

CONTEXTUAL POP-UPS, MENUS, PICKERS & TOOL TIPS

MOCHI

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SUMMARY

Contextual pop-ups serve as child windows that appear near the point of initiation.

Use them for:

- Selection from a discreet set of values
- Quick, single step interactions where context should be maintained
- Simple views (such as previews)

Contextual pop-ups provide the building blocks for several Mochi components, including:

Menus: a list of values, state is not retained

Pickers: a list of values, retains state

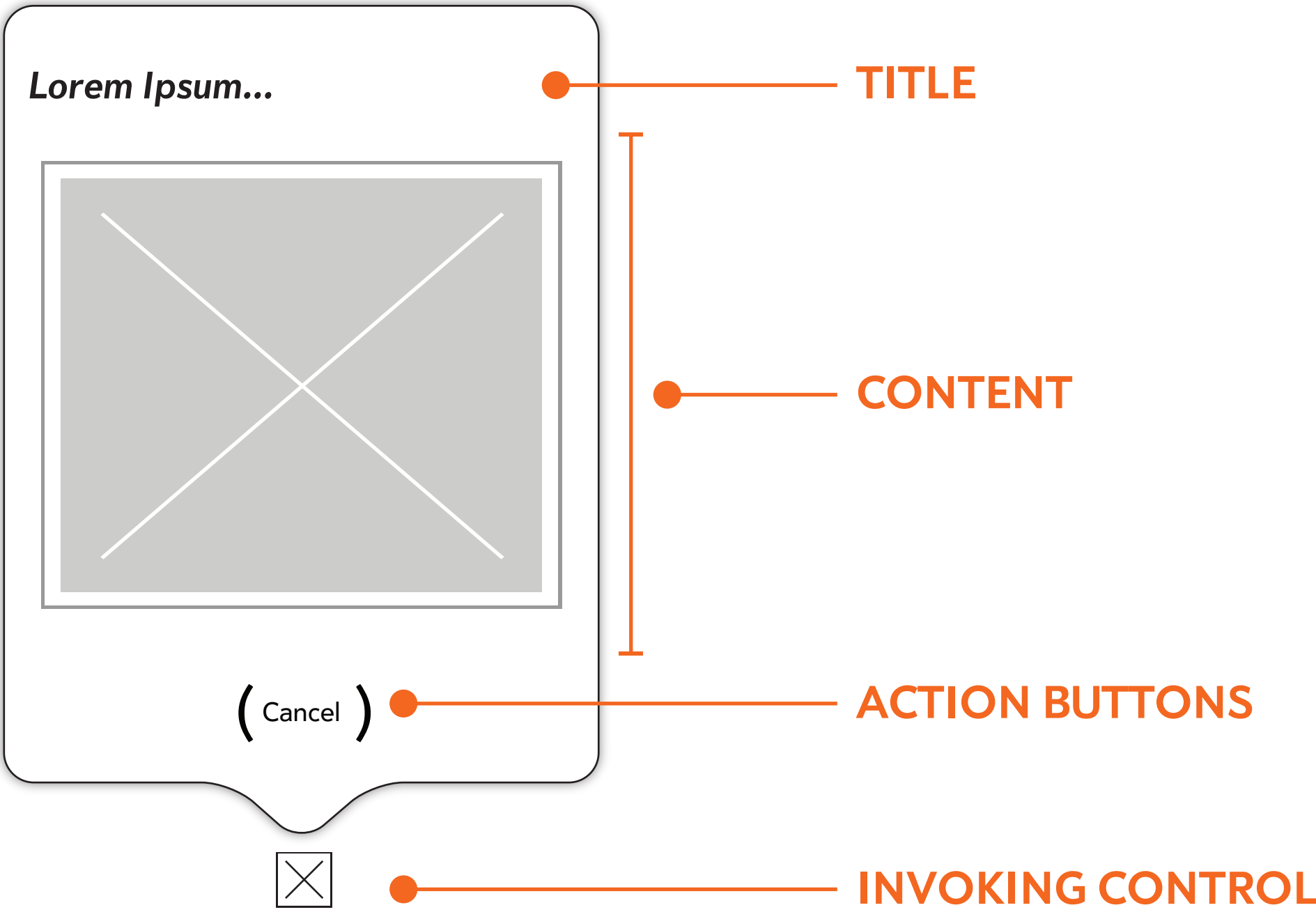
Tool tips: a simple view invoked by mouse hover or press & hold

GOALS

- To introduce Contextual Pop-ups and differentiate their behavior from Shade Pop-ups
- To define behaviors for Pickers, Menus and Tool Tips

CONTEXTUAL POP-UP STRUCTURE

MODELESS



A modeless contextual pop-up can be dismissed by tapping out.

Title
Optional. Does not scroll.

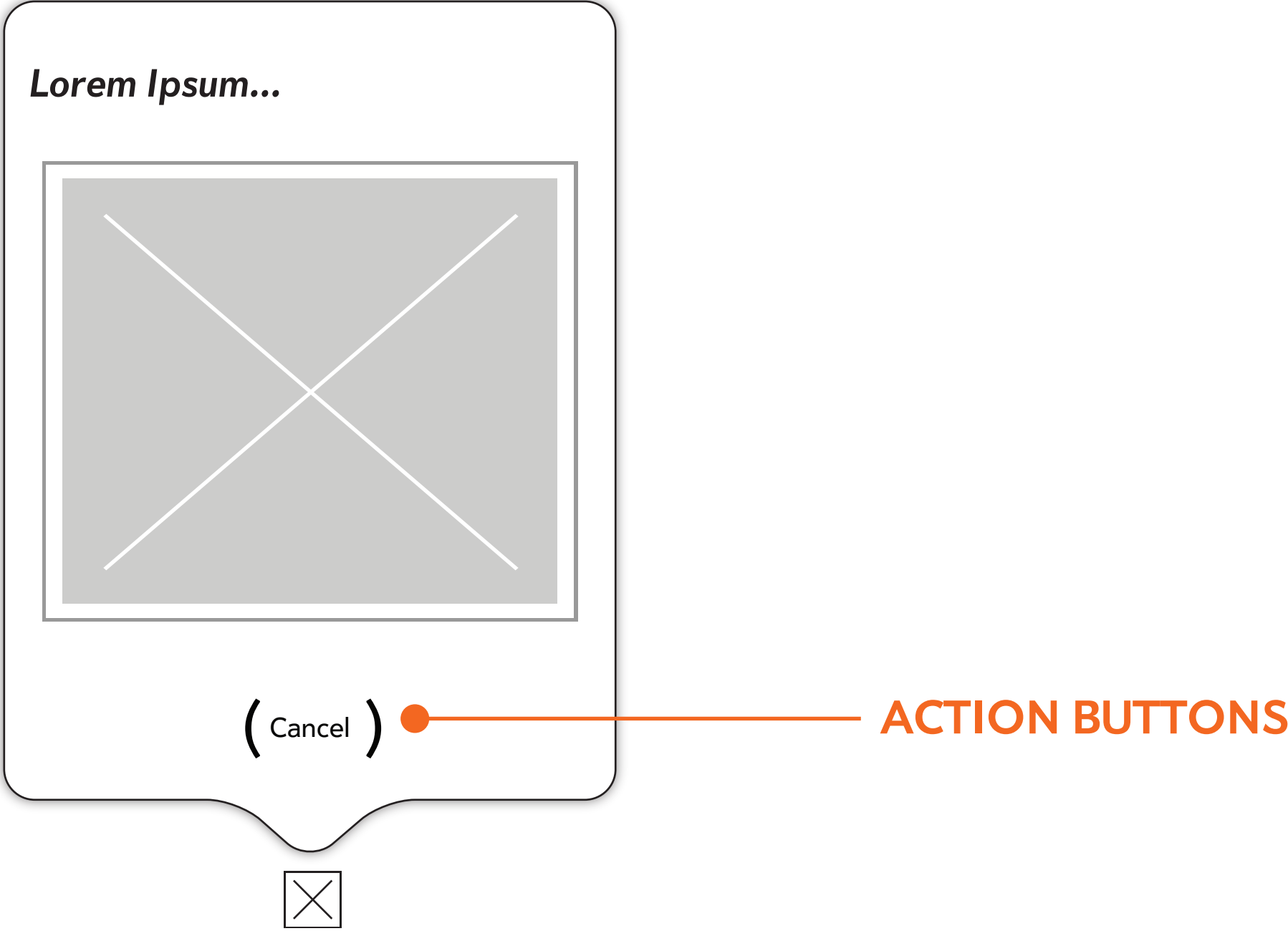
Content
Content will vary. Can contain something actionable (such as a list) or not (such as a preview). Area scrolls as necessary.

Action Buttons
Optional. Cannot be scrolled.

Invoking Control
Optional. Used to explicitly invoke the pop-up. Interaction can vary (e.g tap, press & hold, hover).

Tap Out Behavior
Tapping out dismisses the pop-up. The tap should be ignored and not invoke any control on the screen. This behavior can be changed by developers if necessary.

