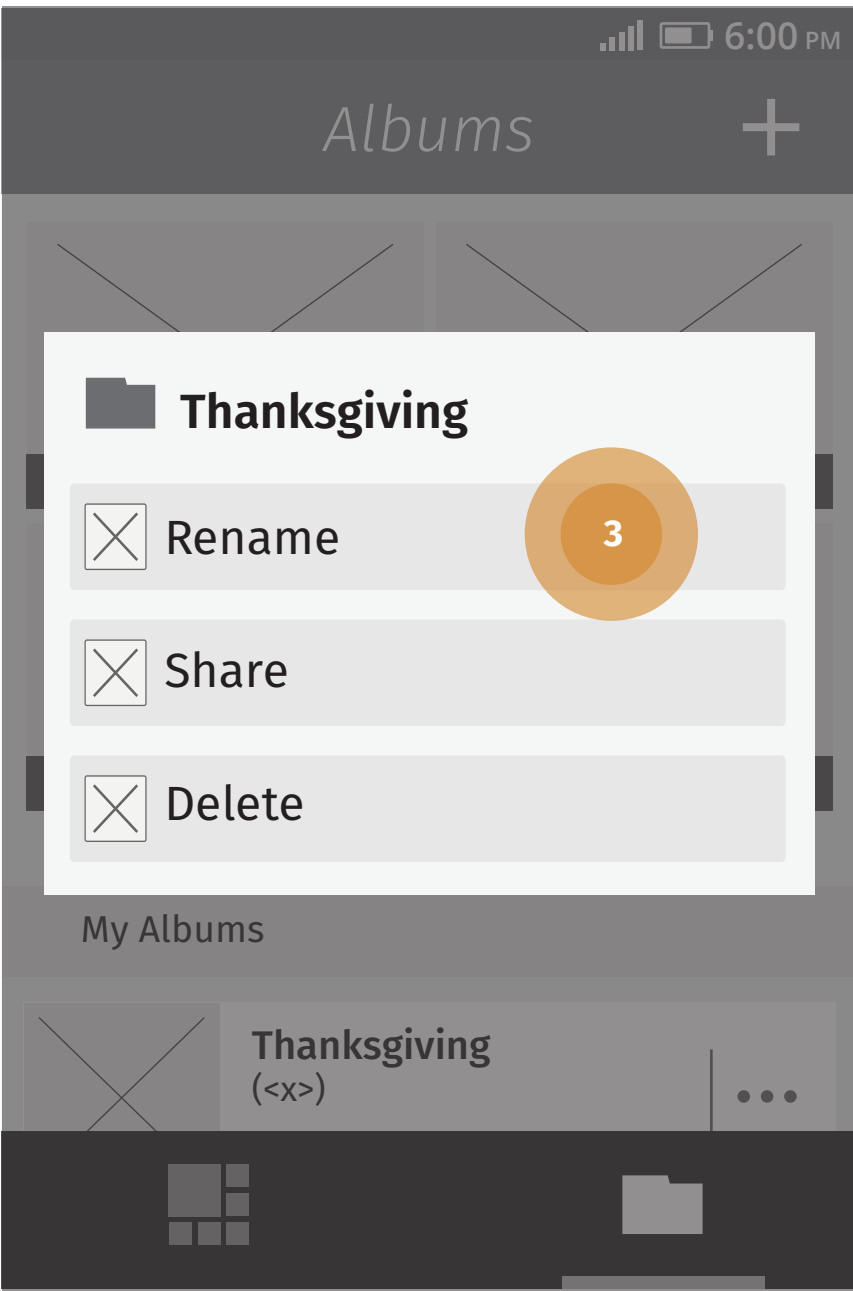
Albums - Rename - Flow

1. Album View



Tapping “...” (album options menu icon) on a user-defined album opens the album options menu.

