

SEARCH INPUT

MOCHI

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TABLE OF CONTENTS

Summary & Goals	3
Structure	4
States	5
Recommended Contexts	6
Persistent Search - Filtered List	7
Persistent Search - Filtered Grid	9
Expanding Search - Traditional	10
Expanding Search - Filtered	12
Platform Variations	14
Change History	16

SUMMARY

The Search Input widget is an input field that allows a user to perform a search or a filtered search.

Types of Search Input fields:

- Persistent
- Expanding

Recommended placement:

- Headers
- Toolbars
- Lists
- Grids

GOALS

- Allow users to filter through content in real-time or complete a search
- Resolve how field interacts with a virtual keyboard
- Set general guidelines on how and where Search Input fields appear

STRUCTURE

PERSISTENT SEARCH



Search Icon
No action on tap.



Clear Button
On tap, field is cleared. Hint text and search icon re-appear.

EXPANDING SEARCH



Expanding Search Icon
On tap, expands to reveal a persistent search input field. Collapses back when search is exited.

Can expand to the right, left or from the center (min 10px padding from screen edge). Covers other buttons if necessary.

FILTERED RESULT LIST

Iced coffee

Ice cream

Ice water

Results Indicator
A visual indicator for matching criteria. Appears for list-based filtering and grid-based filtering with labels.

STATES

PERSISTENT SEARCH



1. No Value, Not Focused
Display hint text and search icon.

Hint text should be used to clarify what will be searched (e.g. “Search Inbox”).



2. Focused, No Value
Display cursor in front of hint text.

Tapping out of the search field or dismissing the keyboard from this state exits search mode and returns to initial state (initial state may be collapsed search icon).



3. Focused, Value Entered
Values typed replace hint text. Search icon becomes a clear button (“X”). Filtered results appear if applicable.

Selecting the Clear button clears the field and returns to state 2.



4. Not Focused, Value Entered
Display text typed in the field and the Clear button (“X”) at right. Do not display cursor.

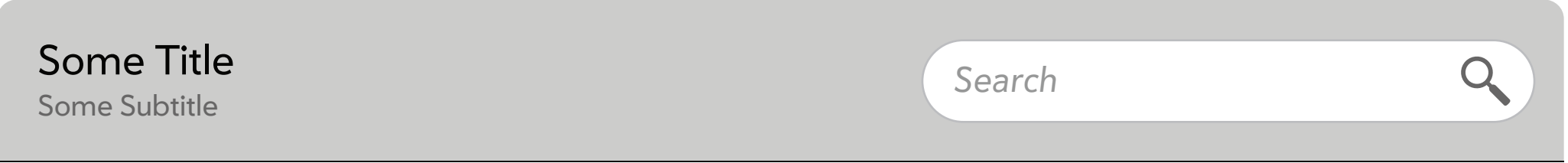
EXPANDING SEARCH



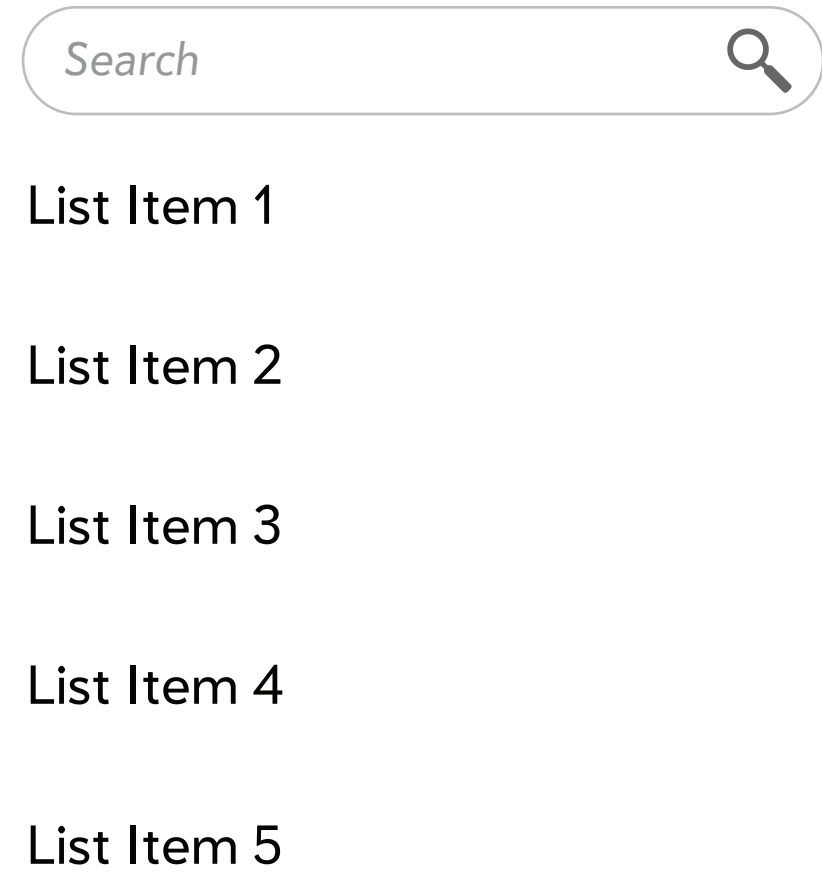
Expanding Search Icon
On tap, expands to reveal a persistent search input field. Collapses back when search is exited.