MODAL



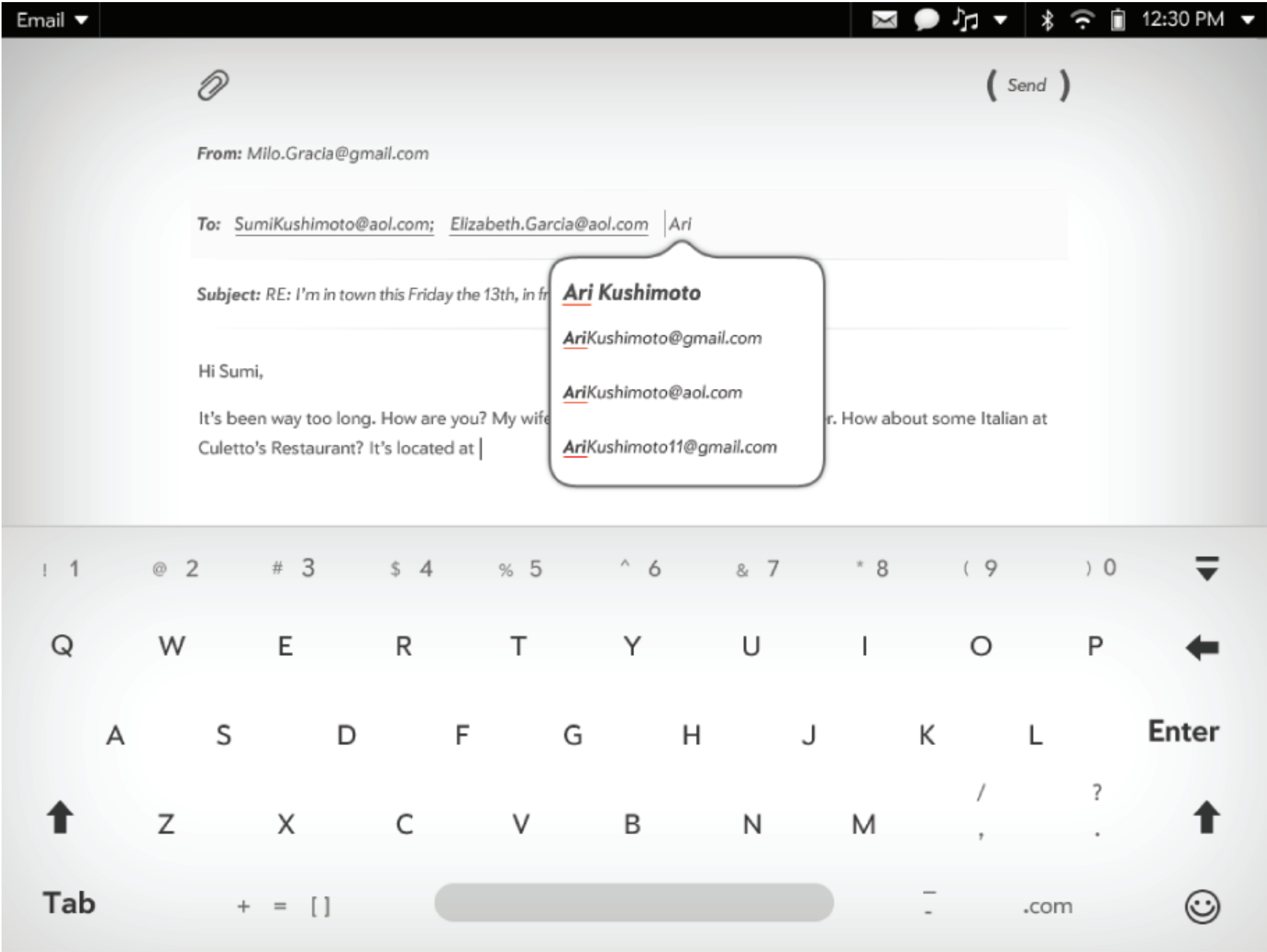
A modal contextual pop-up cannot be tapped out of. The task must be completed to exit.

Modal contextual pop-ups share the same structure as Modeless except:

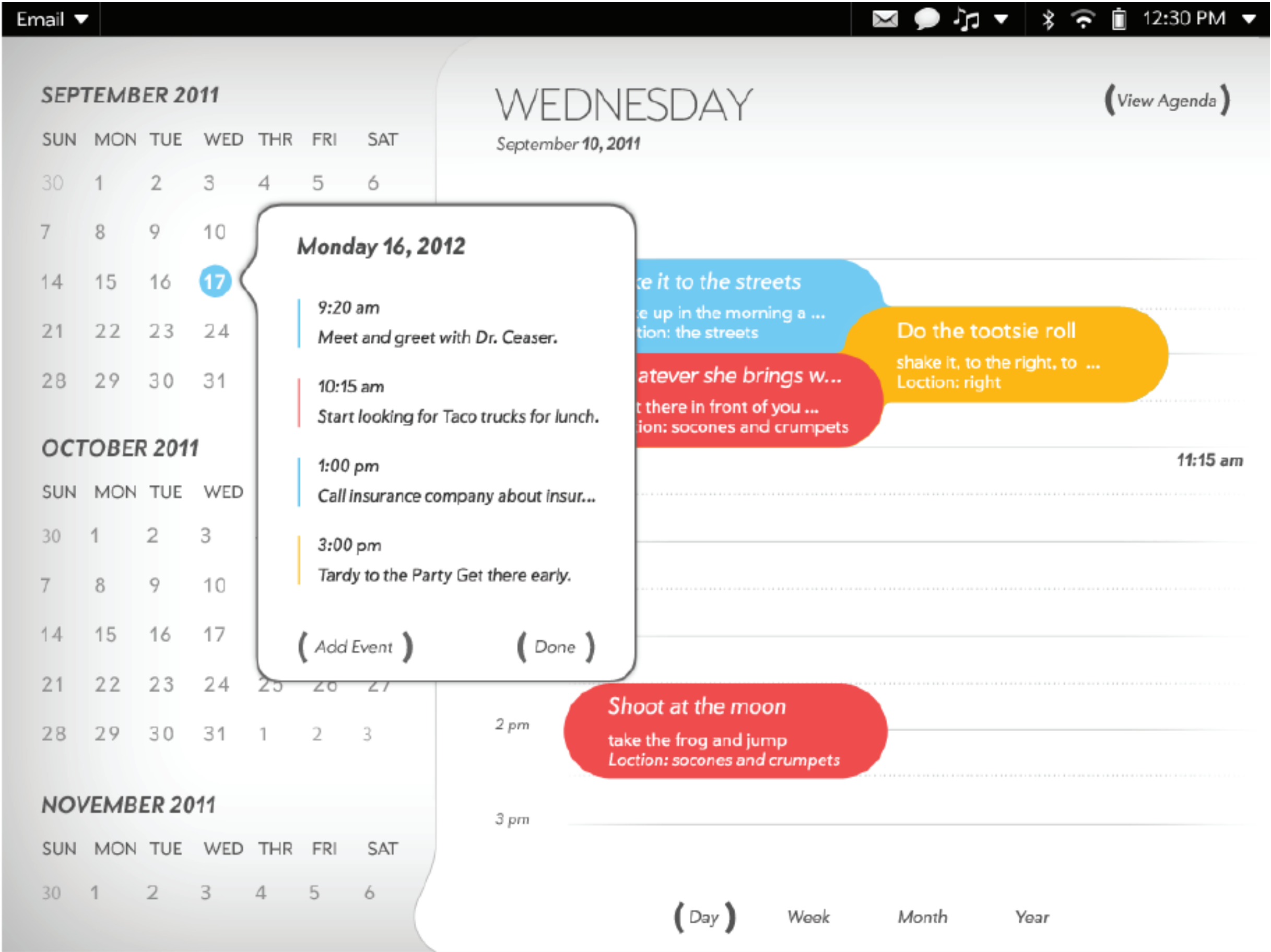
Action Buttons
Required. Used for confirmation or canceling.

