

Firefox OS



Gallery: Edit Mode - Release for 2.2

Version 2.1 November 18, 2014

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

Release Notes

v1.0	Jul 29 2014	Tiffanie Shakespeare / Katie Caldwell	Spec based off of Gallery Spec for 2.1
v1.1	Aug 20 2014	Katie Caldwell	Added Confirmation Banner Updated spec to reflect ON HOLD feature: “Saved edits” pg 11. <ul style="list-style-type: none">• For 2.1 - toolbar icons do not indicate edits to previously edited image
v1.2	Sept 02 2014	Katie Caldwell	Added Filter Names Change Exposure values to -100 0 +100
v1.3	Sept 10 2014	Katie Caldwell	Text update: “Editor” changed to “Edit” Updated Slider behaviour with number above Removed “Original” from Crop Updated Crop interactions Added Rotate option Changed outline highlight to blue bar Changed doc title to be for 2.2 Release
v2.0	Oct 13 2014	Katie Caldwell	Small text edits / file date change Added overflow crop menu with additional Aspect Ratios
v2.1	Nov 18 2014	Katie Caldwell	Updated symbols in Illustrator Added crop bug to User Stories page

Open Issues

July 29, 2014

Currently, saved edits create copies of an original image in Gallery. Ideally, all edits are “remembered” in a layered fashion on the Original image, saved with the original timestamp. If that is not possible, then perhaps “Save” string should be adjusted to inform the user that a “Copy” or “New” image is being saved (to a new place, with a new timestamp - not necessarily from the original album the image was initially selected from).

~~Edited Images will be saved as the original (with timestamp), not as duplicates (with new timestamps). Edits are “layered” on the original image and user can return image to original state, if desired.~~

Update for 2.1:

djf: Aug 18, 2014

We're still editing a copy of the image. The original is never modified, and until the user clicks Save, we're regenerating the preview from the original image, so edits can be made and undone forever. We always re-generate from the original so nothing is lost. When the user clicks save, they'll get a new image, but the original is still displayed. (That may be something we want to change eventually but it is out of scope for what Punam is doing now.) None of this has changed: it is how we did it in the past and it is how we're doing it now.

Punam: Aug 20, 2014

I see this requirement is in specs on page 11 - under EditMode- General. It says

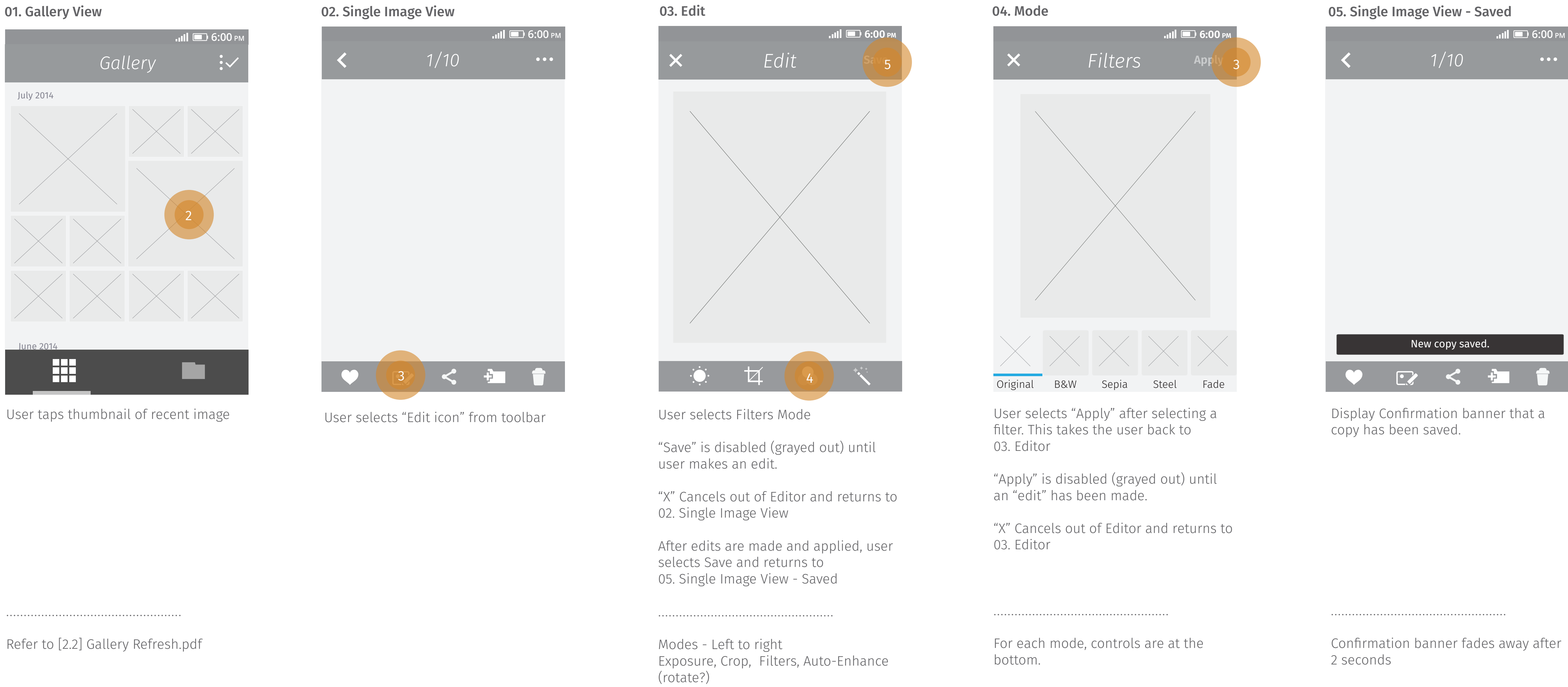
'Multiple edit modes (ex: Crop, Filter and Auto-Enhance) can be “on” at the same time (layered). After an image is saved to the Gallery , these edits are remembered. Should the user return to edit mode (opening an edited image), all features that were applied (ex: Filter X) are highlighted within each mode.'

TBH this requirement is the trickiest one and will be difficult to implement in current scope. The way gallery works now, once user clicks save, edited image is saved as new image. AFAIK, there is no easy way to tell what are the edits applied on the new edited image once we come out of edit screen after hitting save.

User Stories

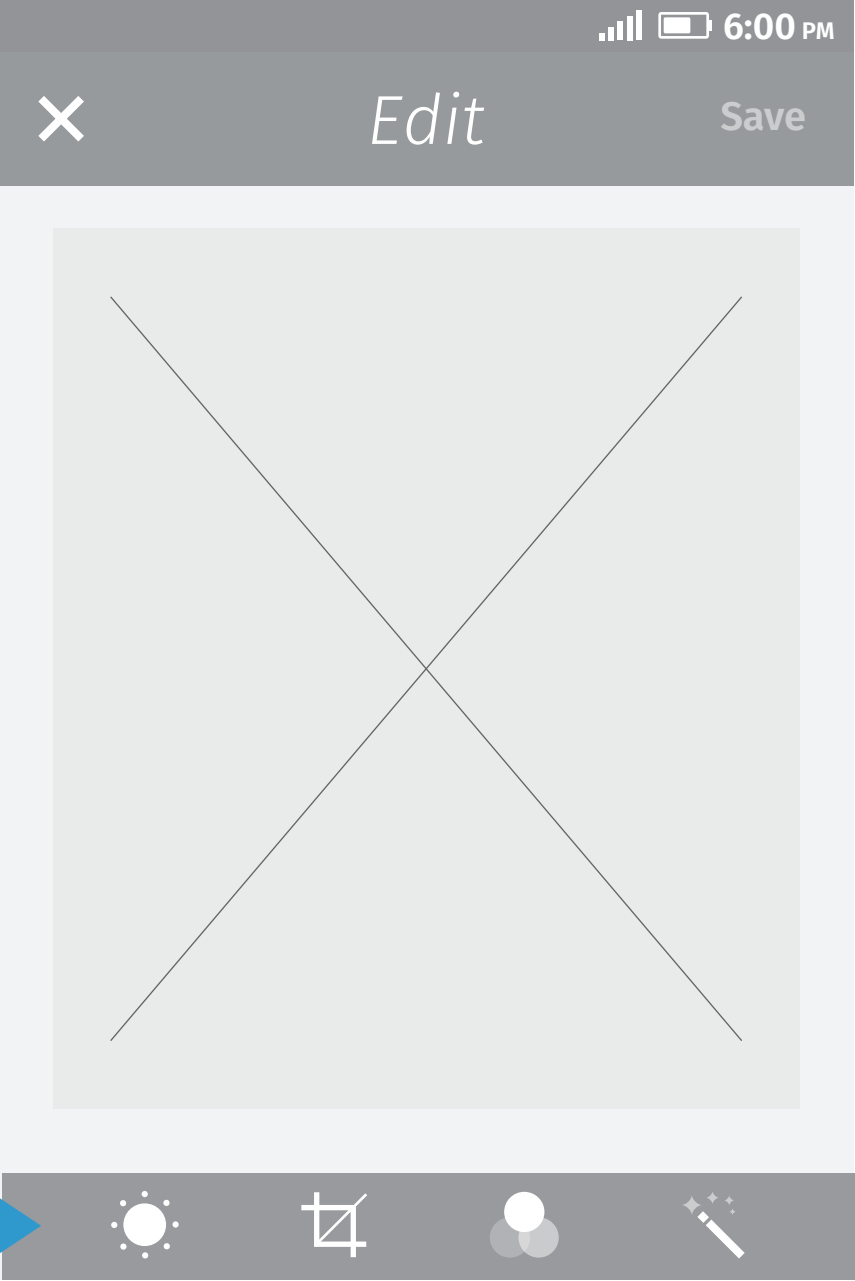
Bug 1042319 - [gallery] Update gallery edit UI and Visuals
Bug 1087494 - [Gallery] - Update image edit crop flow

Gallery - Edit Mode : General Flow



Gallery - Edit Mode : Exposure

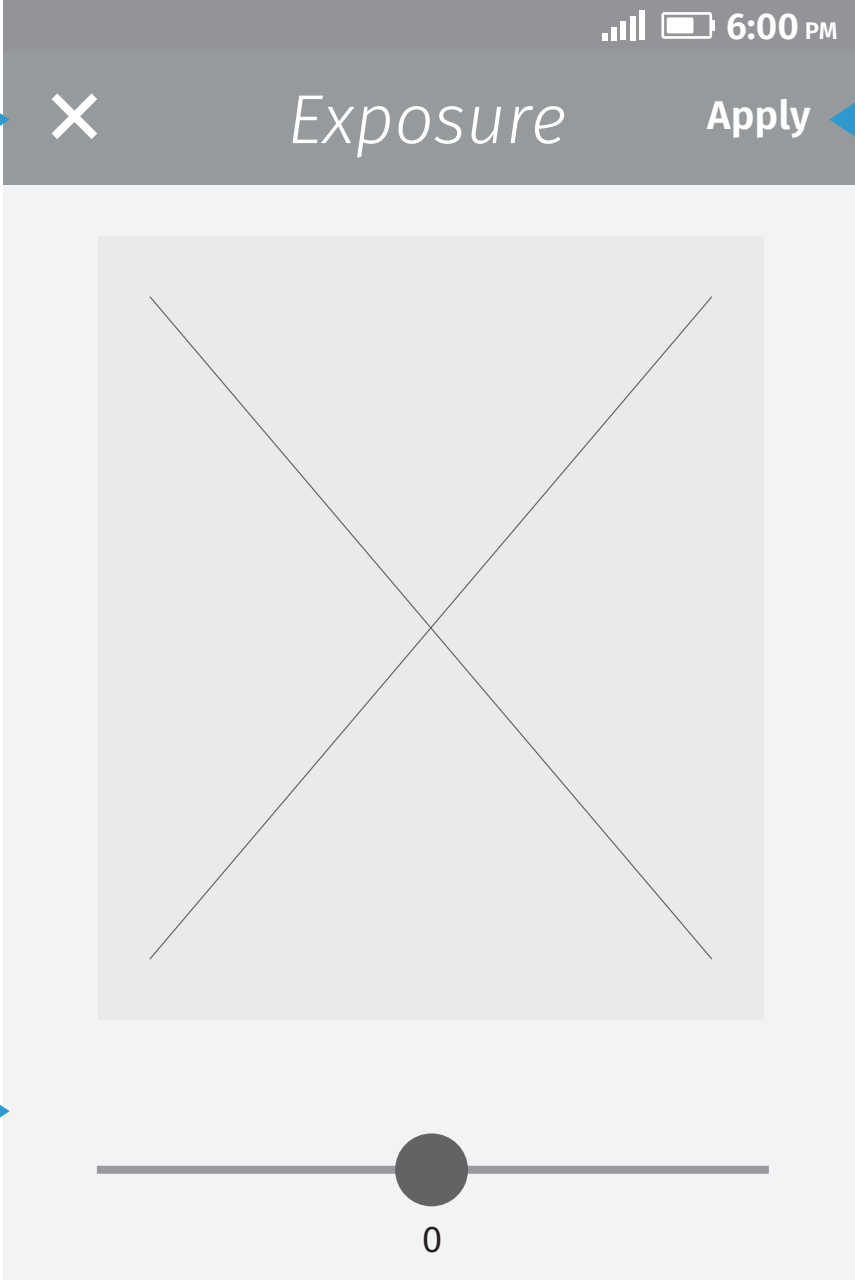
01. Edit



Modes:
Exposure, Crop, Filters, Auto- Enhance

“Save” is disabled until an edit has occurred.