RECOMMENDED CONTEXTS

IN TOOLBAR, HEADER

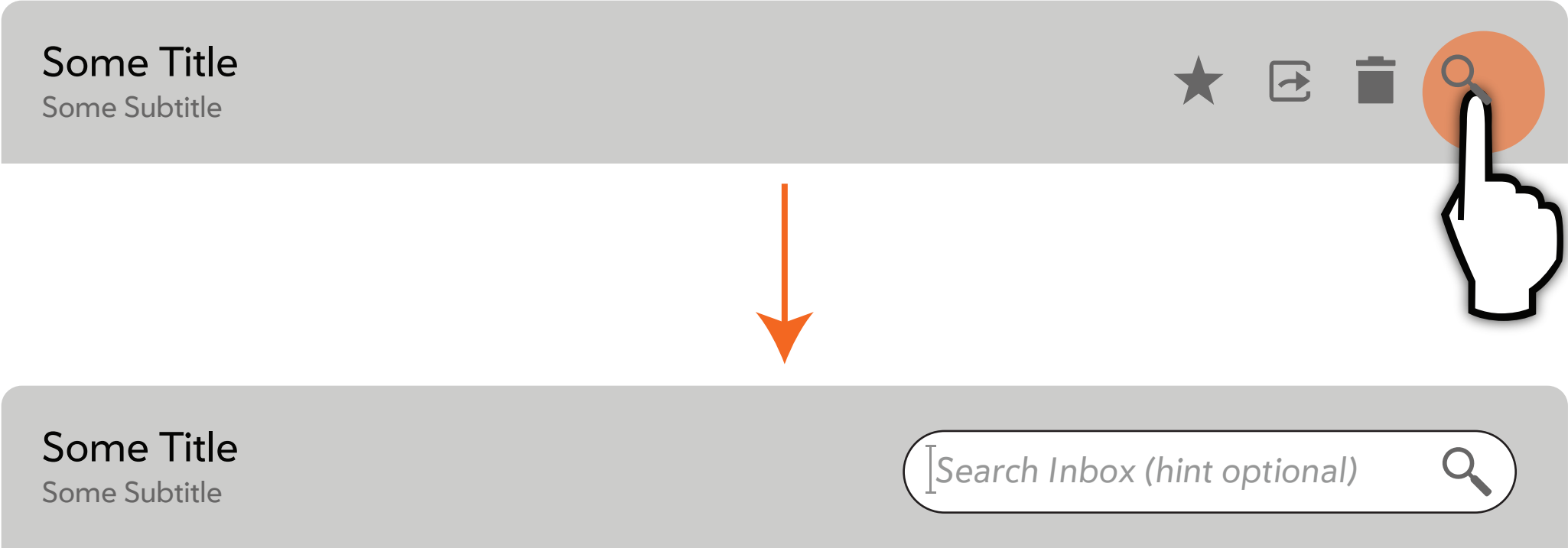


IN LIST



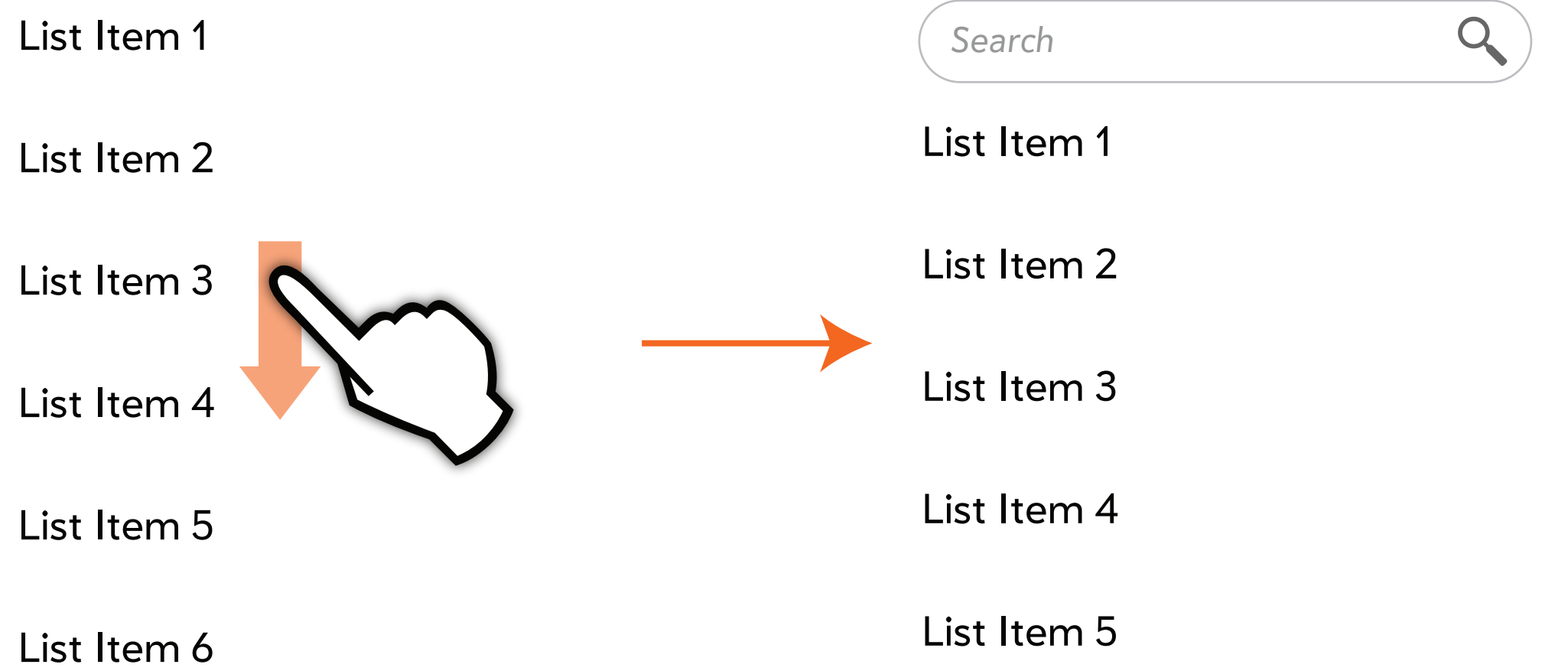
Search Input fields in lists scroll with the list; they are essentially the first list item.