VISUAL DESIGN EXAMPLE

MODELESS

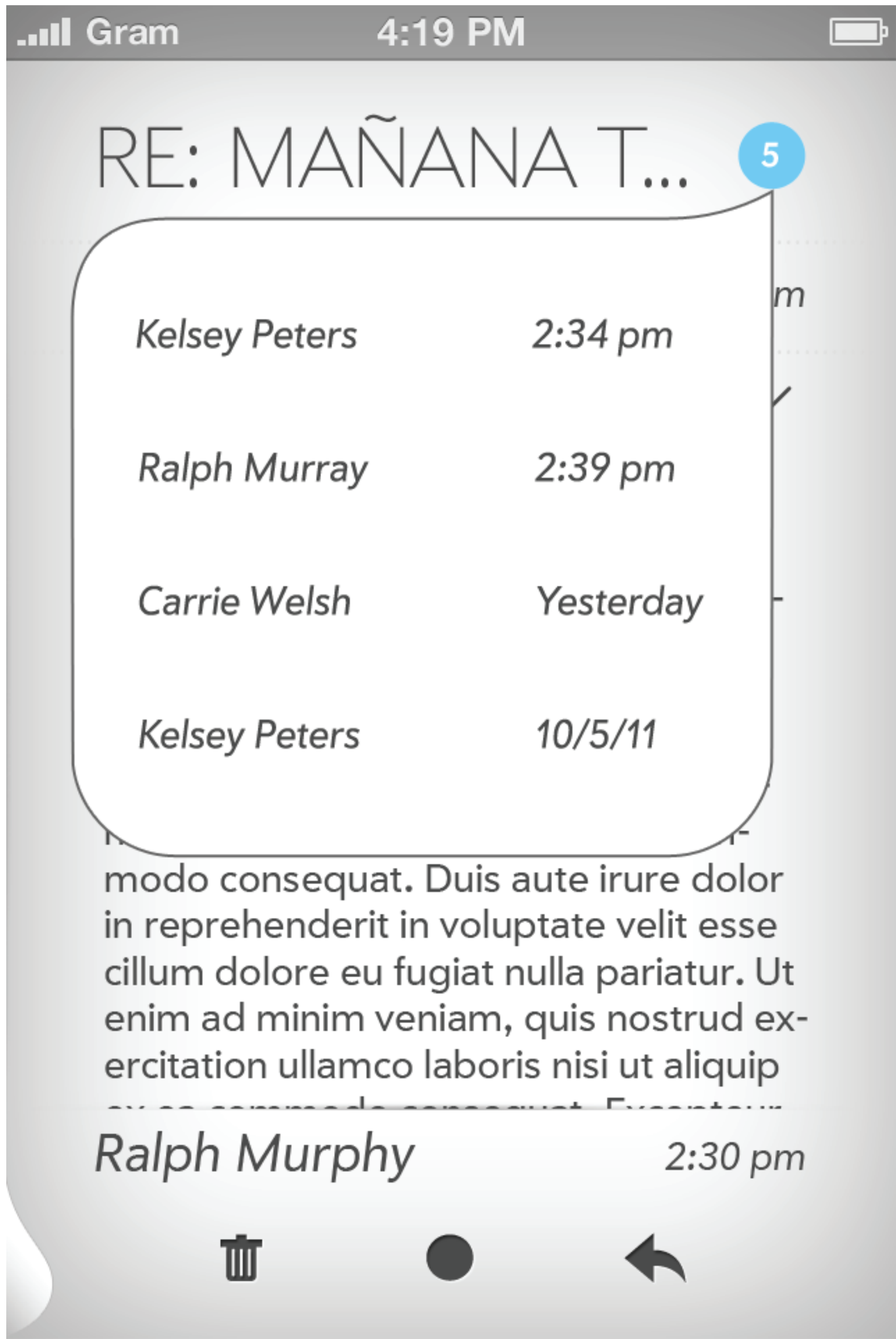


MODAL



VISUAL DESIGN EXAMPLE (CONT.)

POINTED NUB

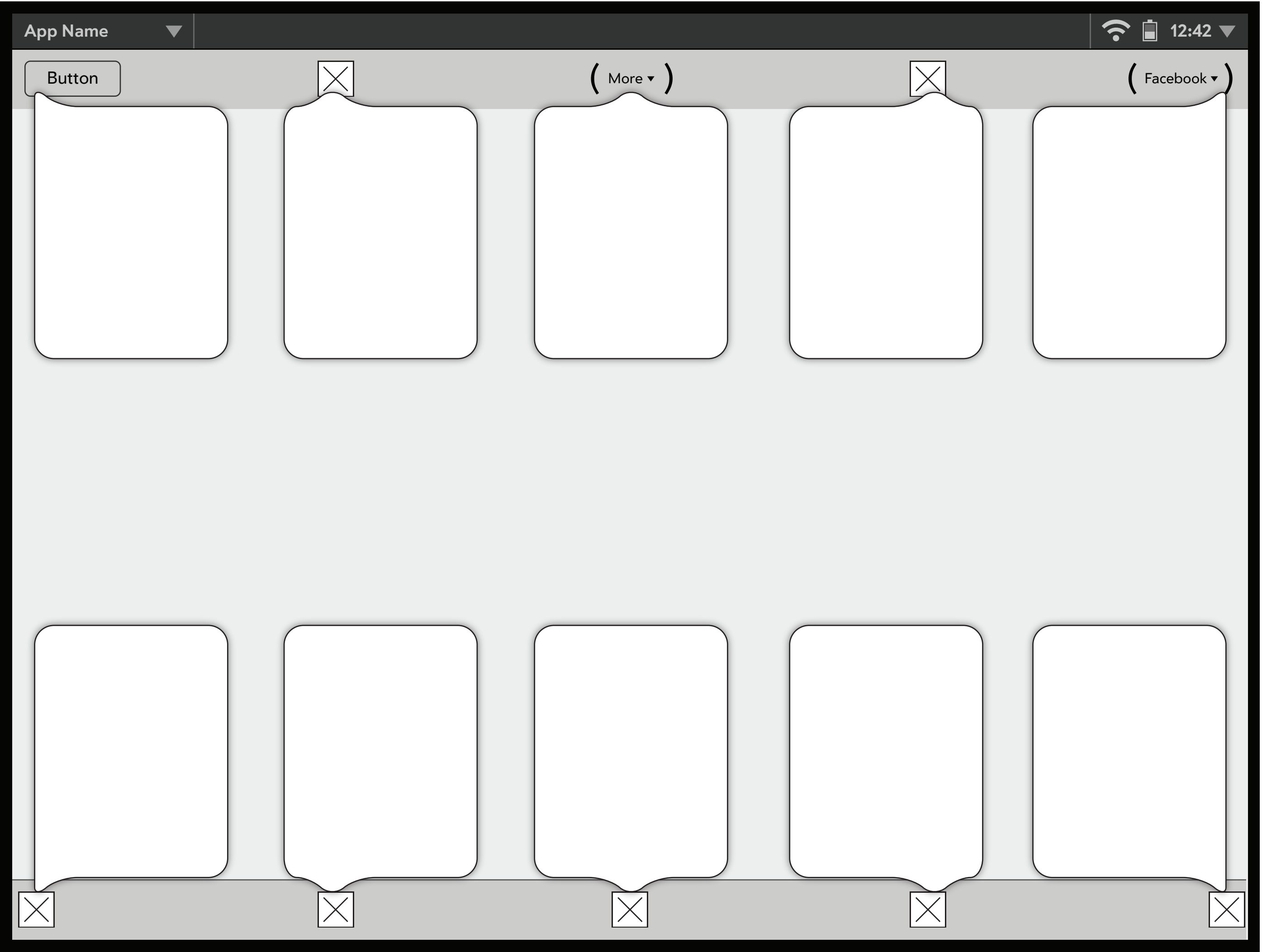
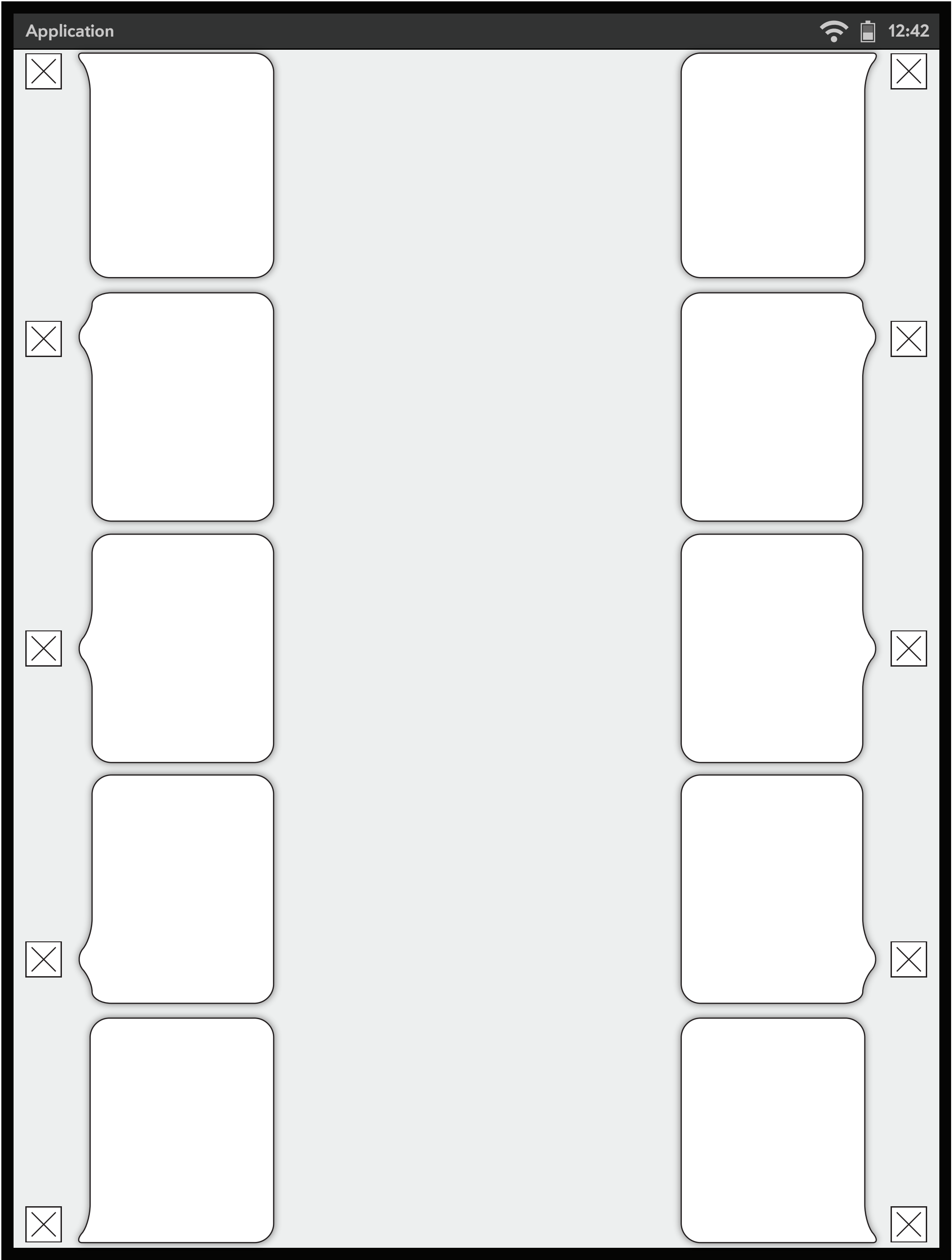