02. Mode: Exposure

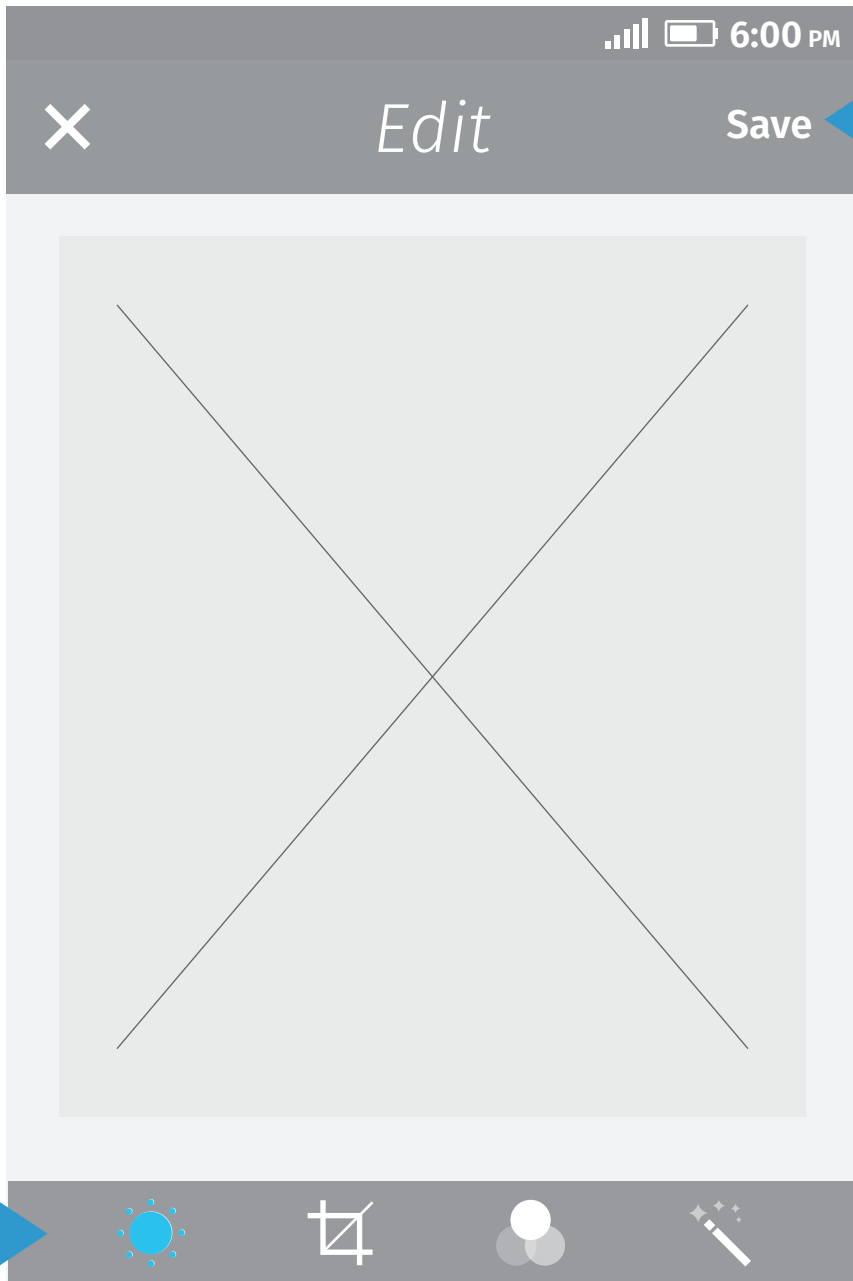


Exposure defaults to “0” center position

Dragging slider left or right adjusts image exposure. Slider ranges from a minimum value of -100 to a maximum value of 100.

“Apply” option is disabled [grayed out] until first edit has occurred.

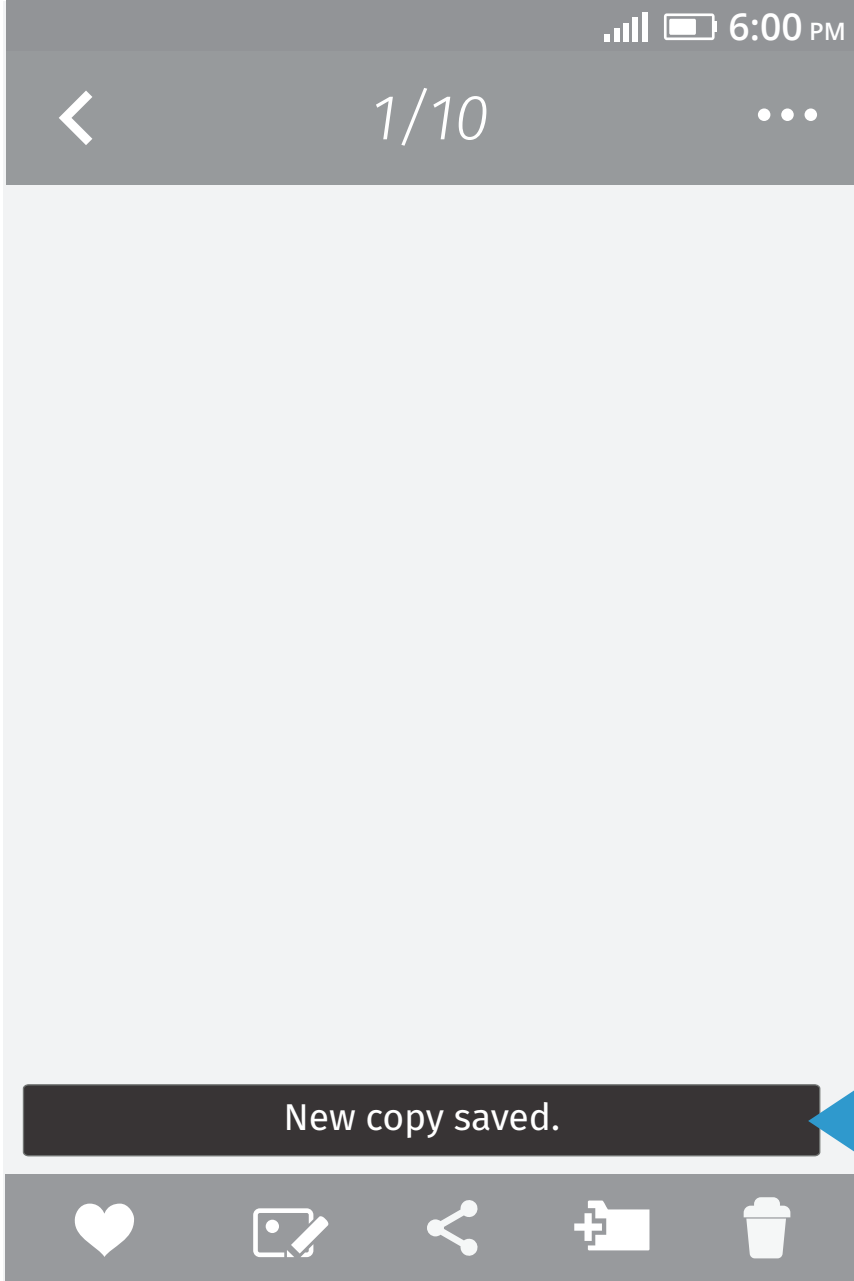
03. Edit- Exposure Applied



Exposure icon changes to enabled/On state if the original image has been edited (edits applied).

“Save” returns user to 04. Single Image View-Saved with updated image preview

04. Single Image View - Saved



Display Confirmation banner that a copy has been saved. Confirmation banner fades away after 2 seconds.

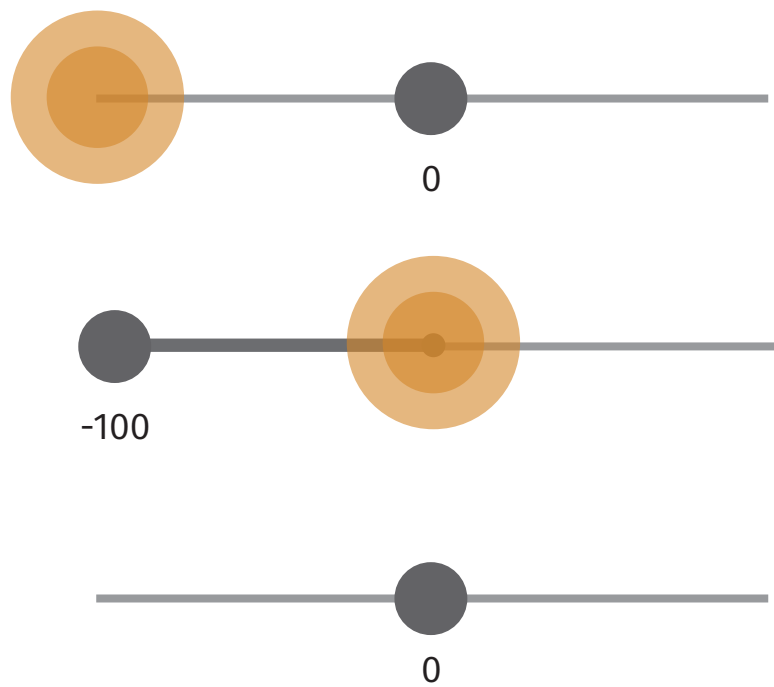
Notes

Quick Summary
Exposure uses a slider control with 7 discrete settings. Exposure defaults to the “0” setting.

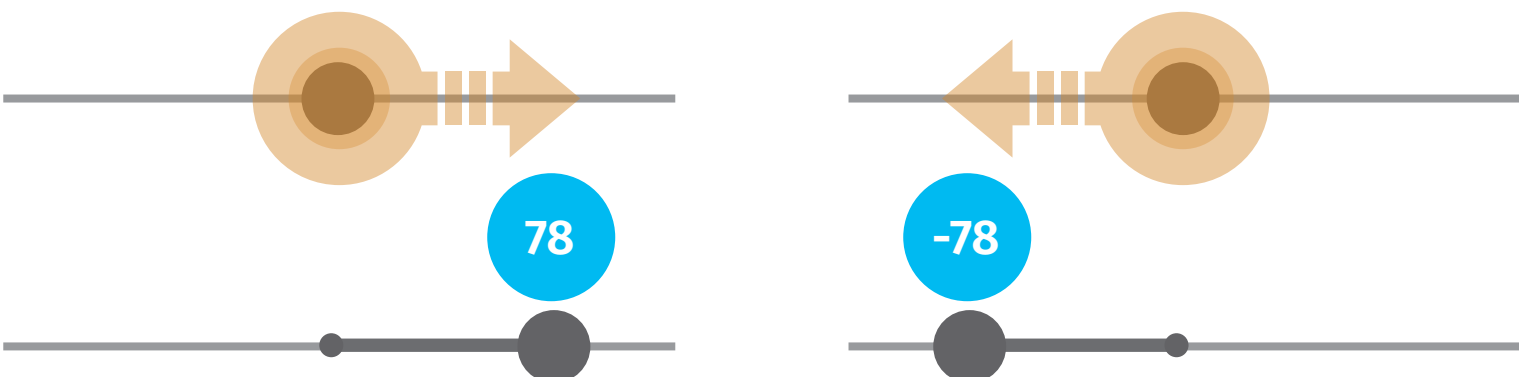
- A Toolbar - Edit Modes**
From left to right: Exposure, Crop, Filters, Auto-Enhance. Each icon has 2 states: On/Off. Icons default to OFF, only when an edit has been “Applied” in a specific mode does the icon change to ON state. *Exception: Auto-Enhance (see Gallery - Edit Mode: Auto-Enhance for details)*
- B Cancel**
Cancels out of specific Edit mode (ignores any changes made in specific edit mode. Ex: exposure). Returns to 01. Editor screen.
- C Mode Adjustment: Exposure slider**
Exposure uses a slider with a range of -100 to +100. Slider defaults to the center position 0. User will only see the current value of slider position.
- D Apply Edits**
Applies edits to original image and returns to 03. Editor screen
- E Saves Edits**
Saves edits and updates Single Image View to reflect edits.
- F Confirmation Banner**
Displays message to user confirming saved edits and that a new copy of the image exists.

Custom Control Slider Behaviour [2.2?]

User taps far left or right end points or center point, slider snaps to targets: -100 / 0 / 100

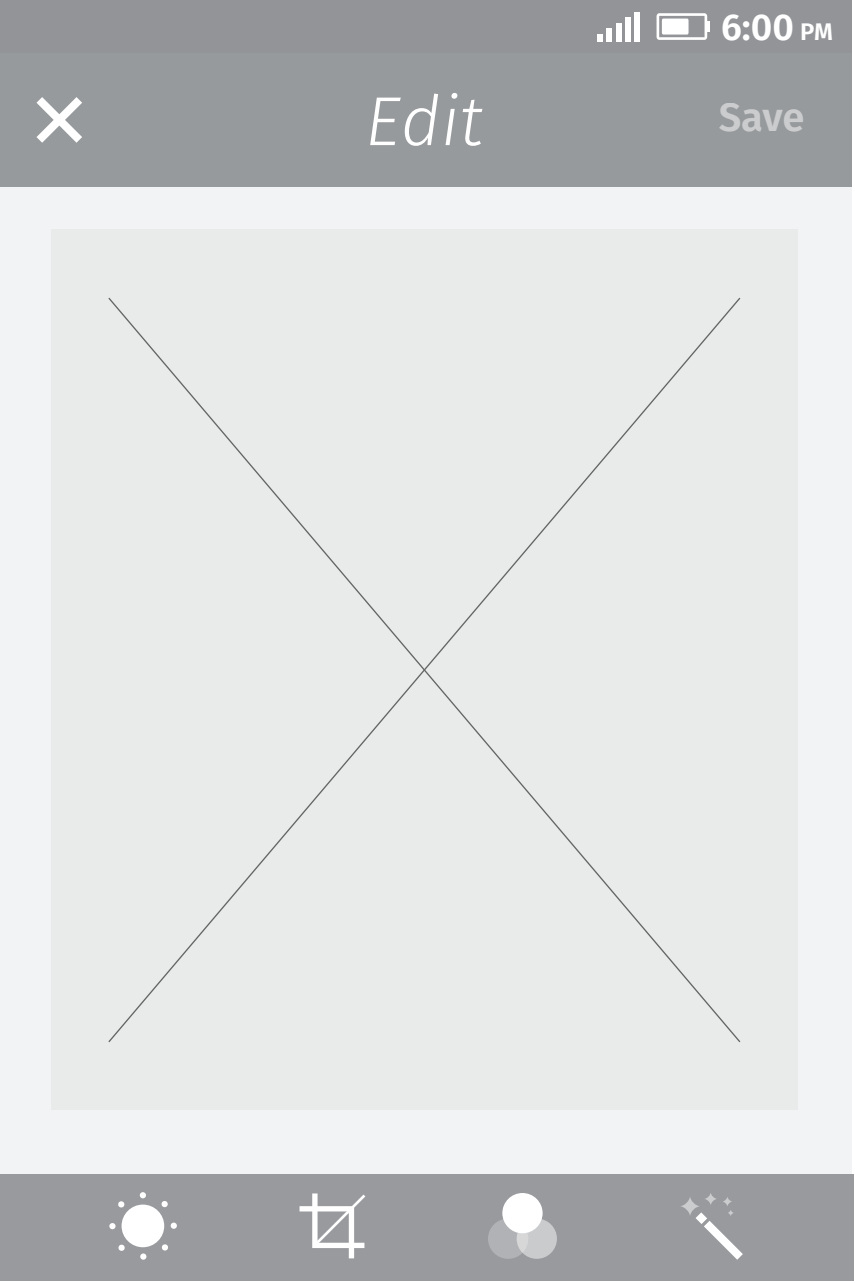


User drags the slider left or right. Exposure value updates with drag action.