EXPANDING SEARCH INPUT



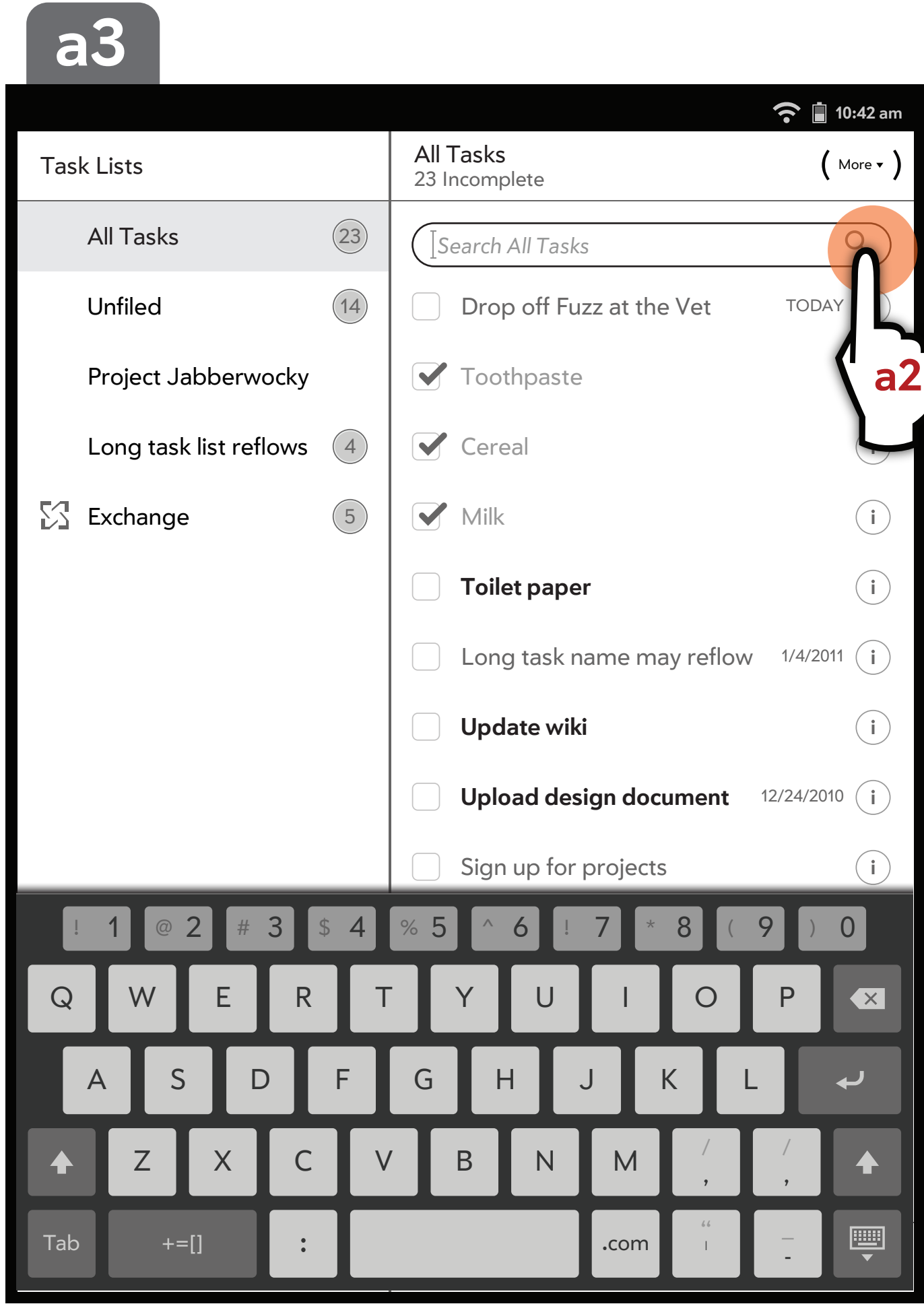
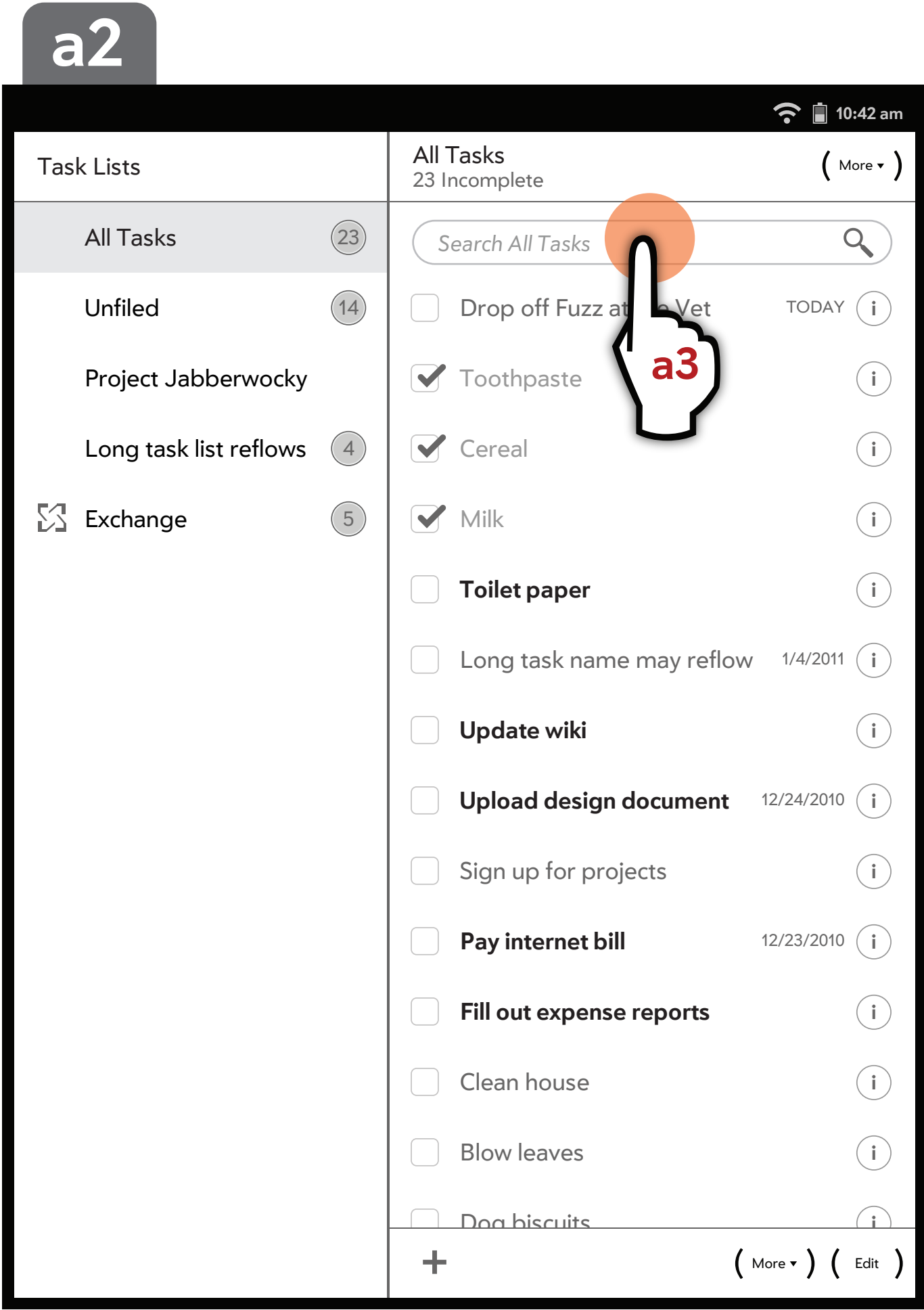