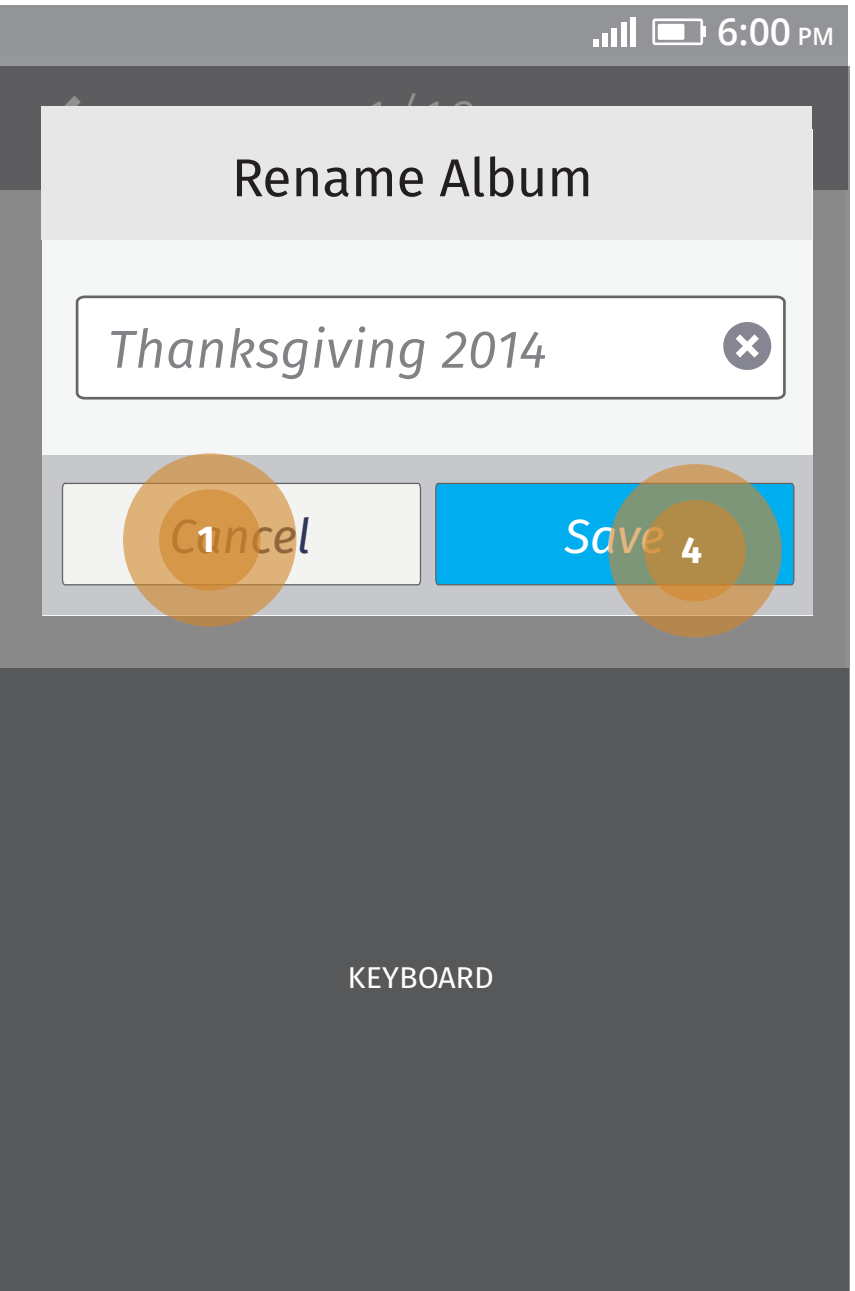
2. User-defined Album Options



Tapping on “Rename” in the menu opens the input dialog with keyboard [3].

Tapping anywhere outside the menu cancels the activity, closes the menu and reveals the previous Album View [1].