Gallery - Edit Mode : Crop

01. Editor

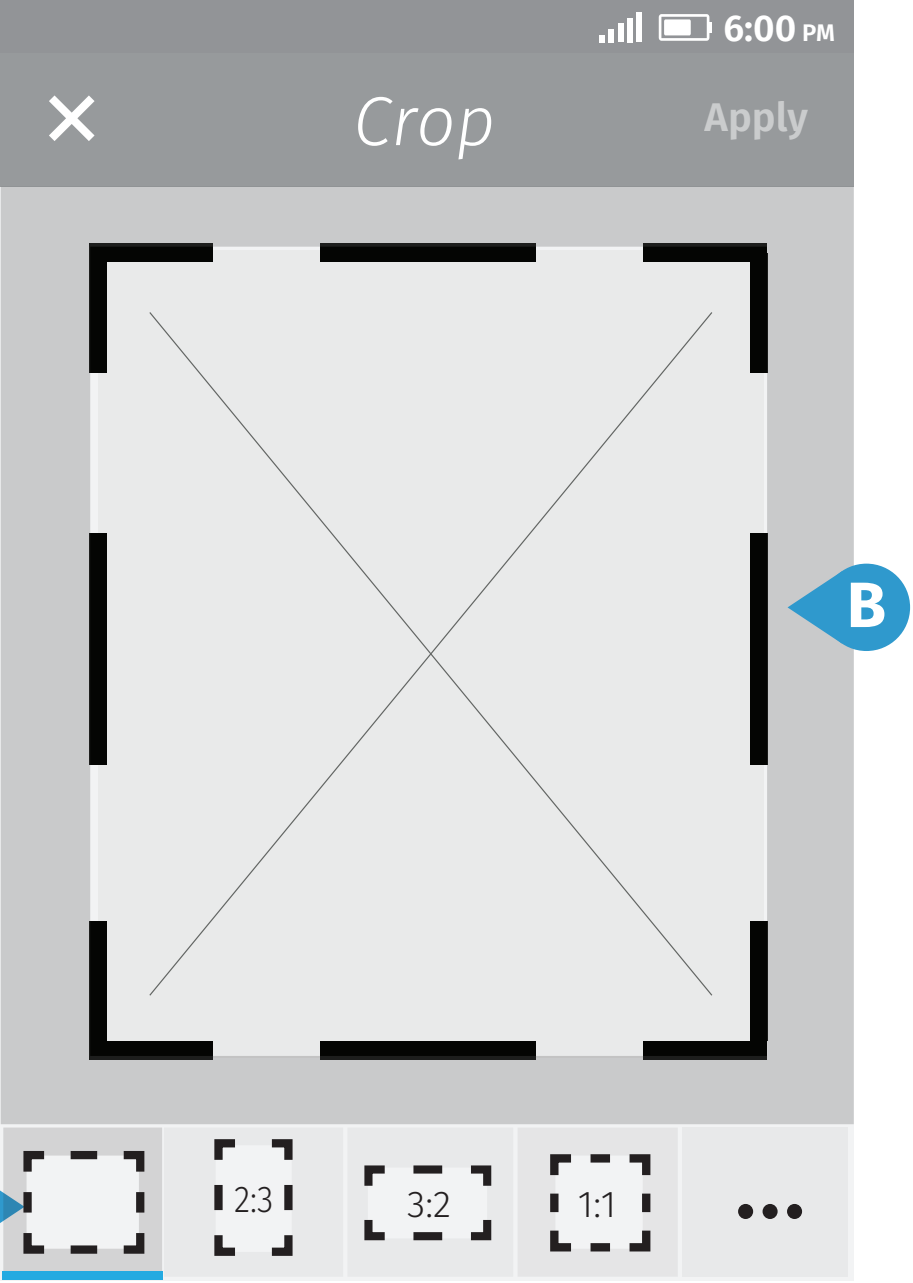


Modes:
Exposure, Crop, Filters, Auto- Enhance

“Save” is disabled until an edit has occurred.

Tapping ‘X’, cancels out of Editor and returns user to Single Image View

02. Mode: Crop



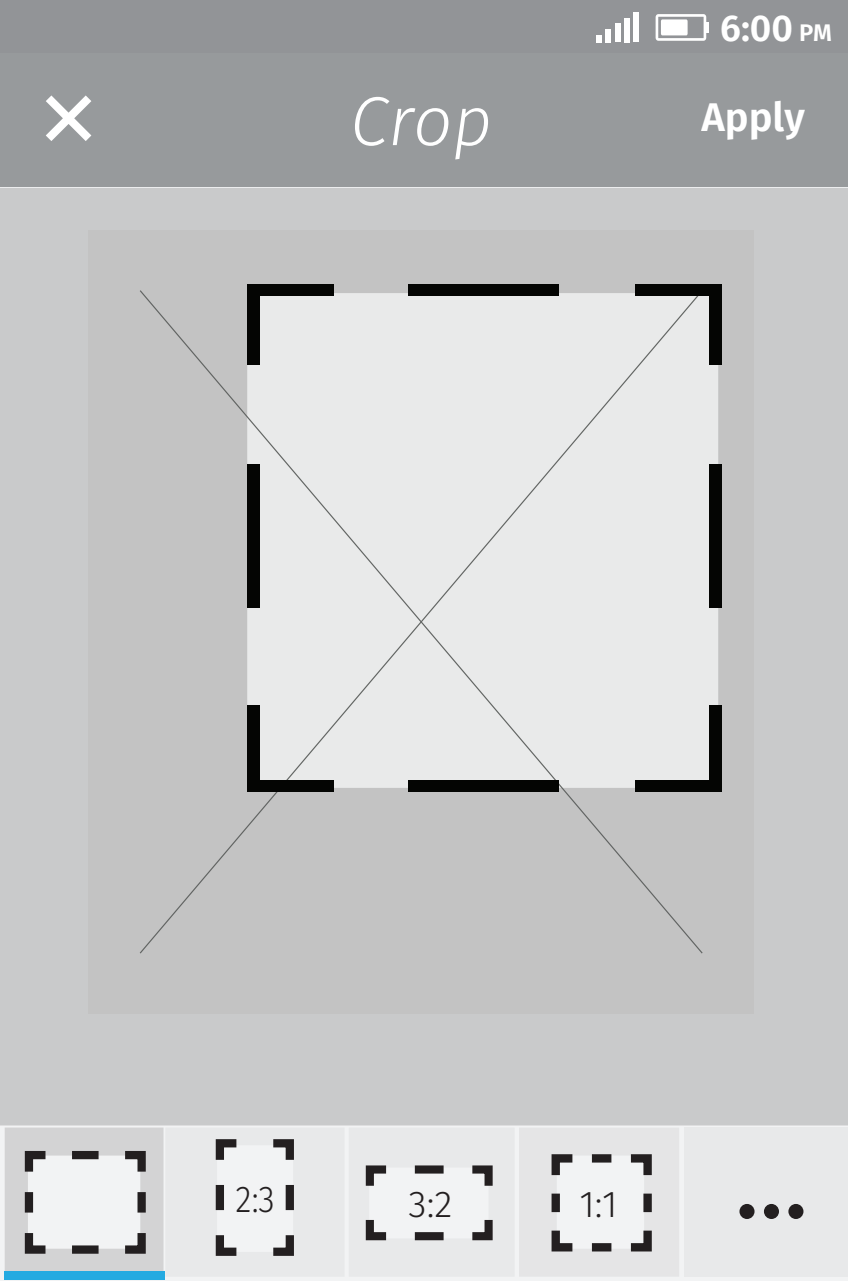
By default, Crop tool is highlighted

Have crop handles appear inside edges of image to avoid edge swipe gesture between dragging edges of crop tool and side gesture for jumping to another app

“Apply” option is disabled [grayed out] until first edit has occurred.

Tapping ‘X’, cancels out of Crop mode and returns user to 01. Edit

03. Mode: Crop



Dragging handles of crop tool (corners, left/right, and top/bottom) masks original image

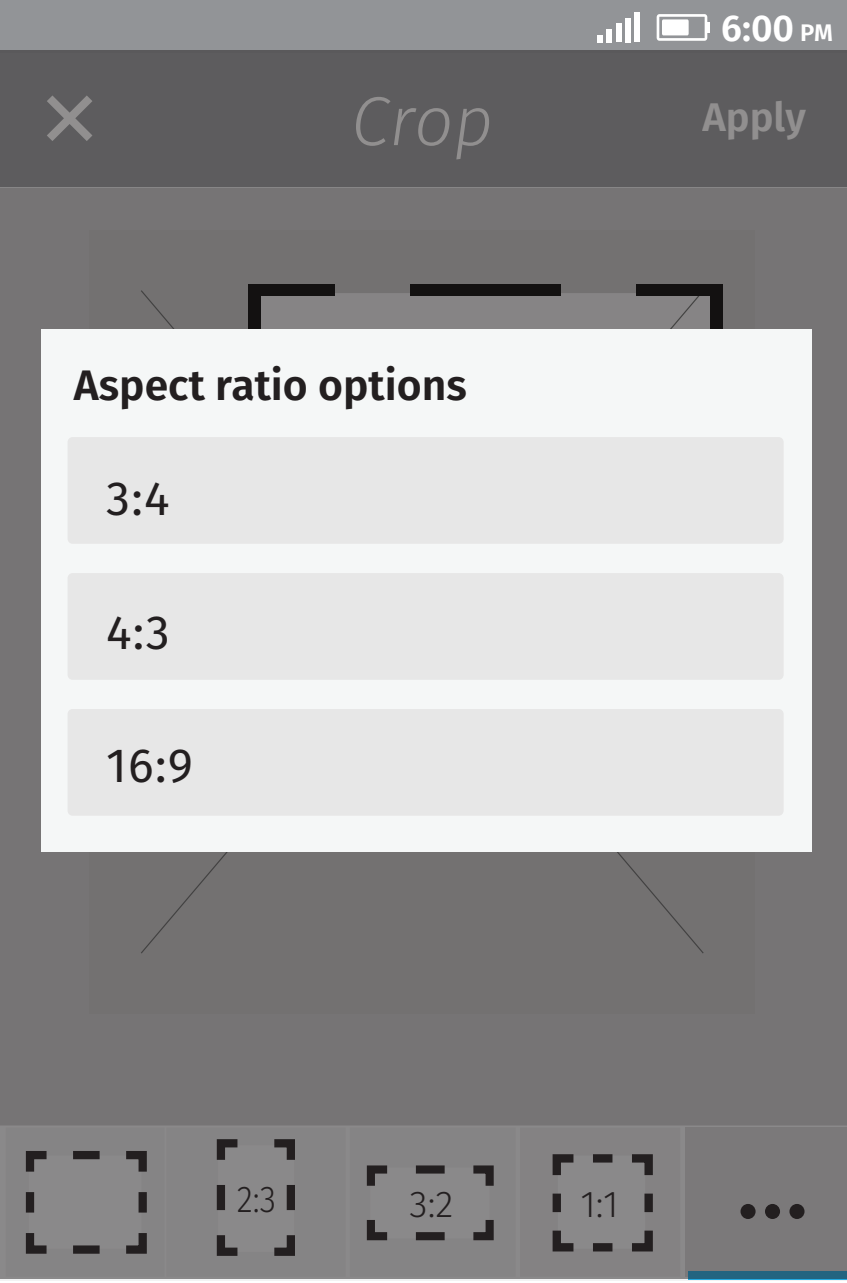
Selecting a specific ratio option limits the aspect ratio of cropping tool

Tapping any of the crop icons a second time (after adjusting the crop handles) reverts image to original, uncropped state (behaves as it does now).

Note: New crop ratio overflow icon has been added to toolbar.