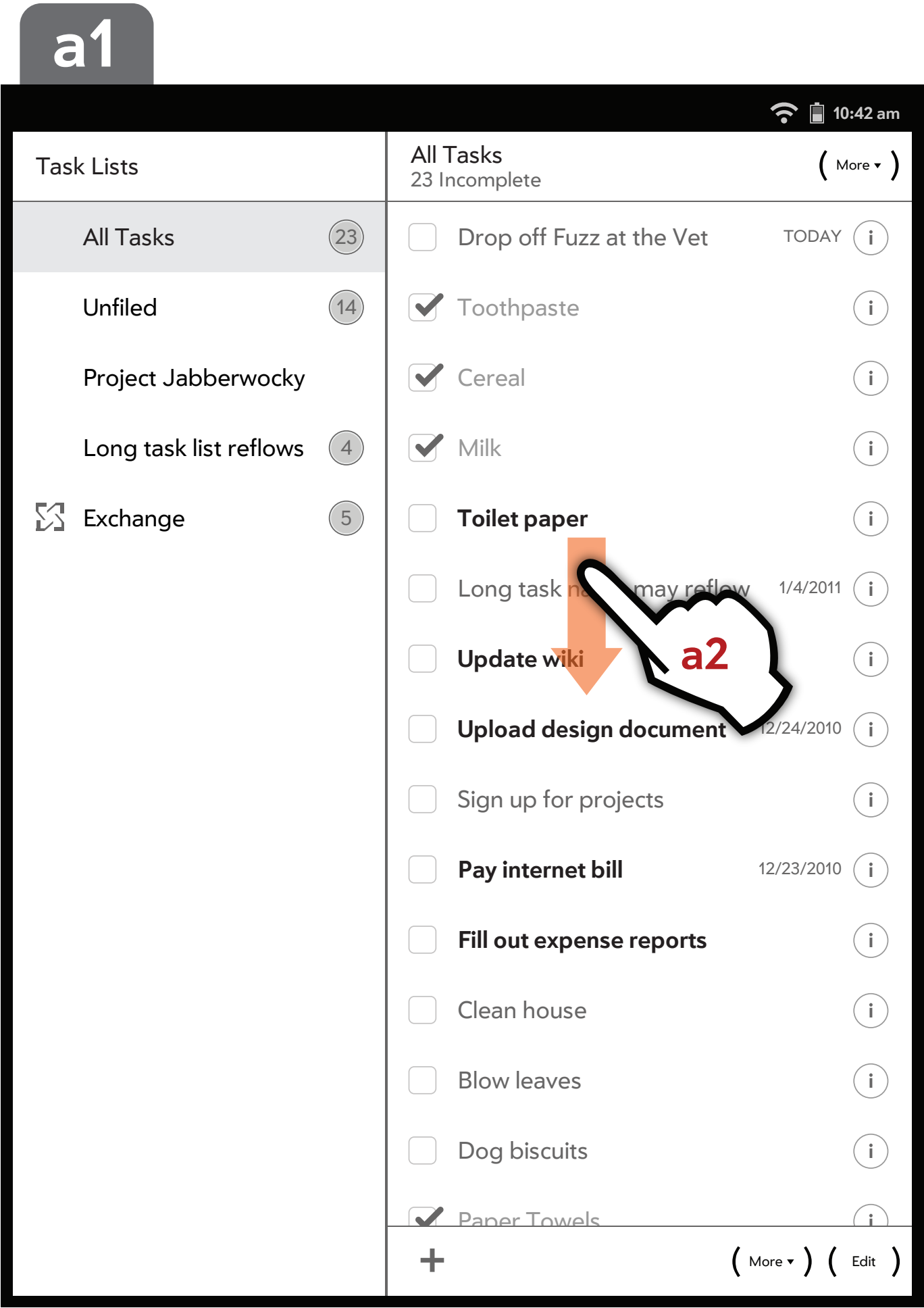
On tap, an Expanding Search Input field animates to reveal a focused Persistent Search Input field. Field covers neighboring controls if necessary.