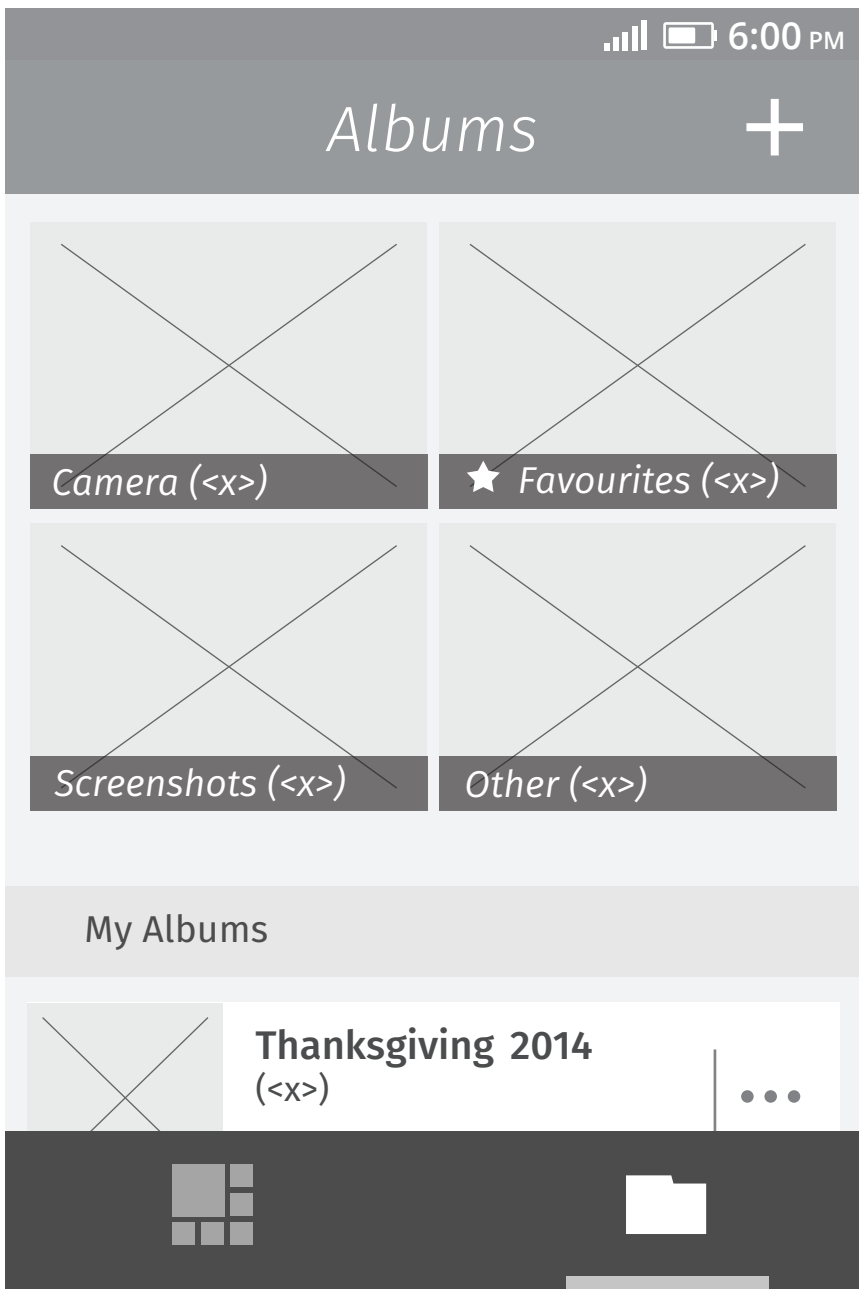
3. Rename Album Dialog



Tapping “Save” saves changes, closes dialog and returns user to Album View [4].

Tapping “Cancel” cancels out of the activity with no changes saved and returns user to Album view [1].