NUB LOCATION

RULES

1. Location of the pop-up is the first determining factor for nub location. For example, if the pop-up is initiated from a point at the top of the screen, it should drop down (nub is located at the top of the pop-up). Or if the pop-up initiation point is at the far left, the nub will show up on the left side and the pop-up extends to the right.
2. Screen size is the next factor. The pop-up should generally extend in the direction where there's room for it.
3. Pop-up size helps dictate whether the nub is on the top, bottom, or side. For example, if content is wide, top or bottom nubs are best. If content is long, side nubs are better.
4. Favor top or bottom nubs over side nubs, if all the above rules have been followed and location can still vary.
5. If top or bottom will work, favor bottom.

NUB LOCATION EXAMPLES



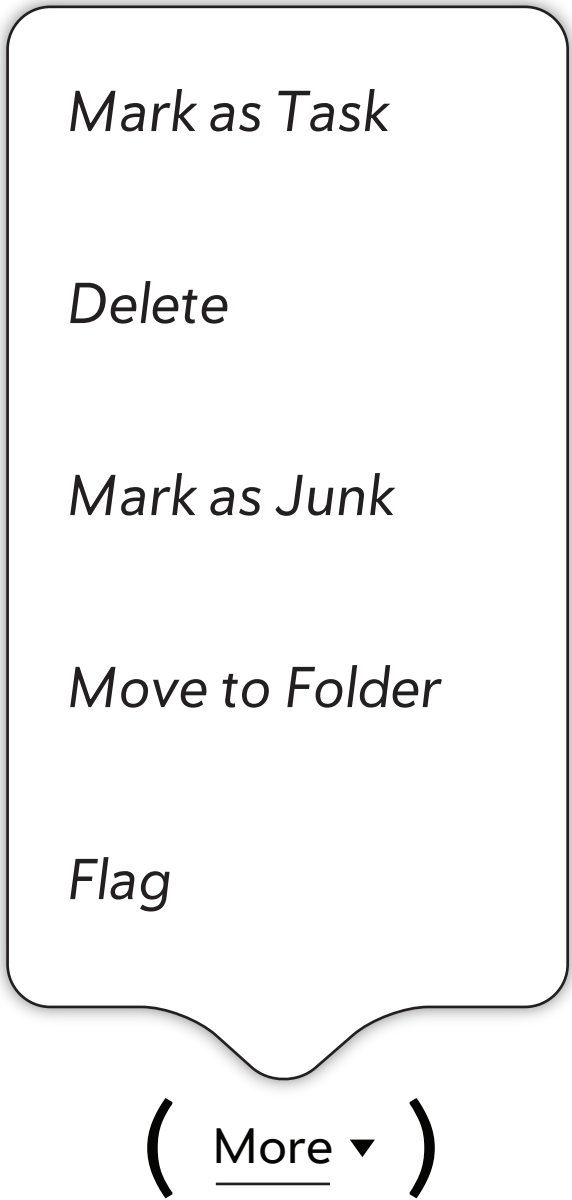
Note that the above figures are for illustration only and only ONE pop-up should be visible at a time!

RELATED COMPONENTS

Contextual Pop-ups are used by several Mochi components.

Their behavior is defined later in this spec.