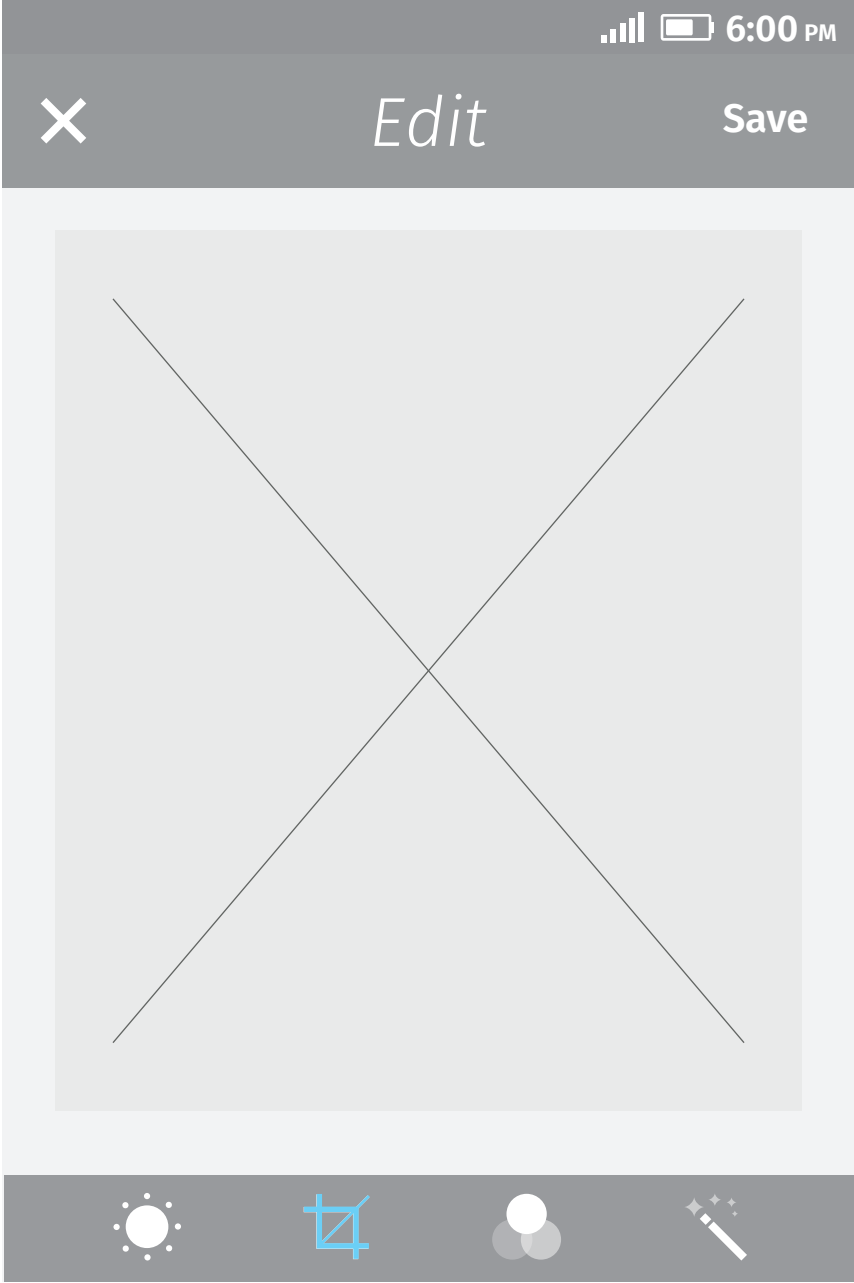
2.2 Note/Question:
Could cropped area zoom in after user makes edits - so user can see greater detail/have more control over specific crop? This would allow more user control and allow very specific / small area cropping

04. Mode: Crop : OverFlow Aspect Ratio



Offer more aspect ratio choices to the user. See UX rational on next page

05. Editor - with Crop



Crop icon changes to “ON” state if the original image has been cropped within the Edit session (image has not yet been Saved)

“Save” returns user to Single Image View with updated image preview with confirmation banner.

Notes

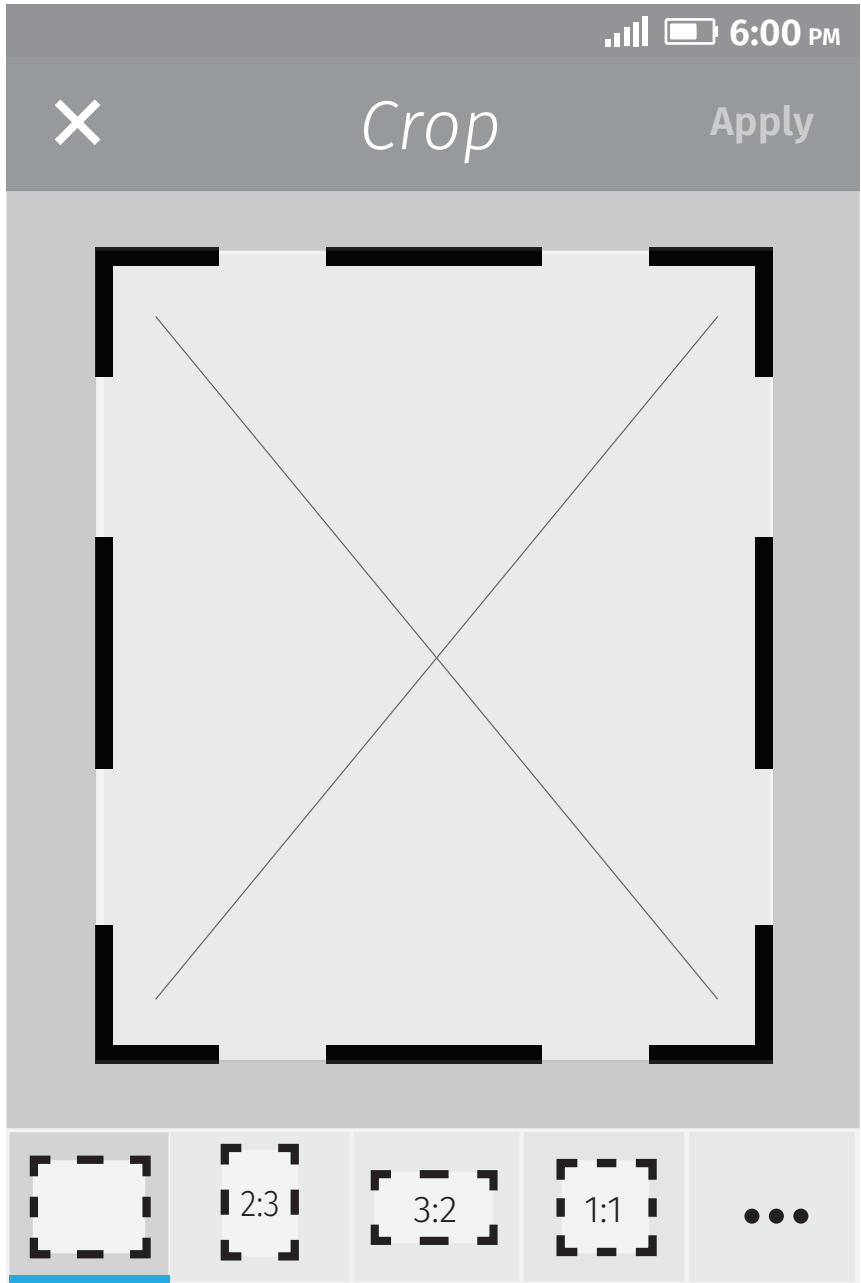
Quick Summary

Crop allows users to change to size of the image by masking (hiding) a portion of the original image.

- A Mode Controls: Crop Options**
Based on current crop options. From Left to right: Free Crop, 2:3, 3:2, 1:1, ... which opens to offer 3:4, 4:3, and 16:9
- B Crop Handles**
To avoid complication with left to right swipe gesture for navigating between apps, scale image slightly and, if possible, place crop handles INSIDE image frame.

Gallery - Edit Mode : Crop Flow

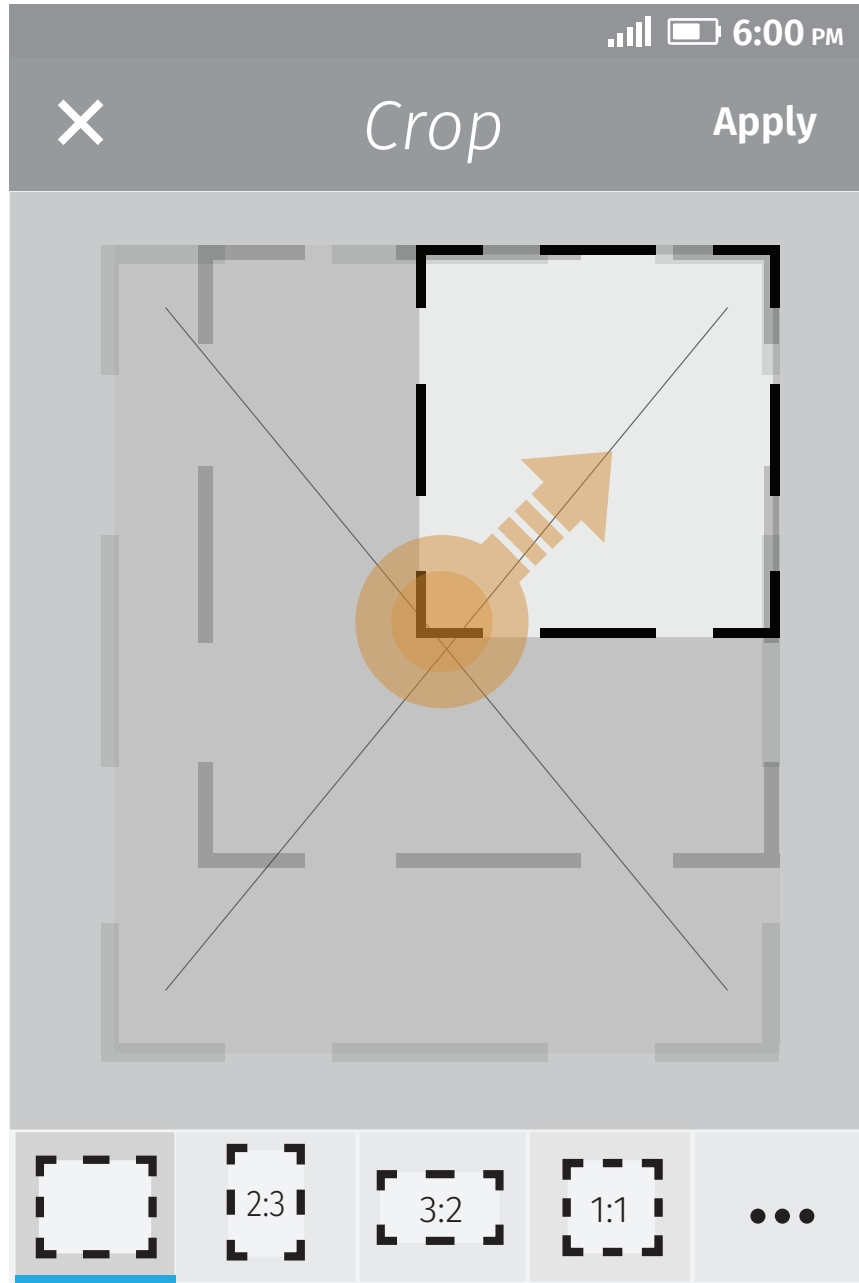
1. Mode: Crop



default state : image at 100% with crop handles at outer edges of image

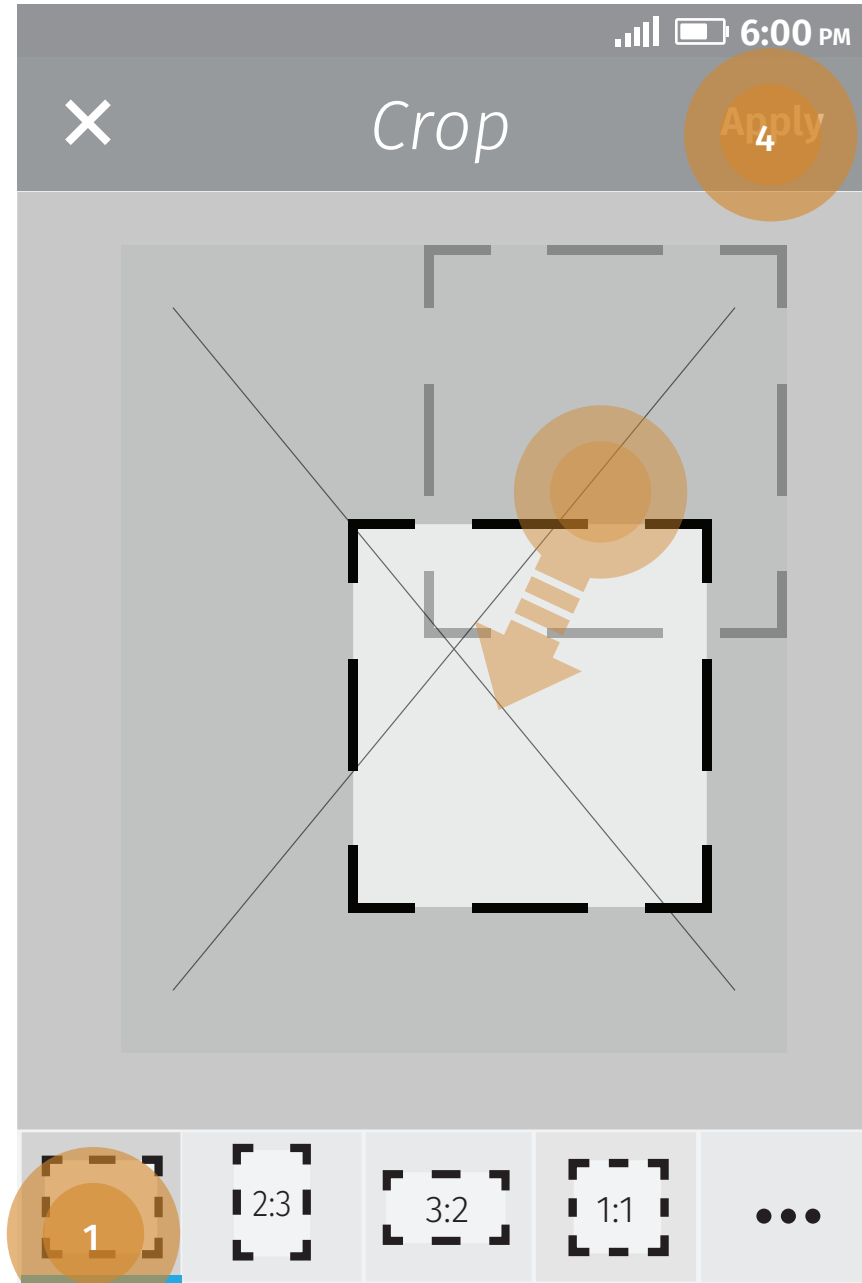
.....

2. Mode: Crop - Resize



User drags crop handles to smallest size (behaves as 2.1 release).

3. Mode: Crop - Reposition



User drags image area to reposition crop.

User taps “Apply” when satisfied with crop [4].

Tapping the crop icon resets crop to default state [1].