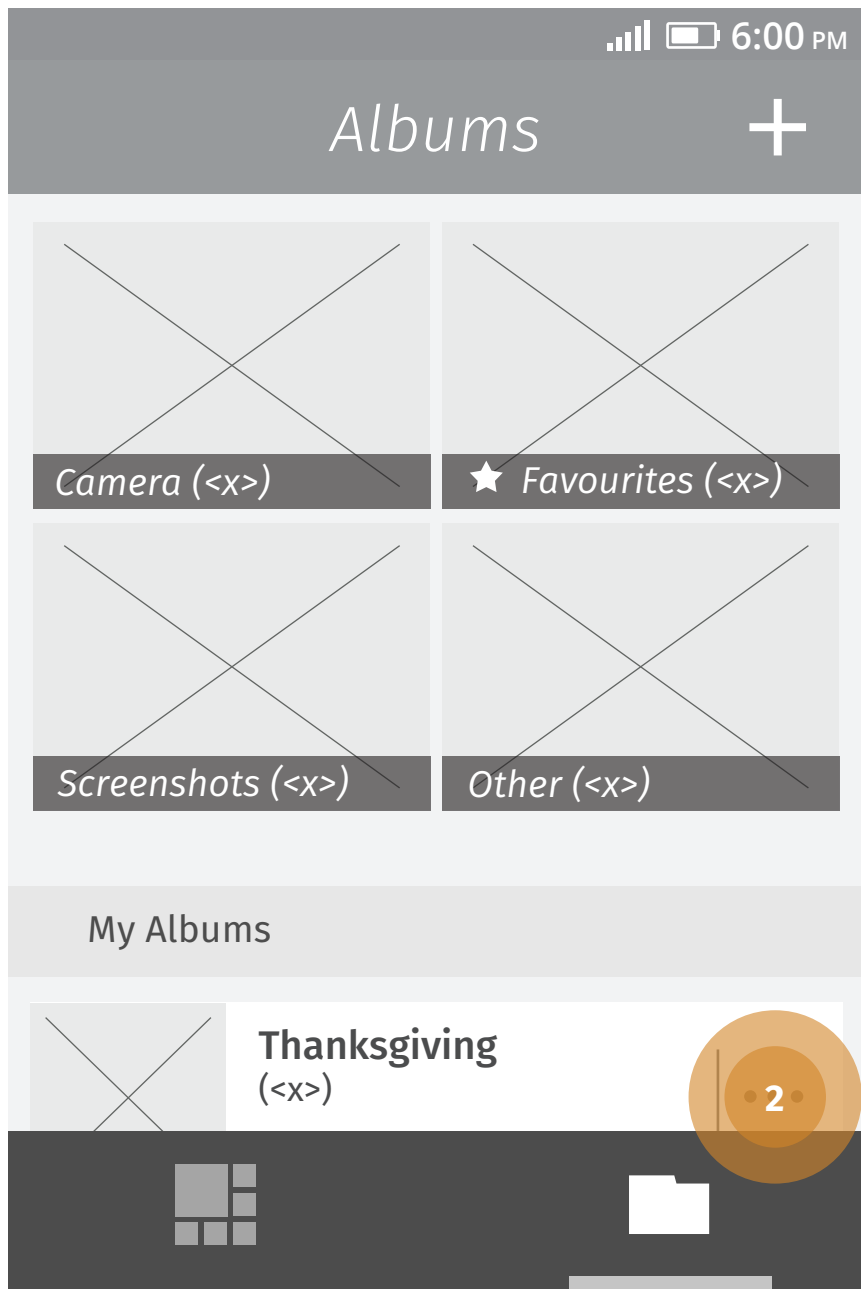
4. Album View - Renamed Album



New album name is immediately updated and visible to the user.