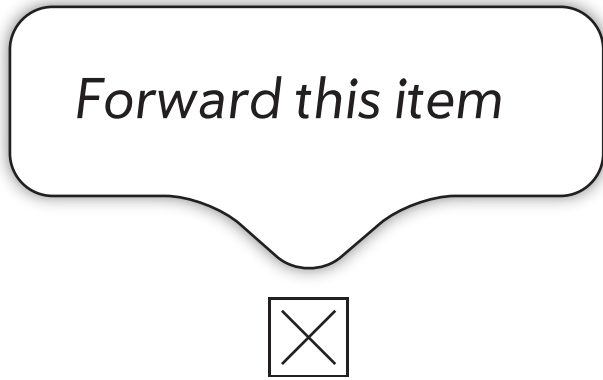
MENU



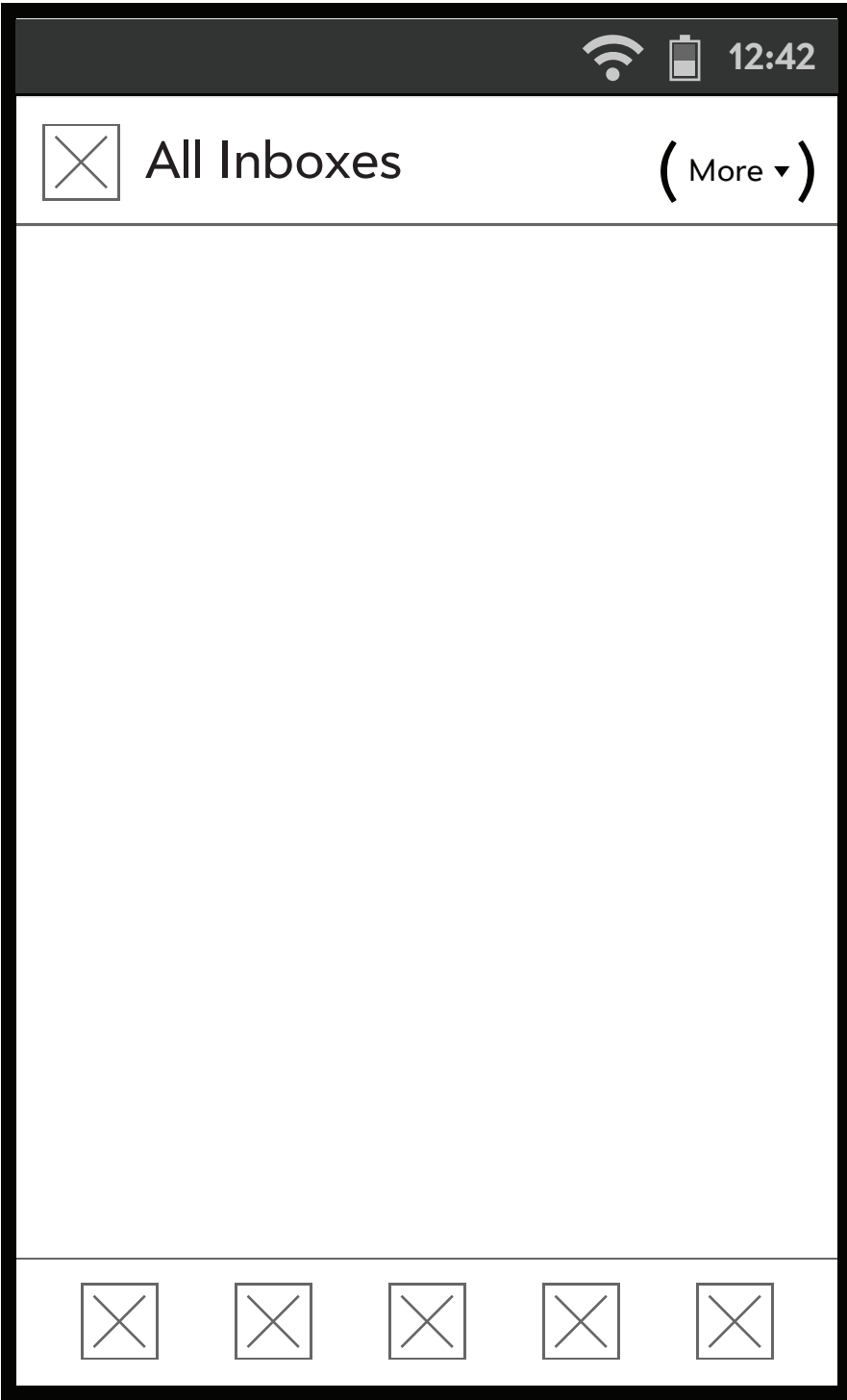
PICKER



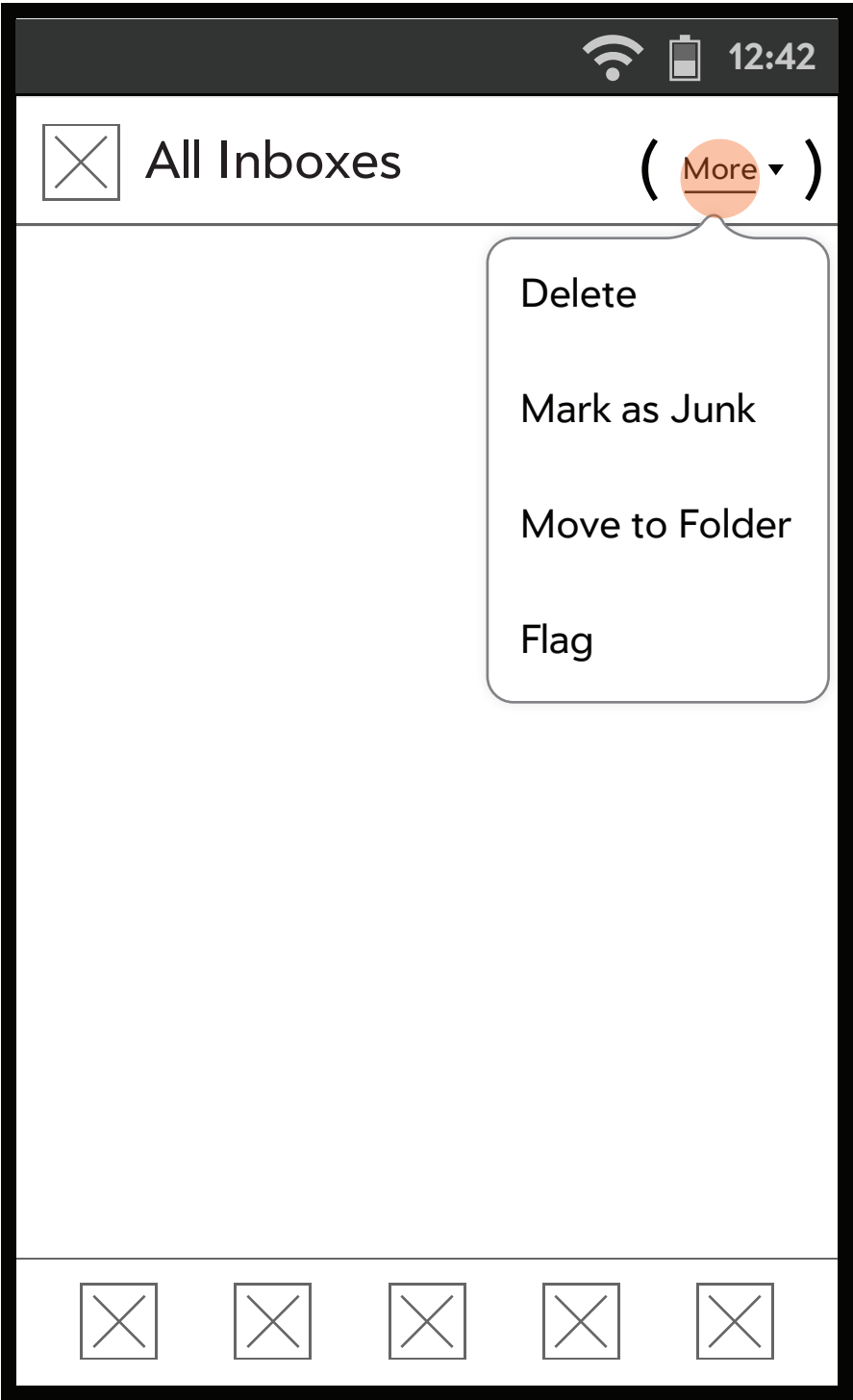
TOOL TIP



MENU



Menu Closed



Menu Open

Menus provide a method for selecting between values. Selection state is not saved.

Menus use the Modeless Contextual Pop-up widget.

Invoking Control

Any control

Invoking Method

- Tap
- Mouse click

Dismissing

- Selection made
- Tap out

Platform Variations

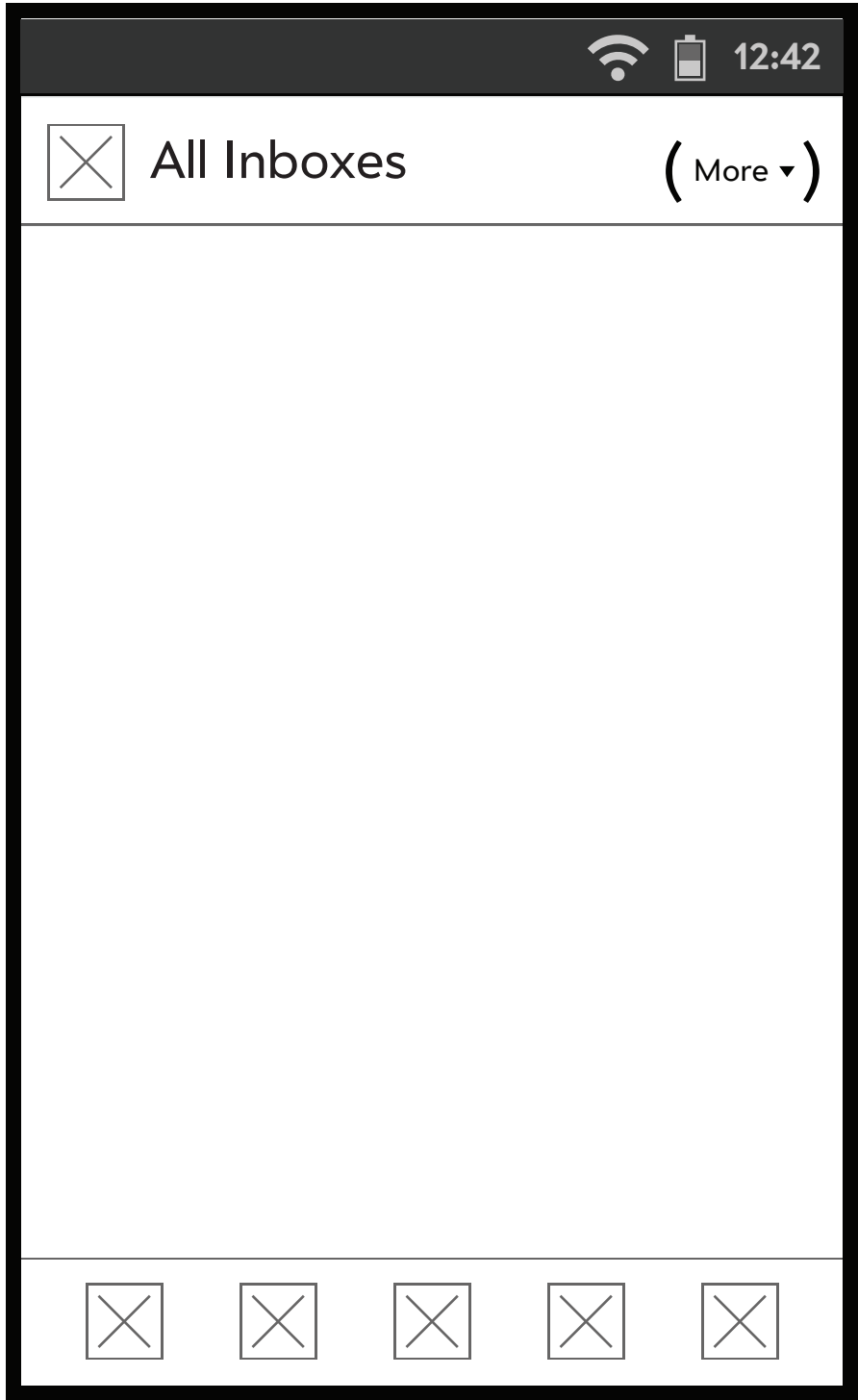
Touch: None

PC:

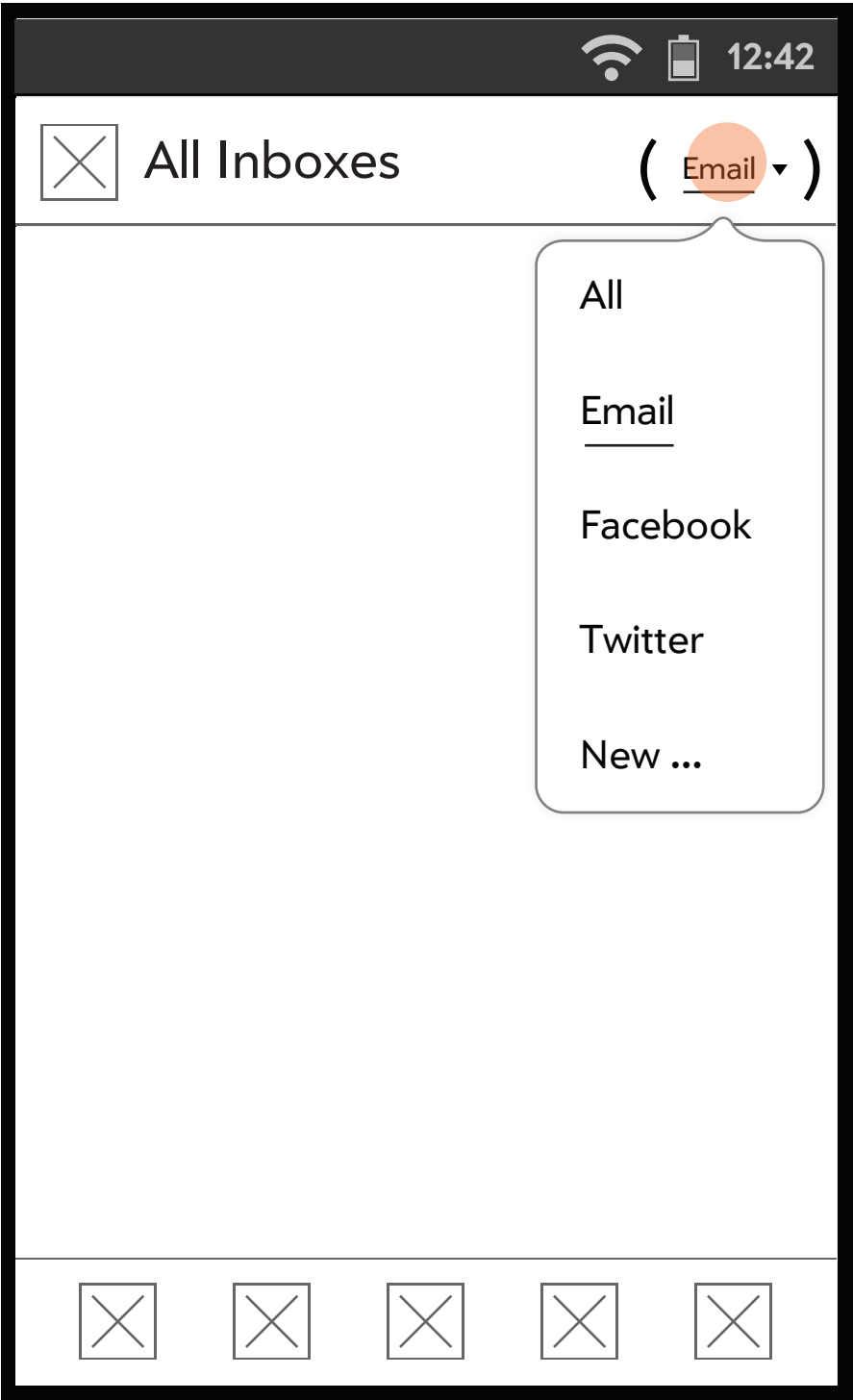
- Focus state TBD
- Might add hierarchy to lists for right click menus

TV: Focus state TBD

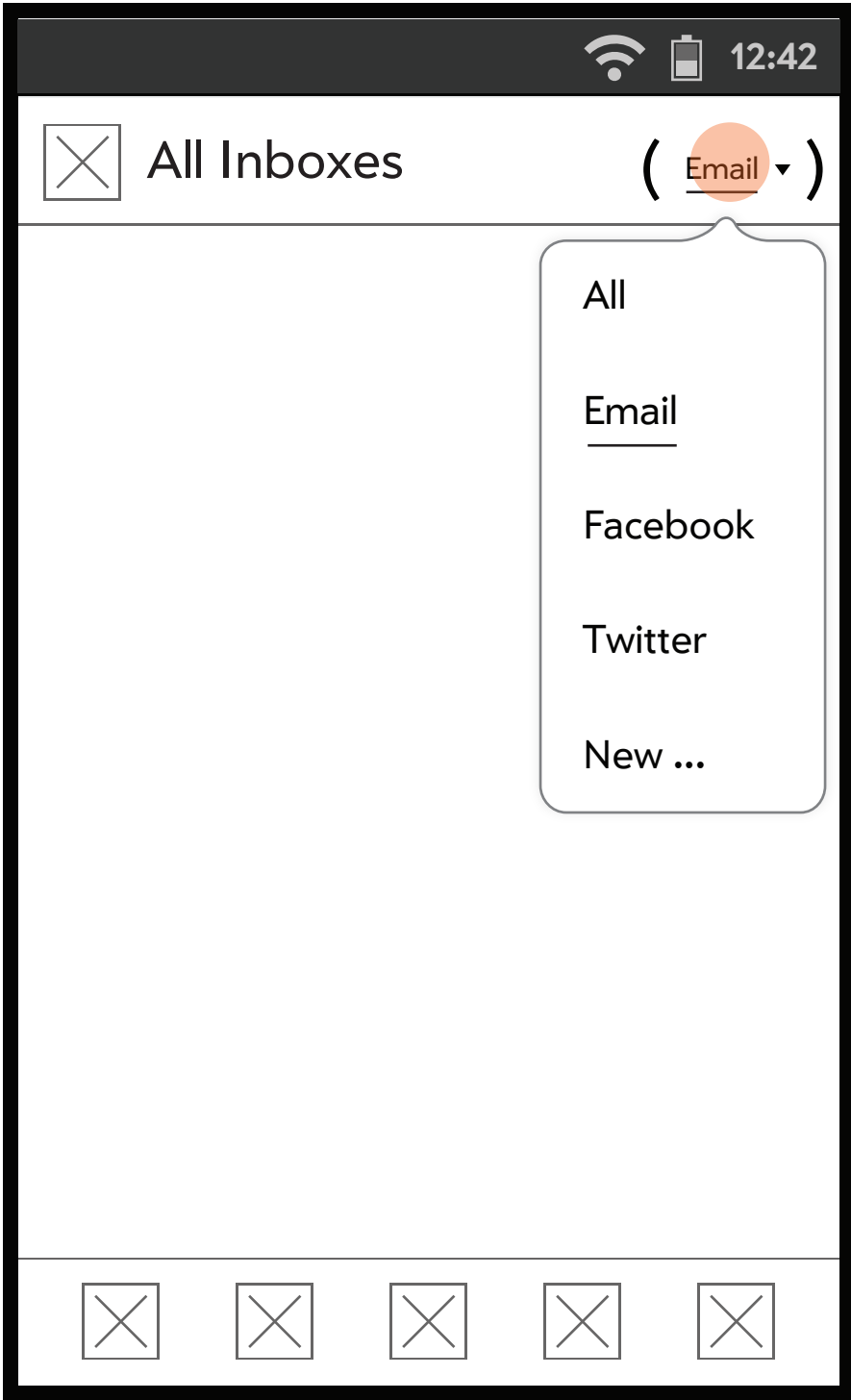
PICKER



Picker Closed



Picker Open



Picker Closed, Selection Made

Pickers provide a method for selecting between values. Selection state is saved and reflected in the invoking control.

Pickers use the Modeless Contextual Pop-up widget.