4. Editor - with Applied Crop

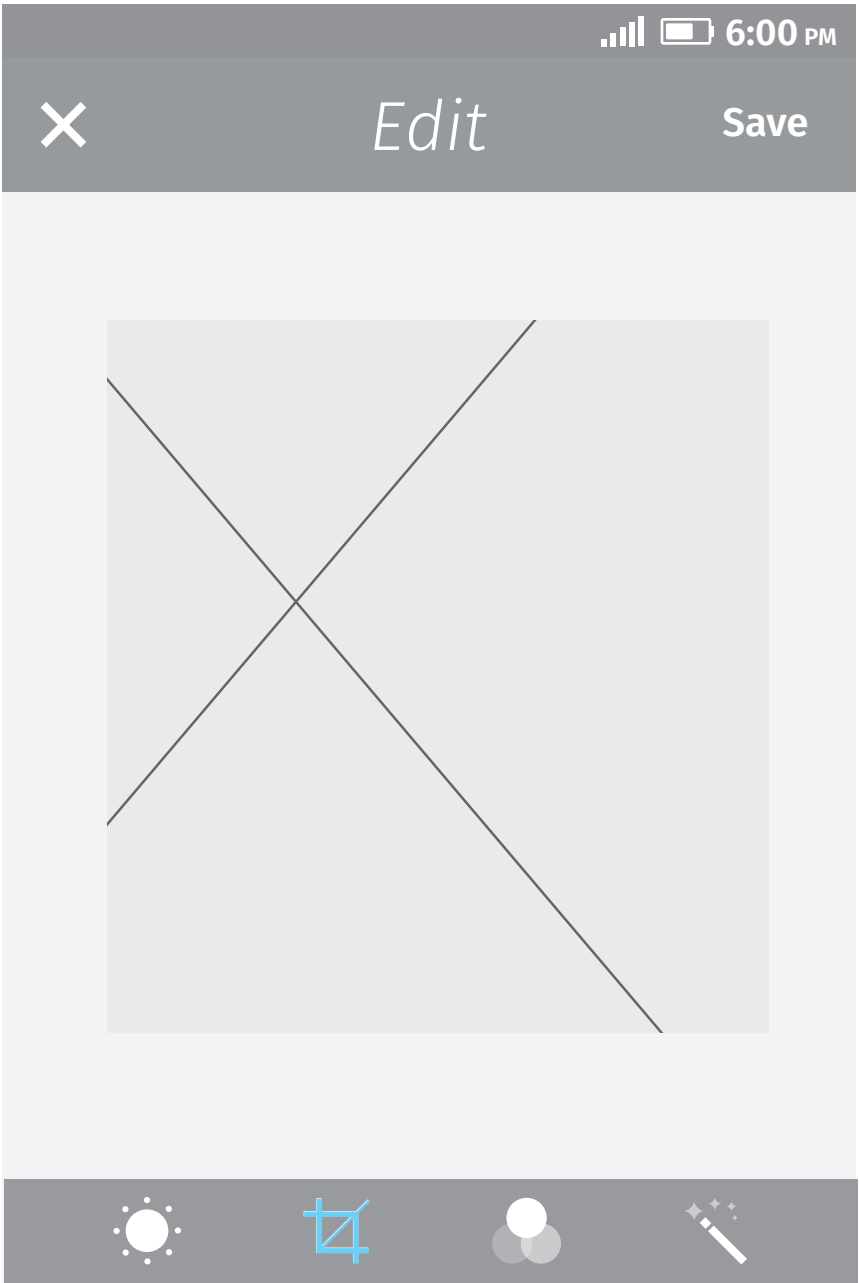
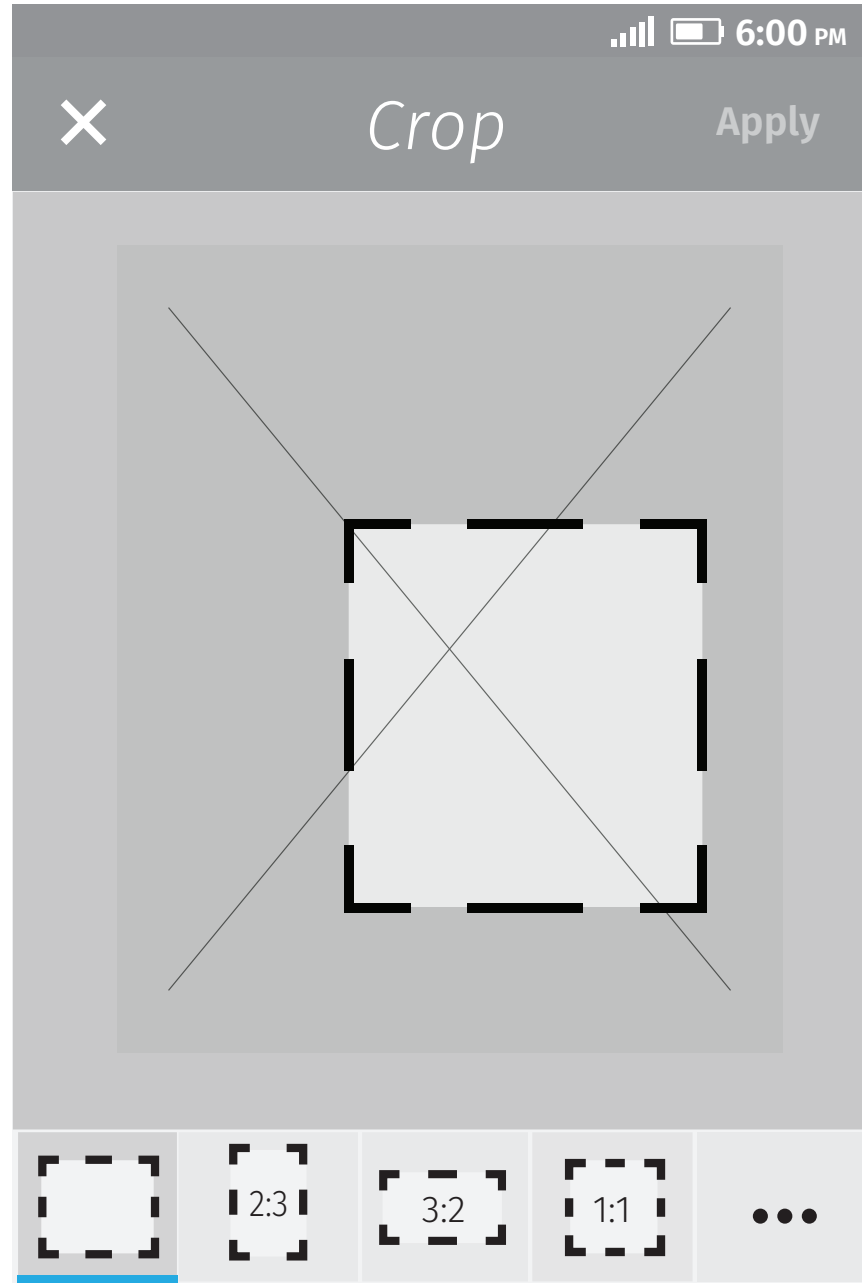


Image appears in Editor with applied crop and resizes to fit within margin limits of image preview

Crop icon changes to “ON” state as the original image has been cropped within the Edit session (image has not yet been Saved)

“Save” returns user to Single Image View with updated image preview with confirmation banner.

5. Mode: Crop - Retained Crop



If the user returns to the crop feature, within the Edit session (user has not yet “Saved” their edits), image is opened showing original image size with crop position remembered.

“Apply” is disabled until the user makes a change.

Tapping “x” cancels out of Crop feature and returns user to 4. Editor - with crop

Notes

Functionality and feature changes from 2.1 to proposed 2.2:

1. Remove “undo/back” button

UX Rationale:
The user can easily resize crop handles to original image edges. Additionally, the user can tap the icon for a second time and the crop will reset itself to it’s default position.

2. Retain original image and crop settings within Edit session when user returns to crop feature.

UX Rationale:
The user may want to change their crop after seeing it in Edit Preview [4] and/or applying other effects. If the user has not yet saved their edits, returning to the crop feature should display image in the same way that the edit was initially made [3].

Note: While the ability to continually crop an image in a single session, down to a very tiny size, is possible in 2.1, this functionality will no longer exist in 2.2 (unless we change the crop mode on a more technical level, ex: having zoom capability). Considered to be an edge case, if the user wants to crop their image smaller than the minimum size allowed, they will have the option to edit the saved edited copy and crop smaller from there.

3. Introduce additional aspect ratios

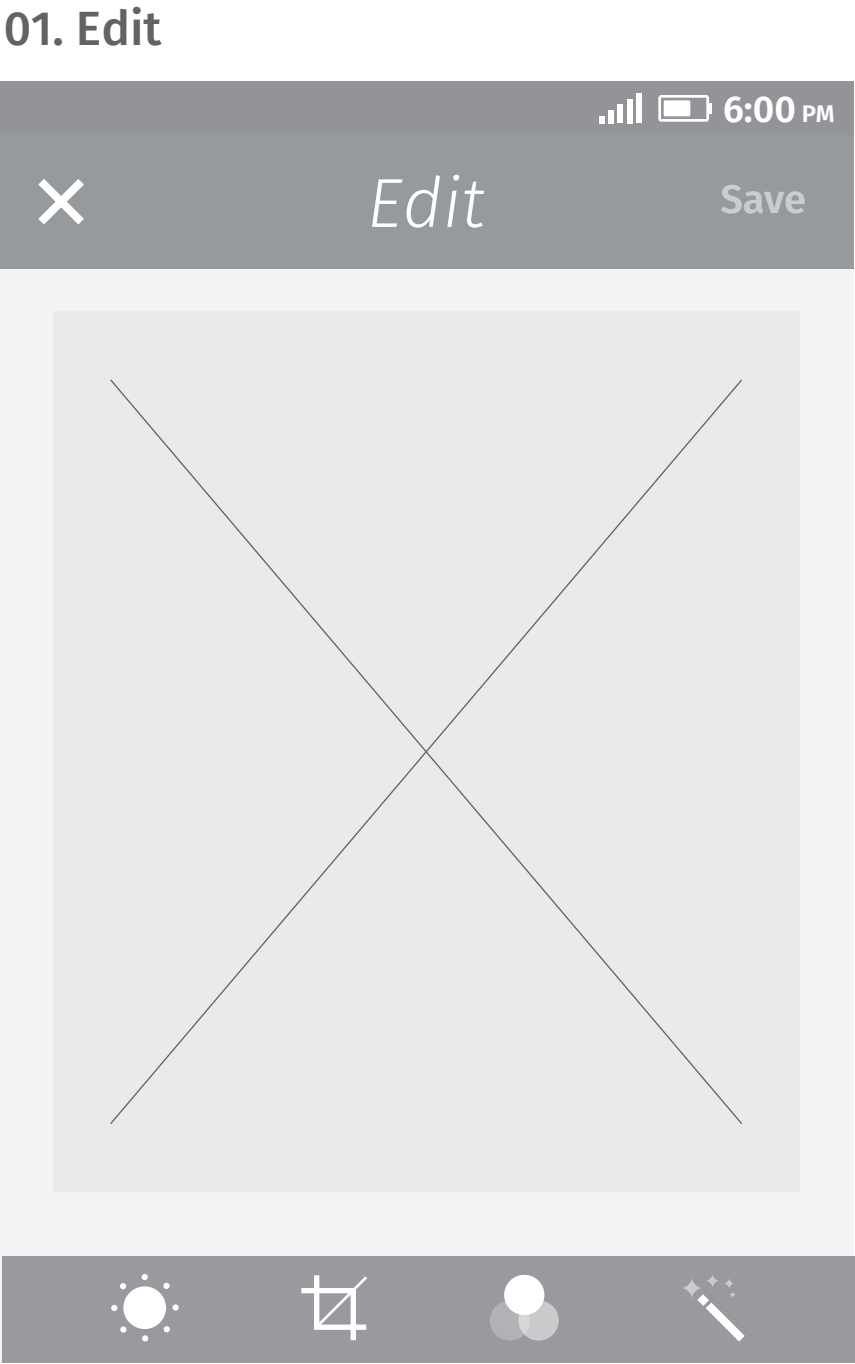
UX Rationale:
4:3 / 3:4
This is default aspect ratio for many cameras. Offer both landscape and portrait options to the user

16:9 is common for display for widescreen monitors, and, became “popular due to the prevalence of 16:9 aspect ratio displays in the home – tvs, computer monitors, mobile devices.”

<http://digital-photography-school.com/aspect-ratios-in-landscape-photography/>

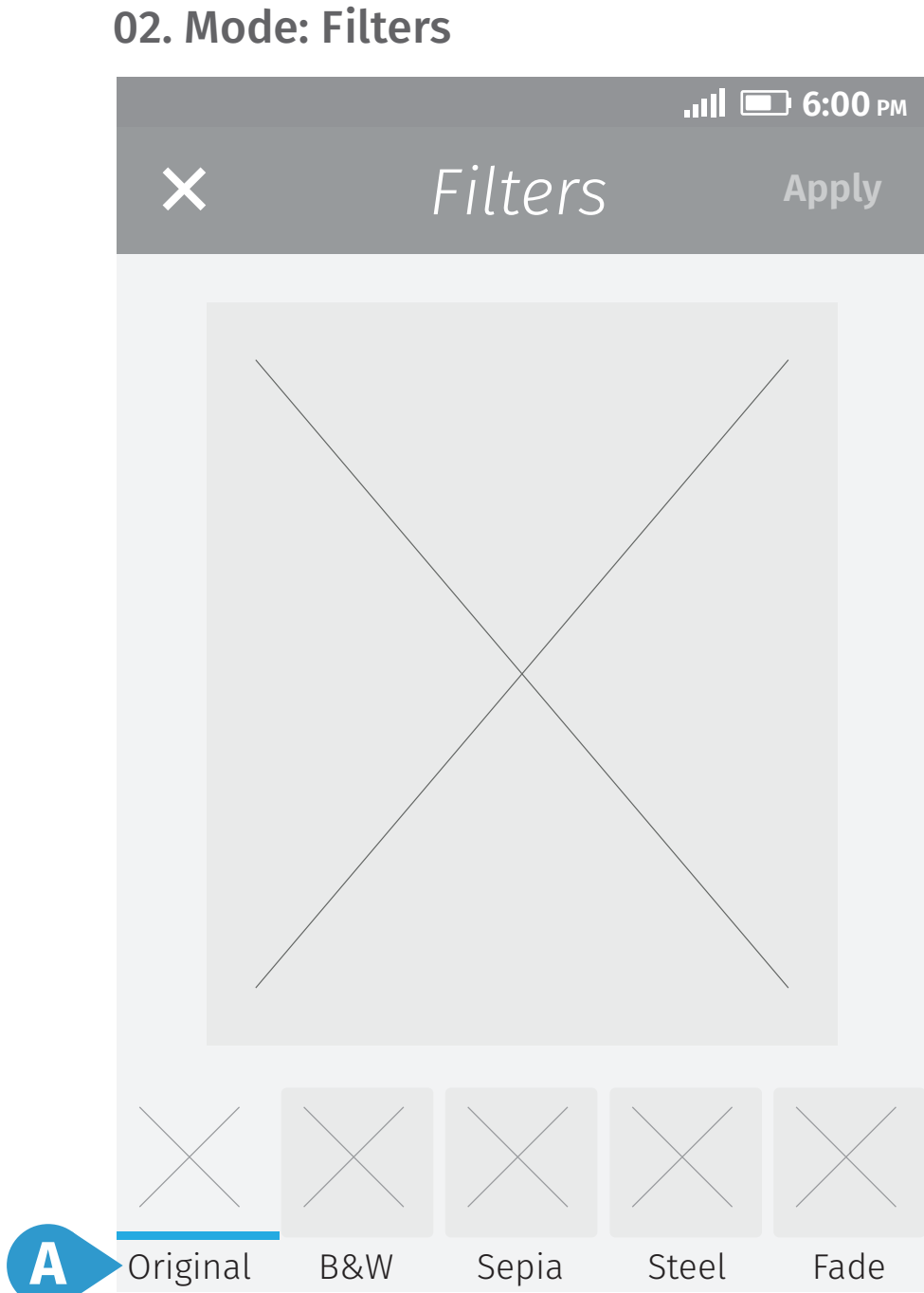
other sources
http://en.wikipedia.org/wiki/Display_aspect_ratio

Gallery - Edit Mode : Filters



Modes:
Exposure, Crop, Filters, Auto- Enhance

“Save” is disabled until an edit has occurred.