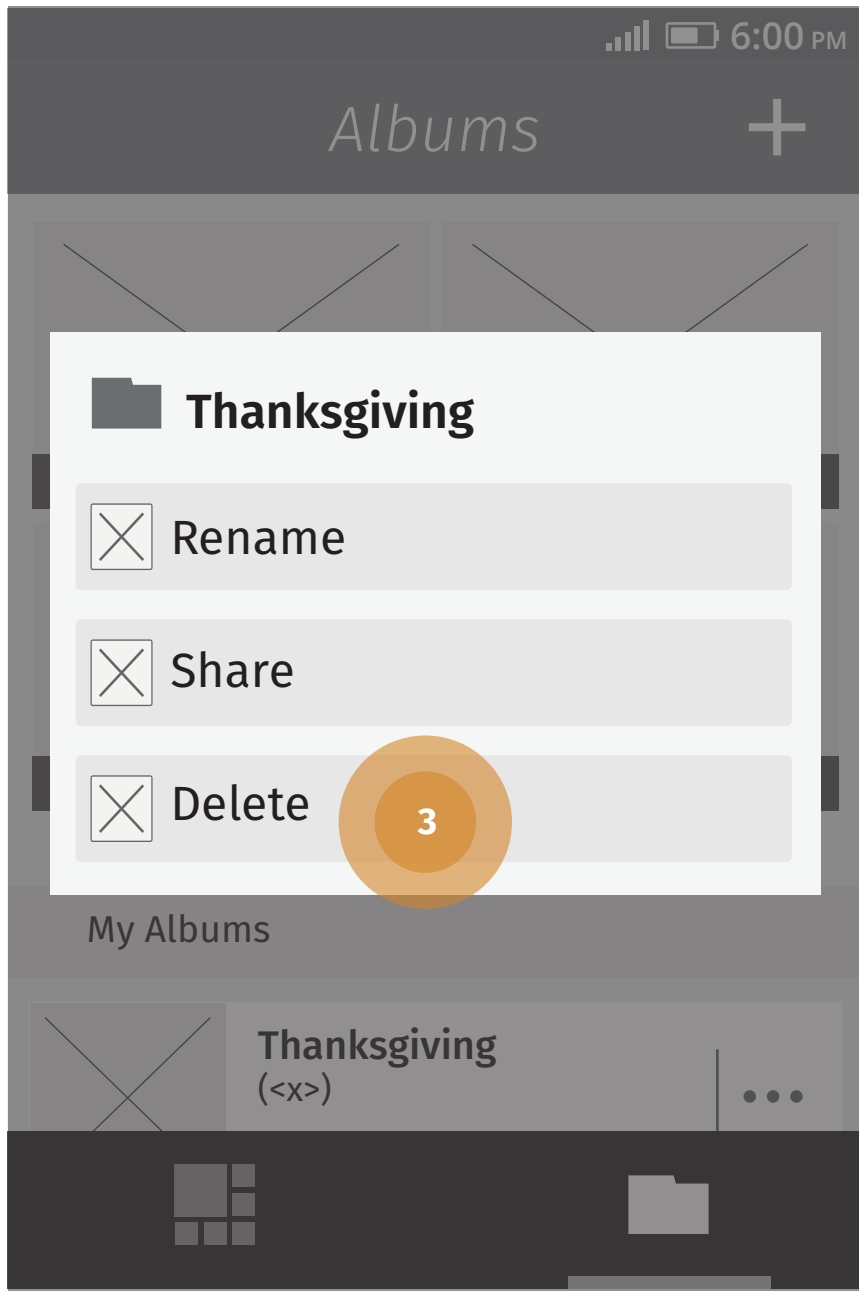
Albums - Delete - Flow

1. Album View



Tapping “...” (album options menu icon) on a user-defined album opens the album options menu.