Invoking Control

- Button
- Icon button
- Any control that can reflect state

Invoking Method

- Tap
- Mouse click

Dismissing

- Selection made: button state updates
- Tap out: button state does not update

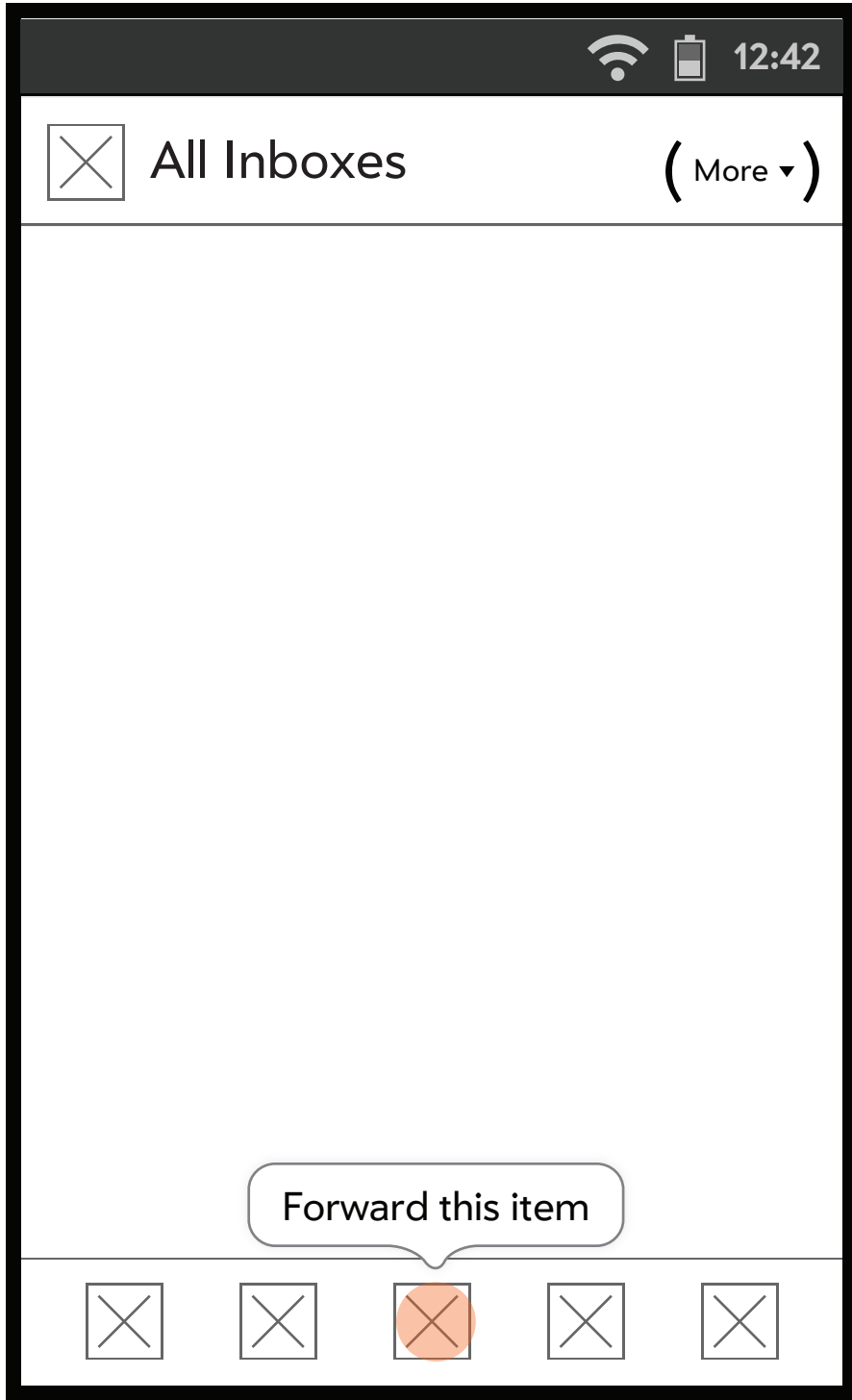
Platform Variations

Touch: None

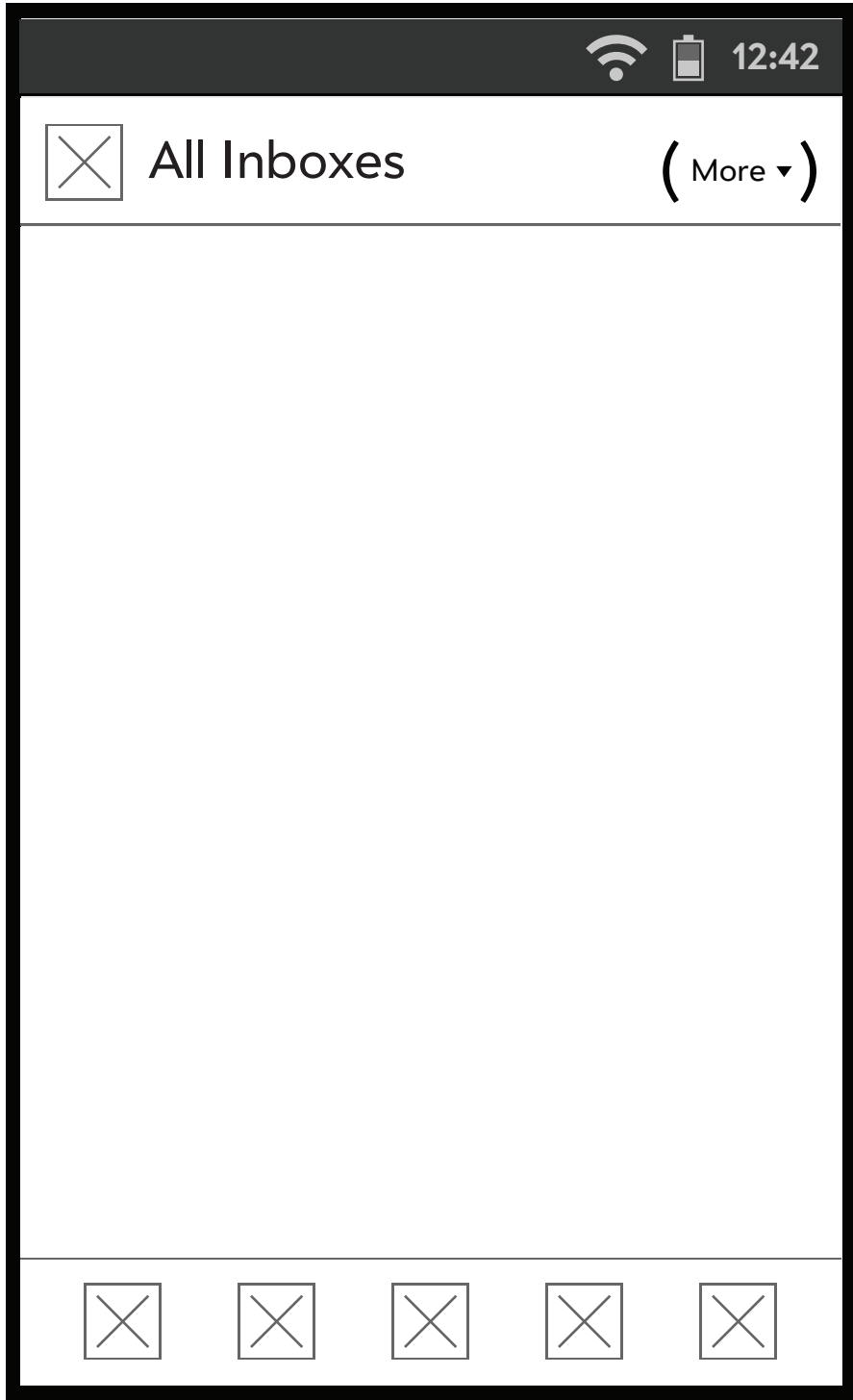
PC: Focus state TBD

TV: Focus state TBD

TOOL TIP



Tool Tip Visible



Tool Tip Dismissed

Tool tips present contextual information on mouse hover. They should be used sparingly as they’re less discoverable in touch environments.

Tool tips use the Modeless Contextual Pop-up widget.

Invoking Control
Any control

Invoking Method
- Mouse hover
- Press and hold

Dismissing
- Mouse hover ends
- Press & hold ends

The tool tip dismisses (or never appears) when it’s clear the user isn’t performing a press and hold. For example, swiping a panel may appear to be a press and hold until the user starts to move their finger.