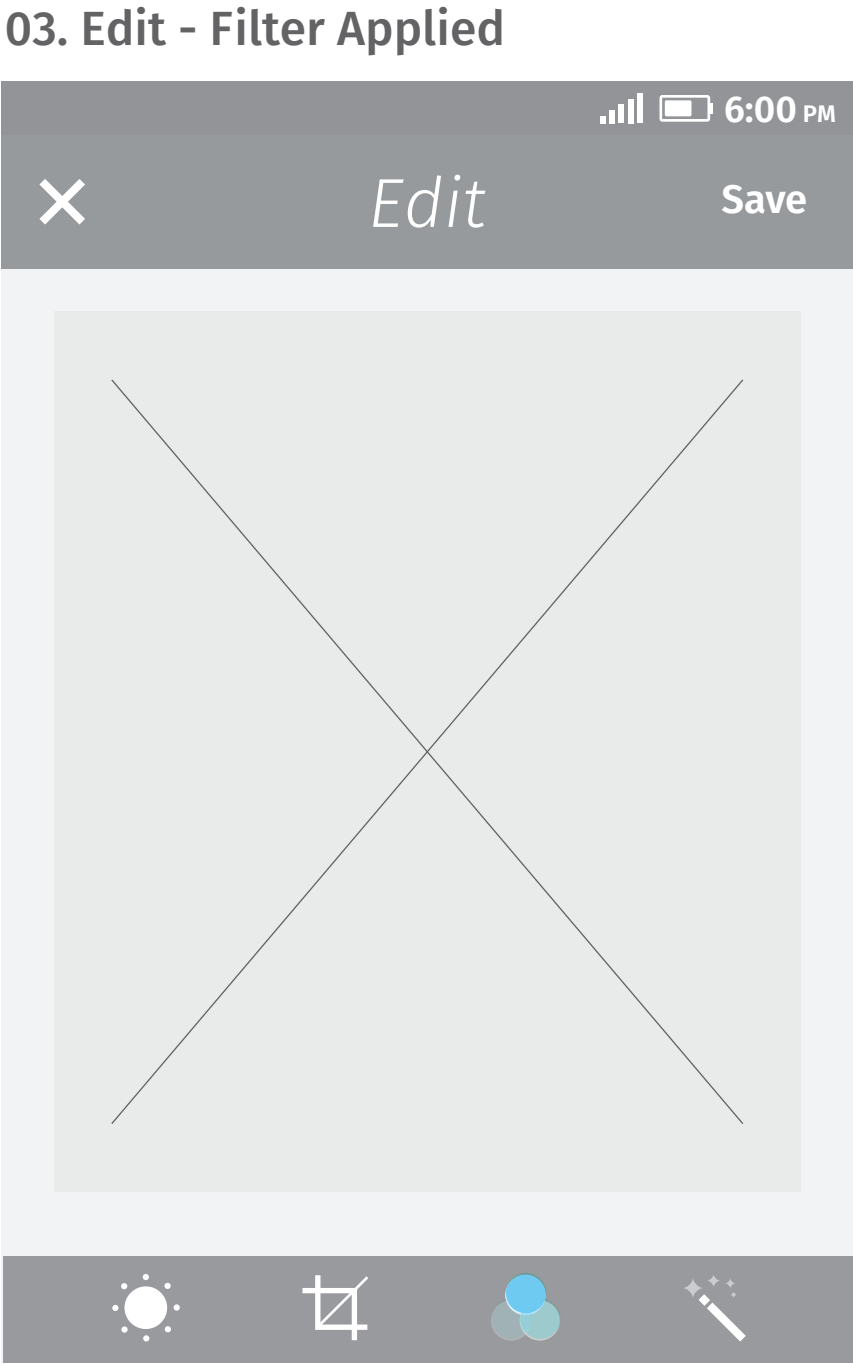


Defaults to Original highlighted in toolbar

“Apply” option is disabled [grayed out] until first edit has occurred.

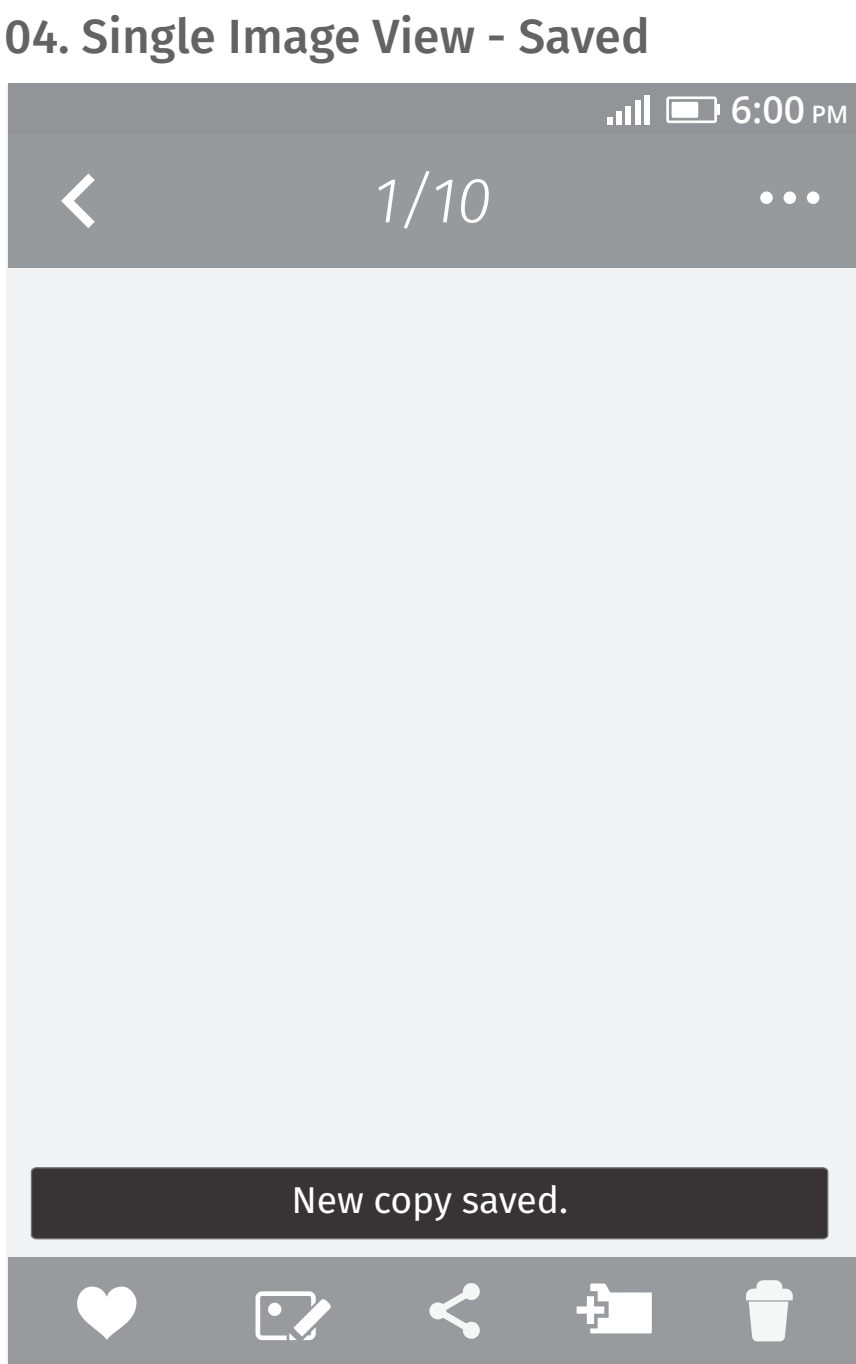
Once edits have been made, “Apply” becomes active and tapping “Apply” returns to 03. Editor screen with changes to image

2.2 Note:
Filter (effects) rendering require an update, strings may require change once filters are enhanced (by visual design).



Filter icon changes to “ON” state if the original image has been edited.

“Save” returns user to Single Image View with updated image preview



Display Confirmation banner that a copy has been saved. Confirmation banner fades away after 2 seconds.

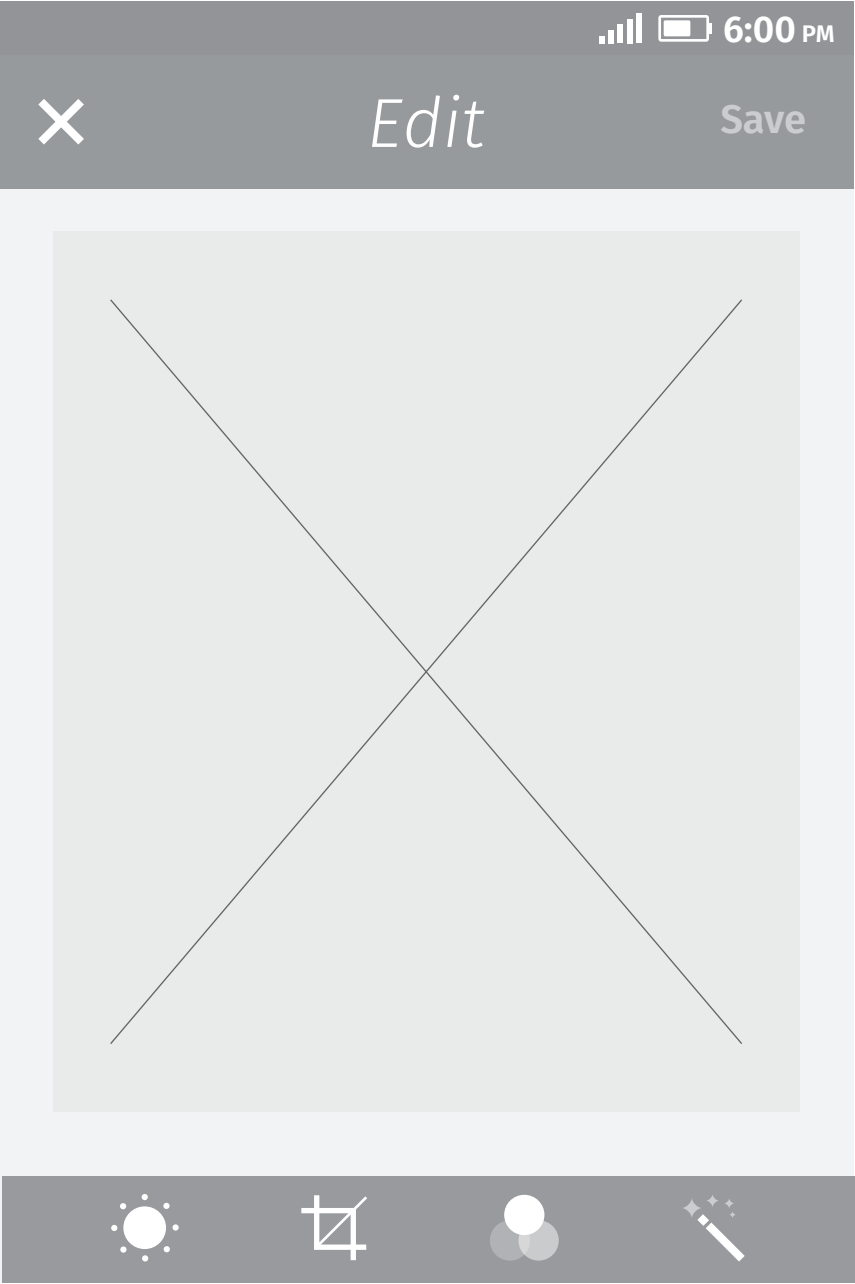
Notes

Quick Summary
There are 4 preset filters, plus the option to revert to original image.