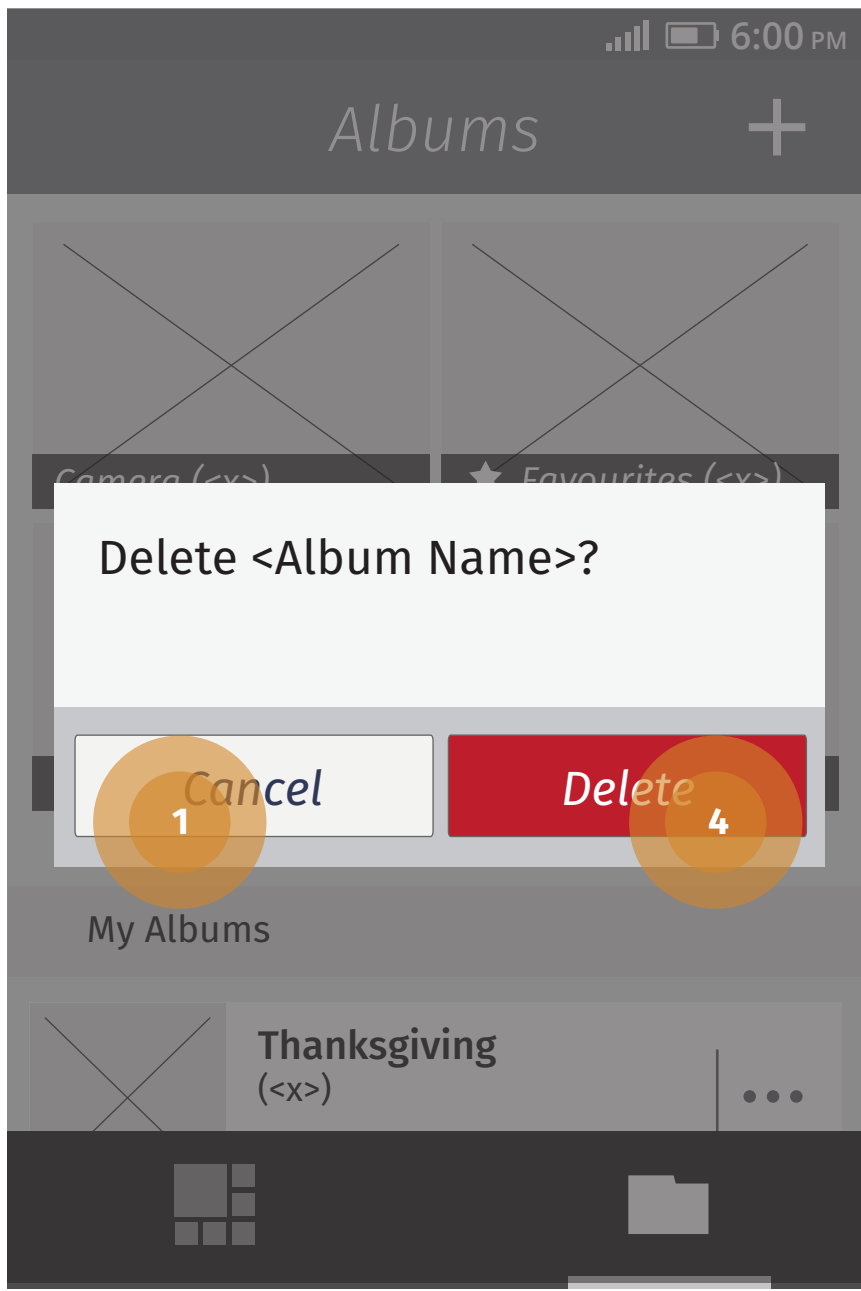
2. User-defined Album Options



Tapping on “Delete” in the menu opens the confirmation dialog [3].

Tapping anywhere outside the menu cancels the activity, closes the menu and reveals the previous Album View [1].