IN LIST, PULL DOWN



Search Input fields can be hidden until user overscrolls to the top of a list.

PERSISTENT SEARCH (FILTERED LIST)



a1. Overscroll down to reveal hidden Search Input field.

If default is not hidden, skip to a2.

Flow demonstrates an in list filtered search on a tablet device.

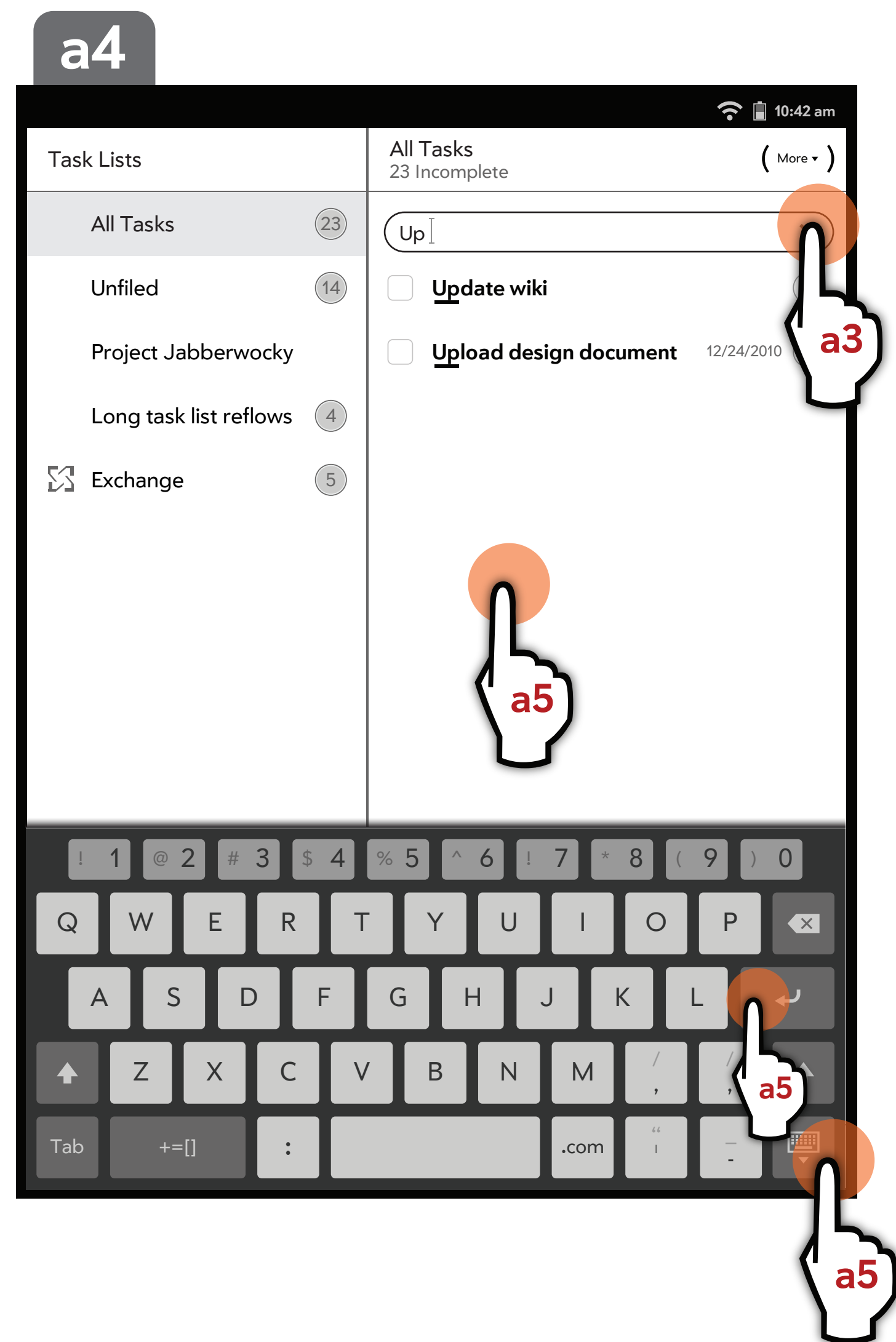
a2. Tapping in the Search Input field focuses the field. Keyboard is invoked.