A Labels Added
Add labels below each filter, including “Original” where no filter has been added. The label shows the filter name so users understand what the icon does. Labels are consistent for Exposure, Crop & Filters

Gallery - Edit Mode : Auto-Enhance

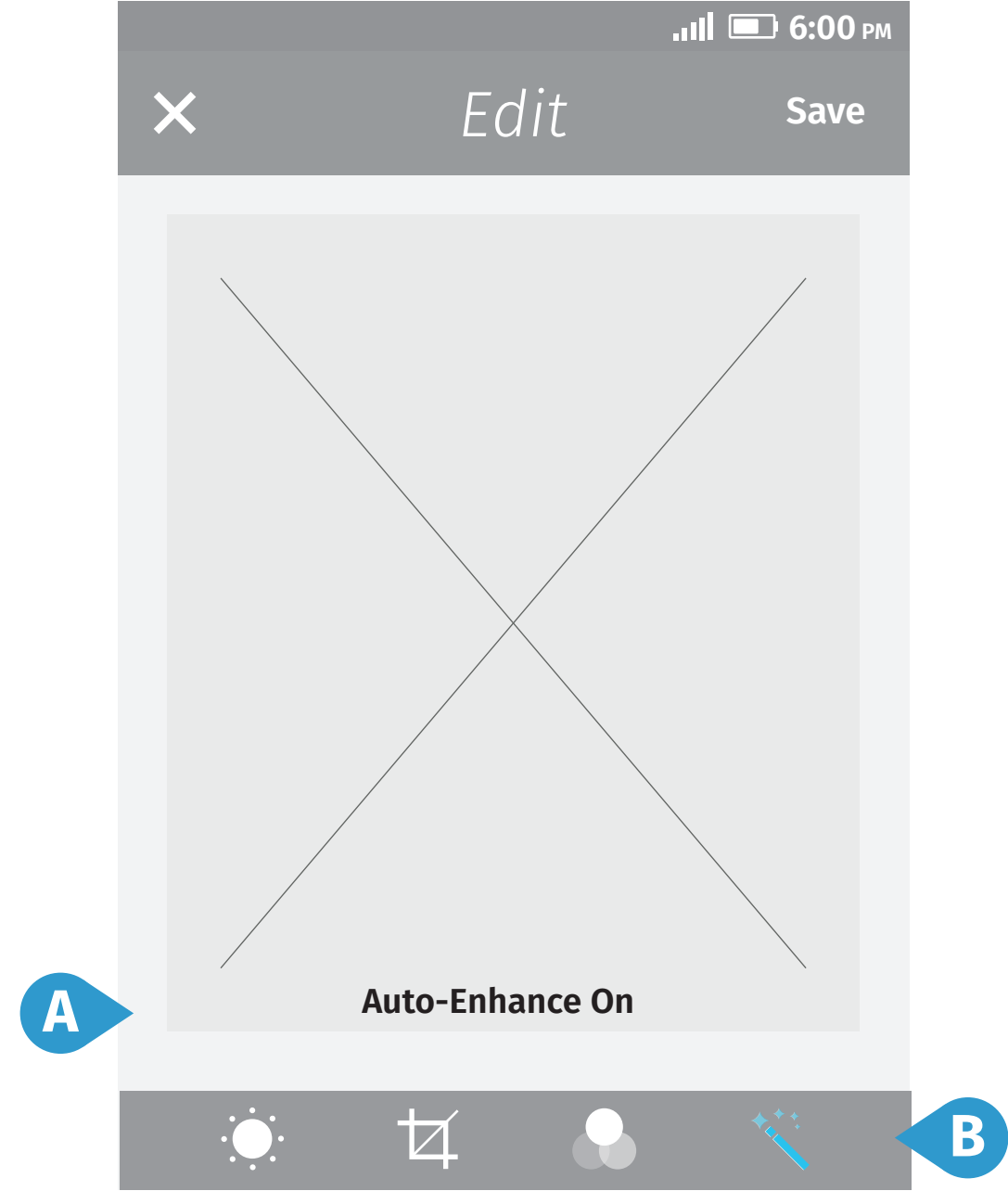
01. Edit



Modes:
Exposure, Crop, Filters, Auto- Enhance

“Save” is disabled until an edit has occurred.

02. Enabled Auto-Enhance



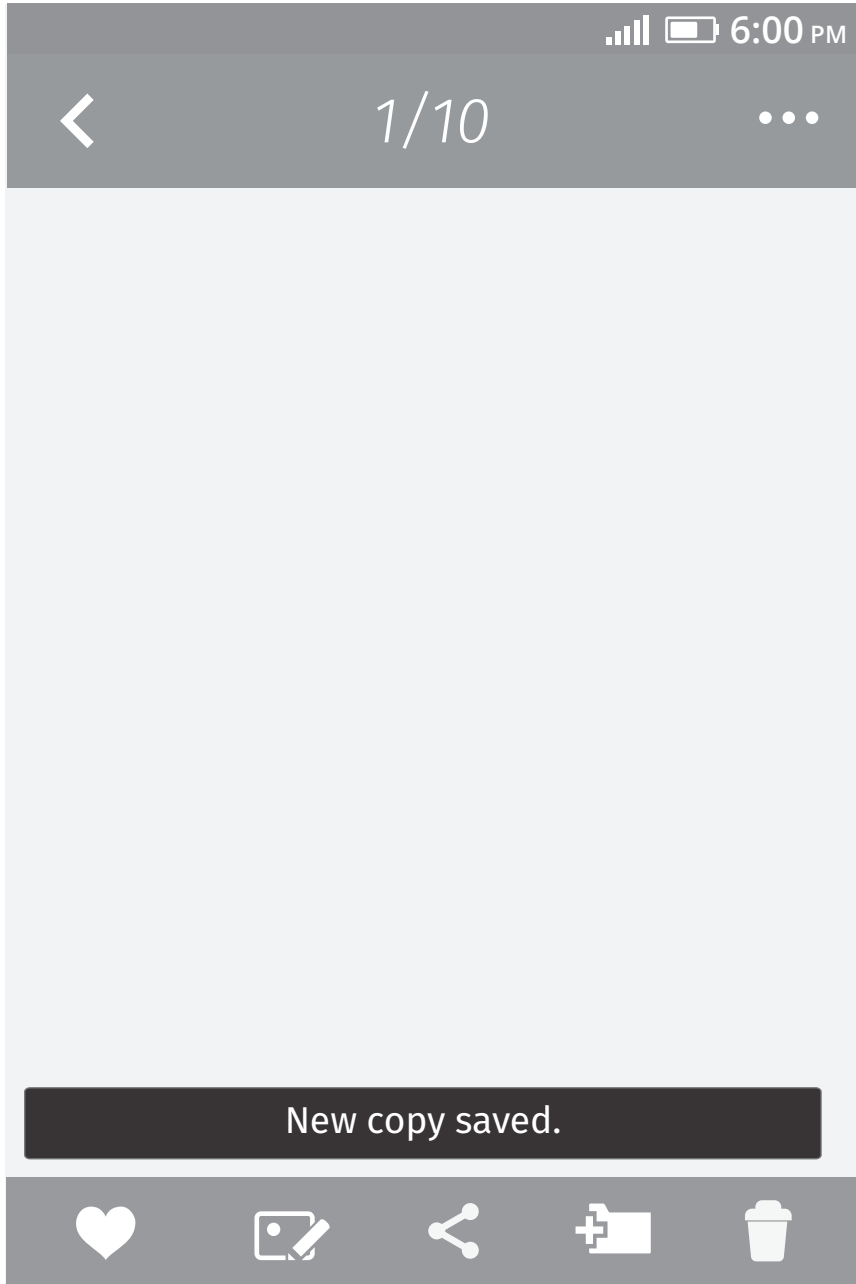
The Auto-Enhance icon itself is a toggle and reflects the current state. Each time tapped, the state is toggled.

Tapping the Auto-Enhance icon displays a textual confirmation (A) and the icon changes to the ON state. Text fades out in 3 seconds.

Tapping the Auto-Enhance icon again disables the feature and a textual confirm appears “Auto-Enhance Off”. Icon returns to default OFF state.

Tapping “Save” returns to Single Image View

03. Single Image View - Saved



Display Confirmation banner that a copy has been saved. Confirmation banner fades away after 2 seconds.

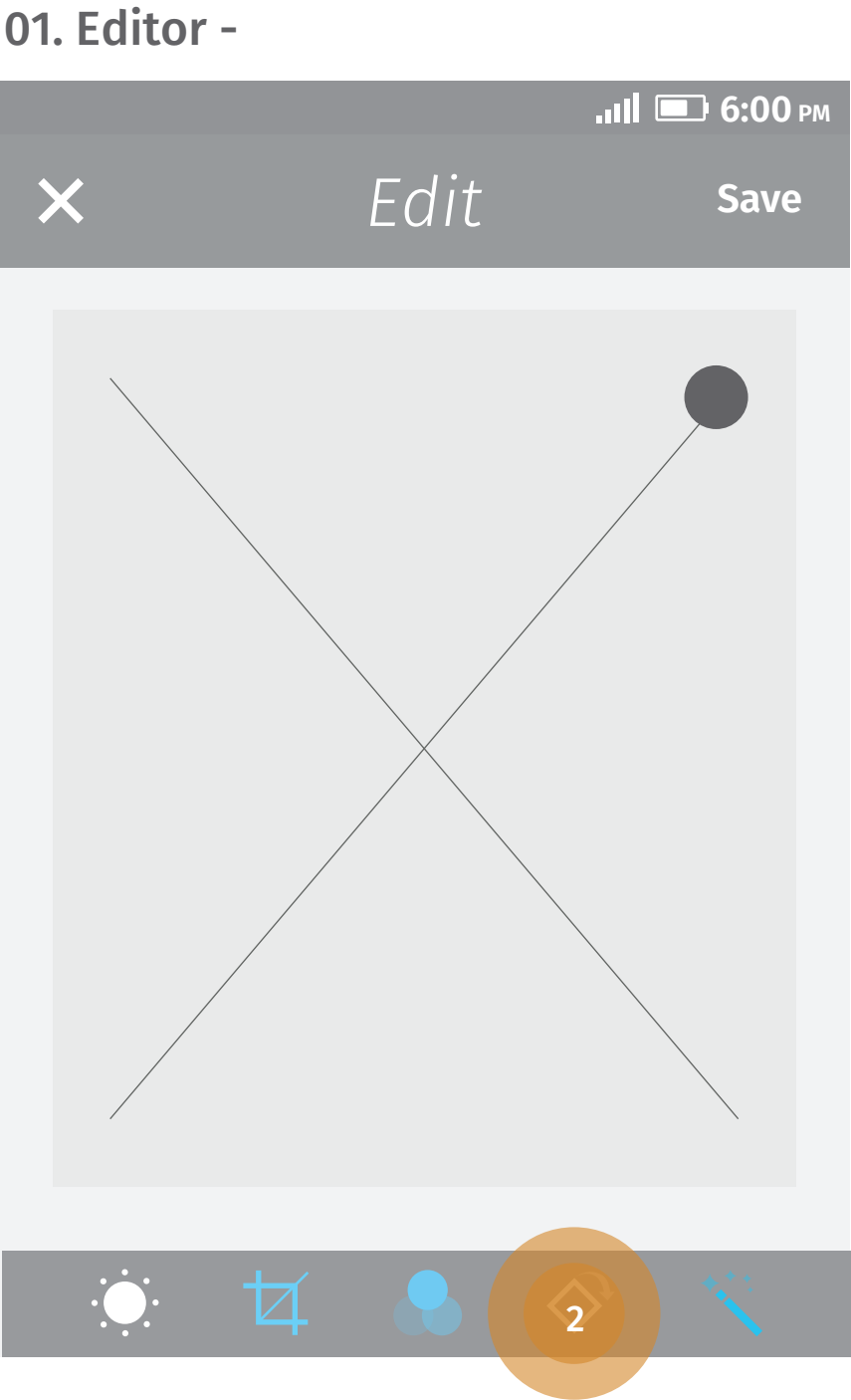
Notes

Quick Summary
Auto-Enhance is 2 state edit mode. Auto-Enhance is, by default, set to OFF. Tapping the Auto-Enhance icon in the toolbar turns Auto-Enhance ON. Image will change to reflect ON state and the icon in the toolbar will reflect that an edit has been made.

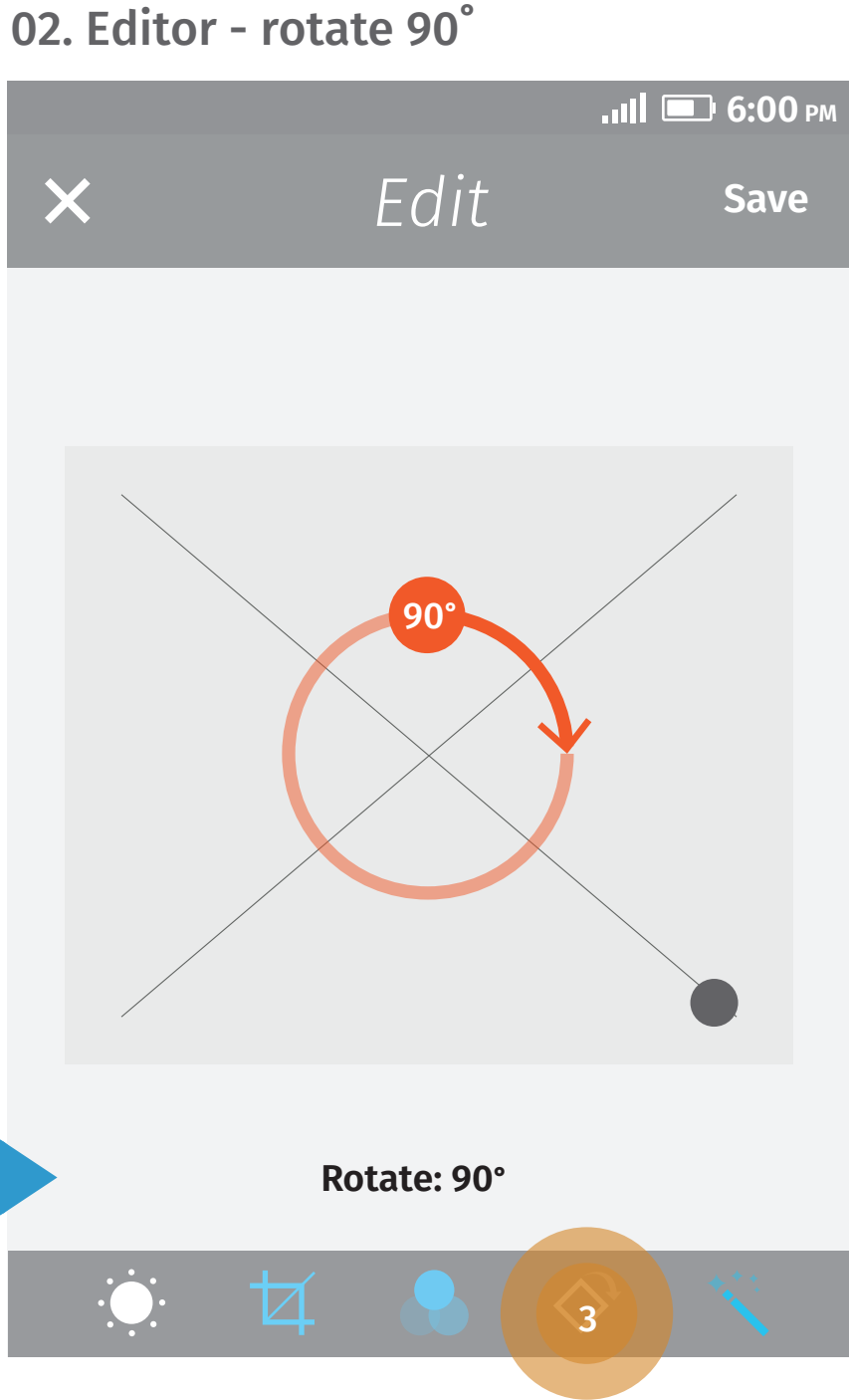
A Confirmation/Display Text
The text shows the feature name so users understand what the icon does. This also shows the current state - on or off - in addition to the icon. Displays for 3 seconds after the setting (on/off) has been selected