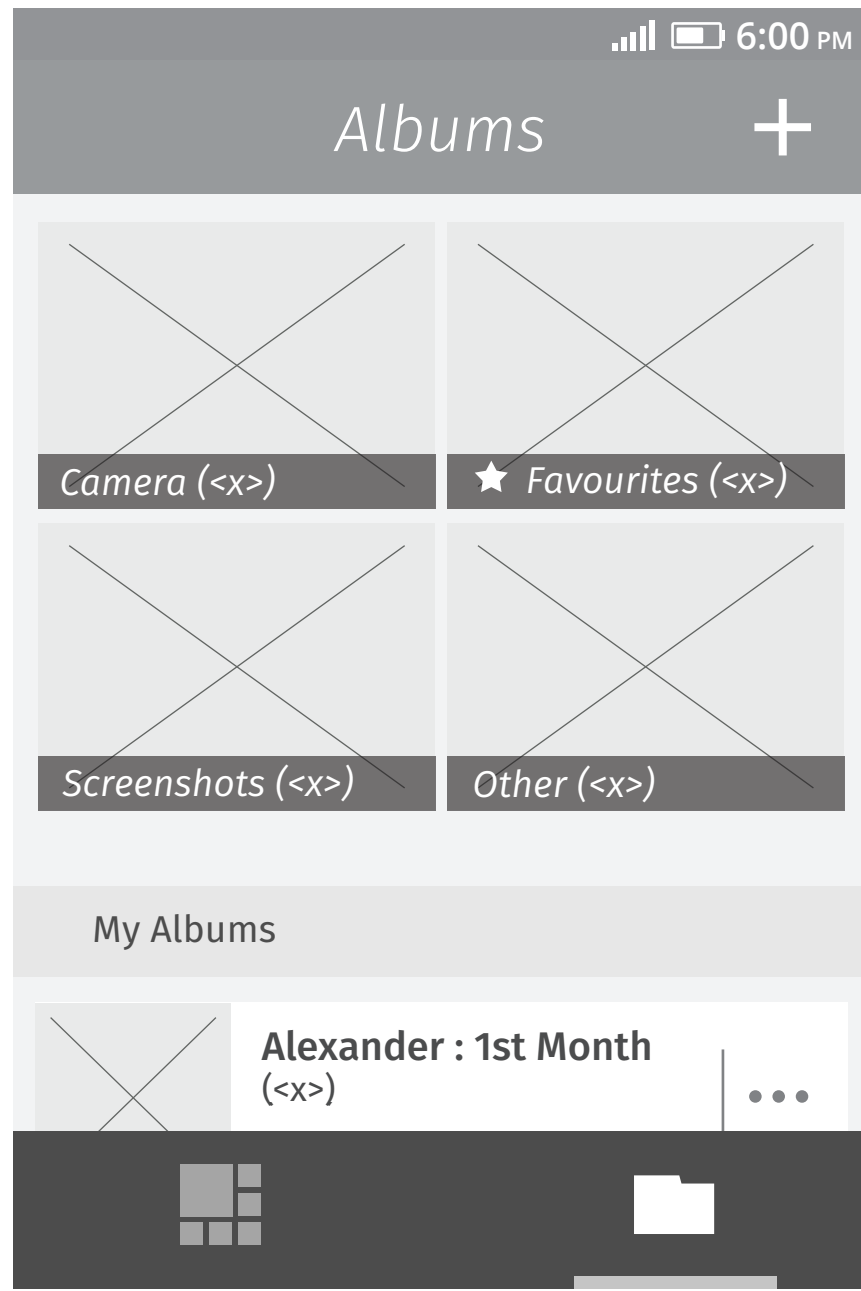
3. Delete Album Confirmation



Tapping “Delete” deletes the album, closes dialog and returns user to Album View [4].

Tapping “Cancel” cancels out of the activity with no album deletion and returns user to Album view [1].

4. Album View - Banner Confirmation



The deleted album is immediately removed from the list - the next (most recent user-defined) album in the list is visible to the user.

If the user deletes all user-defined albums - show message below “ My Albums” subheader (see : _____)

Thanks!

From your friends in Firefox OS UX