a3. The field is focused and a cursor appears. Hint text still appears.

Search mode exits if:

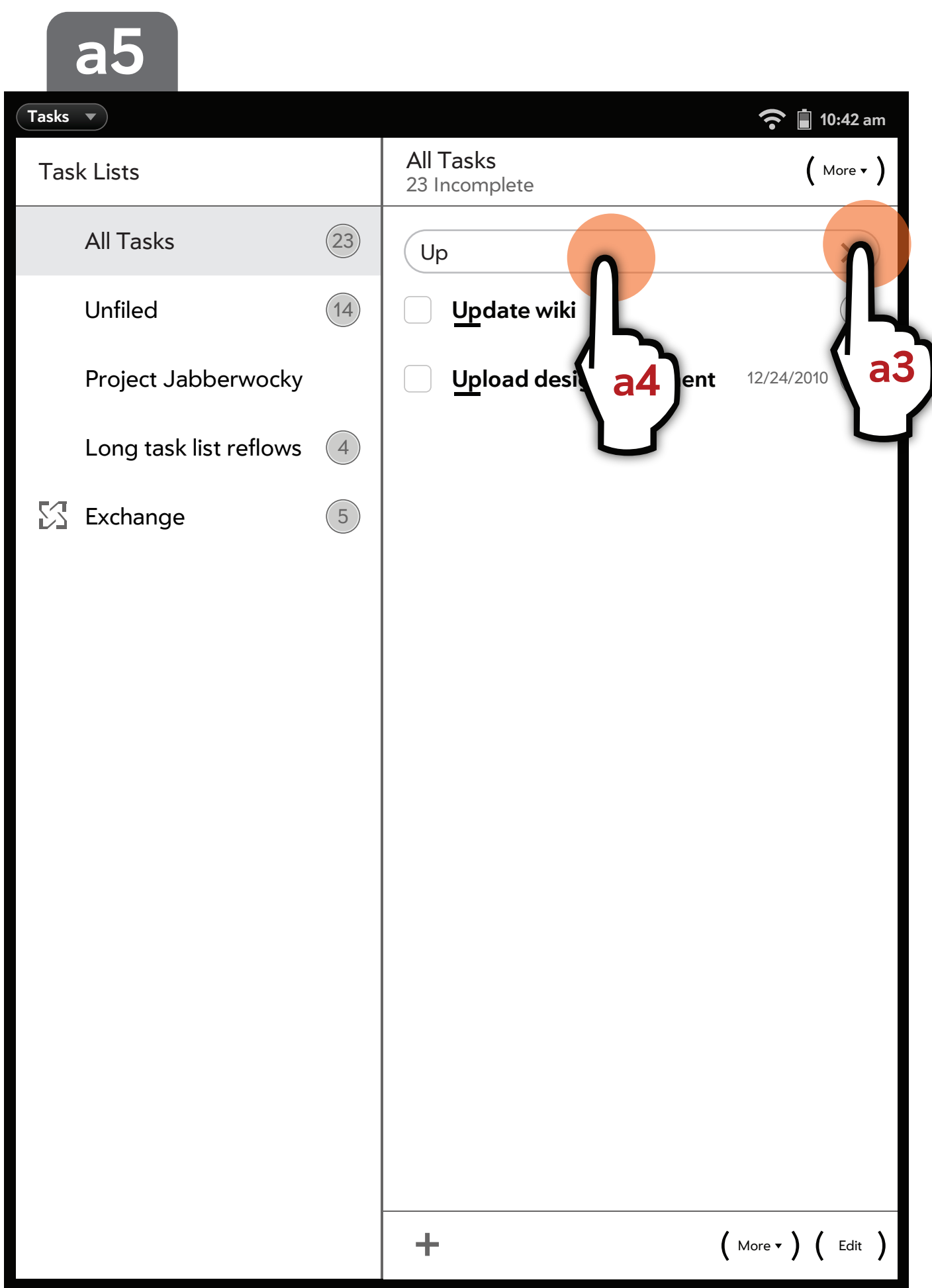
- Keyboard dismissed
- Tap outside search field or keyboard
- Tap Search icon