B Toolbar Icons
Toolbar icons have 2 states: On/Off

Gallery - Edit Mode : Rotate



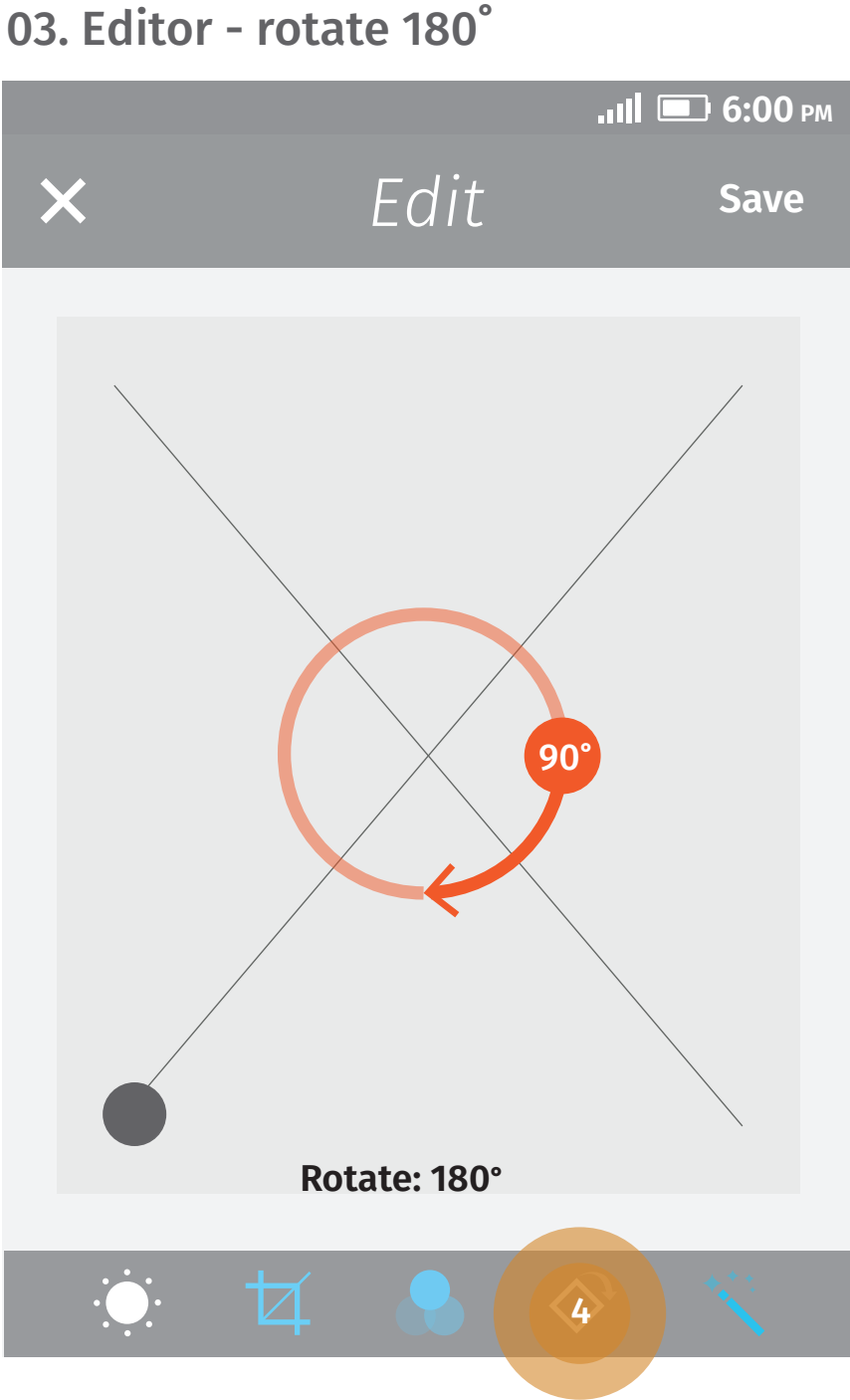
Update:
Add 5th icon for rotate effect



Tapping the rotate icon rotates the image in a clockwise direction at 90° increments.

Tapping the Rotate icon displays a textual confirmation (A) and the icon changes to the ON state. Text fades out in 3 seconds.

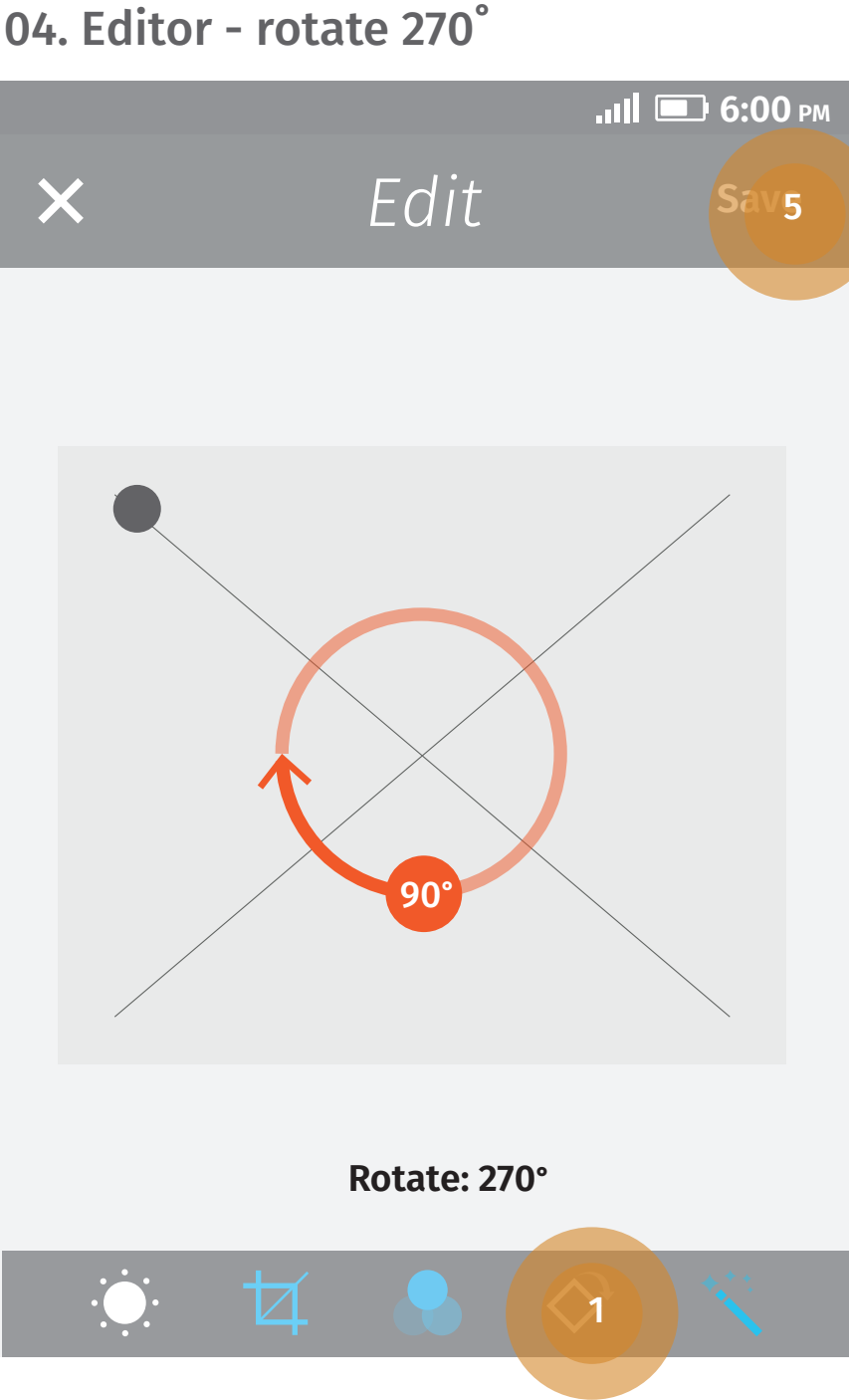
Rotate icon becomes highlighted (on) for any rotation other than the original setting.



Tapping the rotate icon a second time rotates the image in a clockwise direction at another 90° increment.

Tapping the Rotate icon displays a textual confirmation (A) and the icon changes to the ON state. Text fades out in 3 seconds.

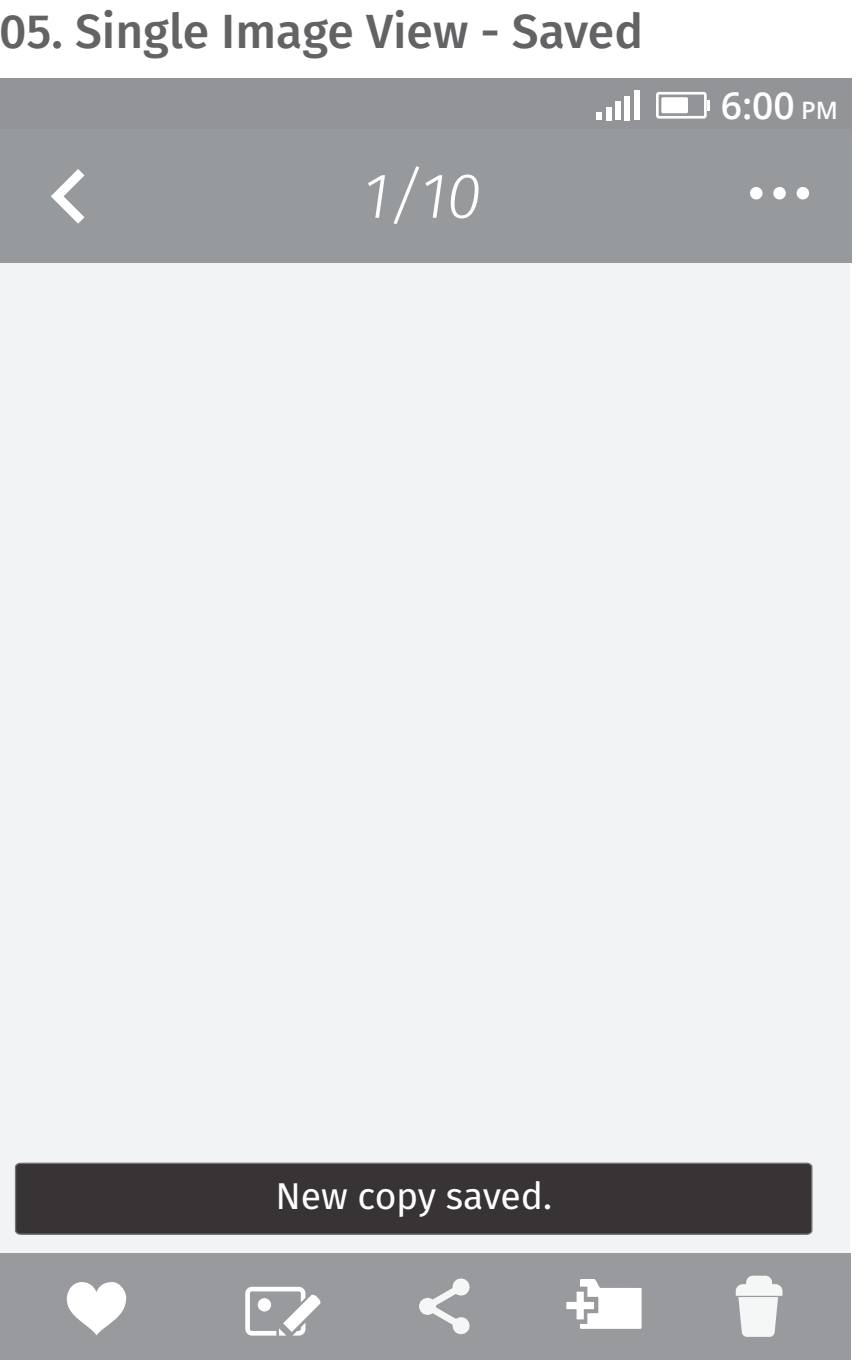
Rotate icon becomes highlighted (on) for any rotation other than the original setting.



Tapping the rotate icon a third time rotates the image in a clockwise direction at another 90° increment.

Tapping the Rotate icon displays a textual confirmation (A) and the icon changes to the ON state. Text fades out in 3 seconds.

Rotate icon becomes highlighted (on) for any rotation other than the original setting.



Display Confirmation banner that a copy has been saved. Confirmation banner fades away after 2 seconds.

Notes

Quick Summary

Rotate is 4 state edit mode. Tapping the Rotate icon in the toolbar rotates preview image clockwise in 90° increments. Image will rotate with each tap and the icon in the toolbar will reflect that an edit has been made.

A Confirmation/Display Text

The text shows the feature name so users understand what the icon does. Confirmation also shows the current state - 90°/180°/270° and displays for 2 seconds after the setting has been selected

Toolbar Icons

Toolbar icons have 2 states: On/Off

Thanks!

From your friends in Firefox OS UX

Gallery - Edit Mode : General

01. Editor -

×

Edit

Save

A

When returning to an already edited image, toolbar “remembers” edits and icons indicate if a mode/feature is “On”.

“Save” is disabled until an edit is made.

02. Mode: Filters

×

Filters

Apply

Highlights filter saved from previous edit.

“Apply” option is disabled [grayed out] until new edit has occurred.

ON HOLD

Notes

Quick Summary
Multiple edit modes (ex: Crop, Filter and Auto-Enhance) can be “on” at the same time (layered). After an image is saved to the Gallery, these edits are remembered. Should the user return to edit mode (opening an edited image), all features that were applied (ex: Filter X) are highlighted within each mode.

A **Toolbar Icons**
Toolbar icons have 2 states: On/Off. Toolbar icons reflect previous edits to edited/saved images.

Firefox OS