Platform Variations
Touch: Contextual pop-up appears above the invoking control

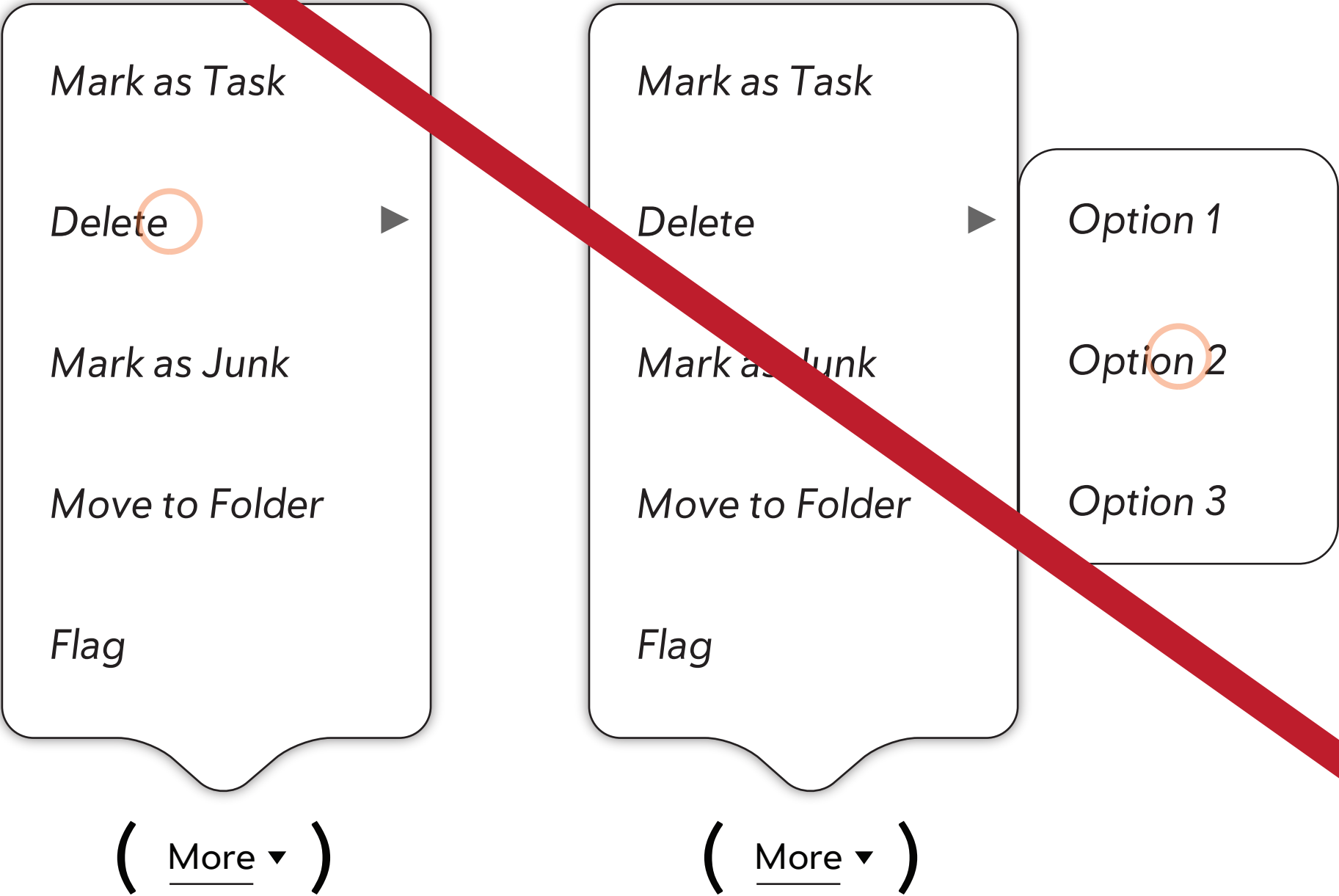
PC: None

TV: TBD

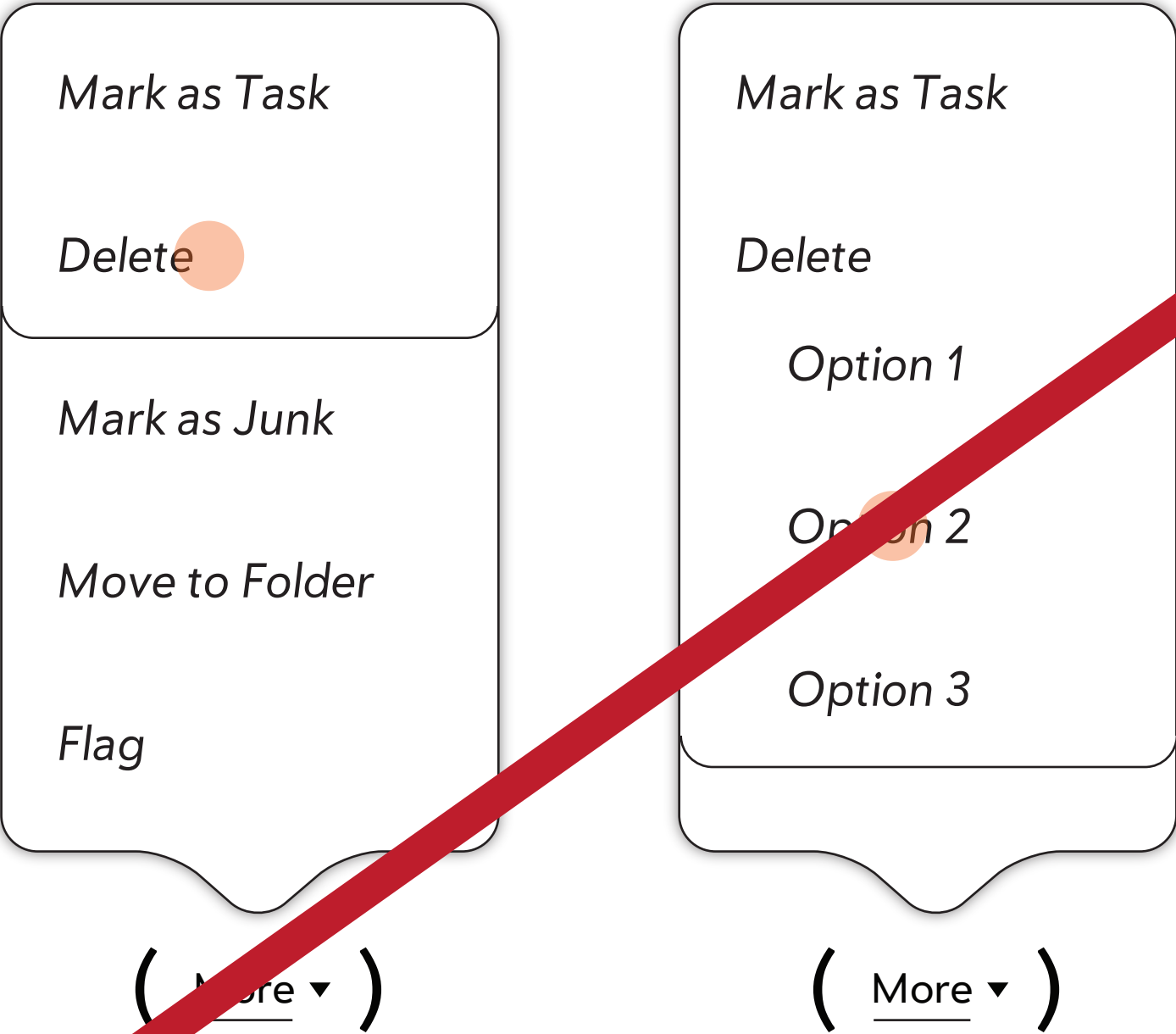
HIERARCHY EXPLORATION - TBD

○ Mouse hover
● Touch

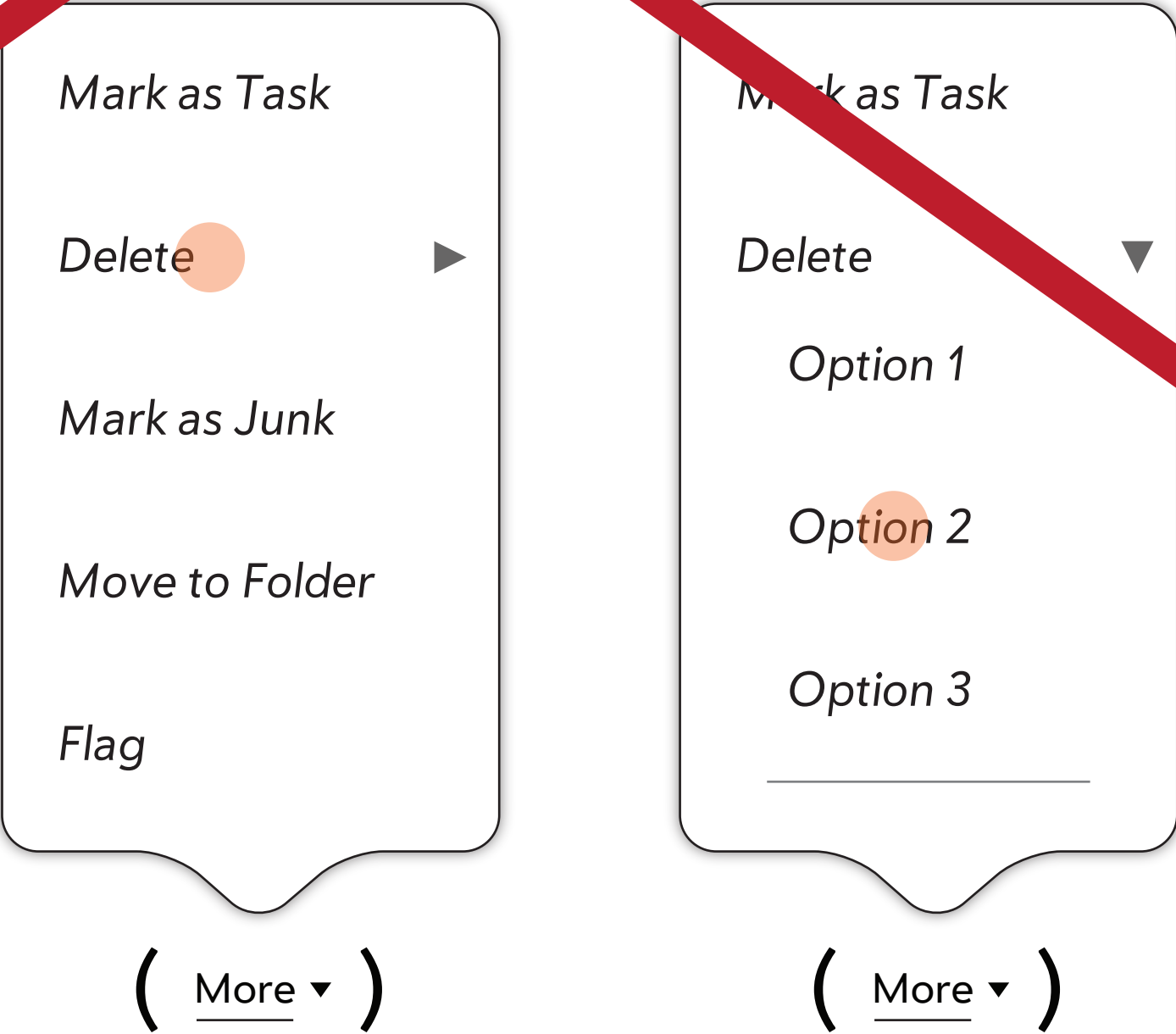
1. Mousing Approach: Nesting Pop-ups



2. Touch Approach: Drawer



3. Touch Approach: Menu-Style Drawer



CHANGE HISTORY

8/14/2012

- First Draft

11/16/2012

- Nub location adjusted to include pointed version. Visual Design Example added as well.

11/26/2012

- Rules and recommendations added.