PERSISTENT SEARCH (FILTERED LIST)



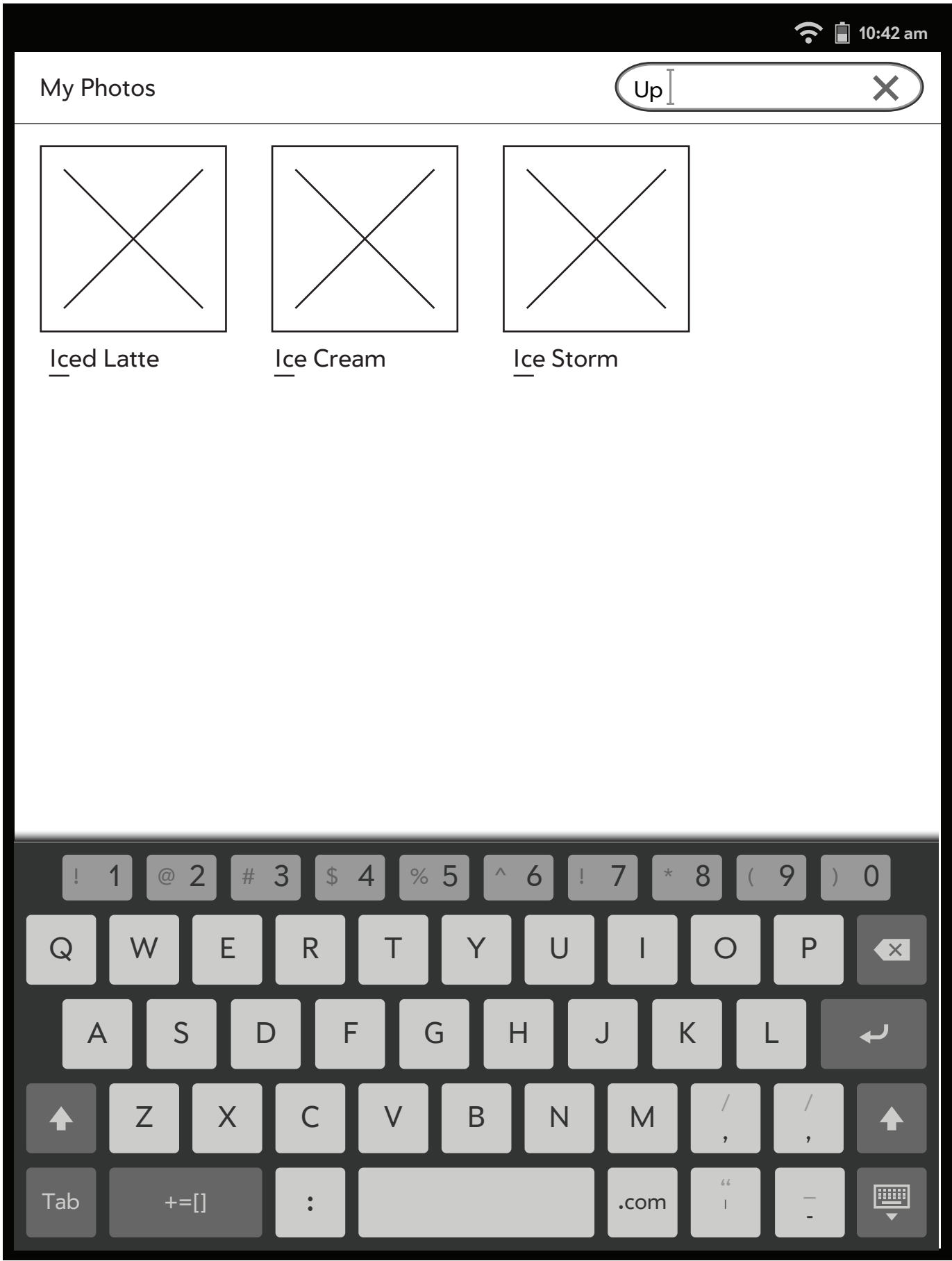
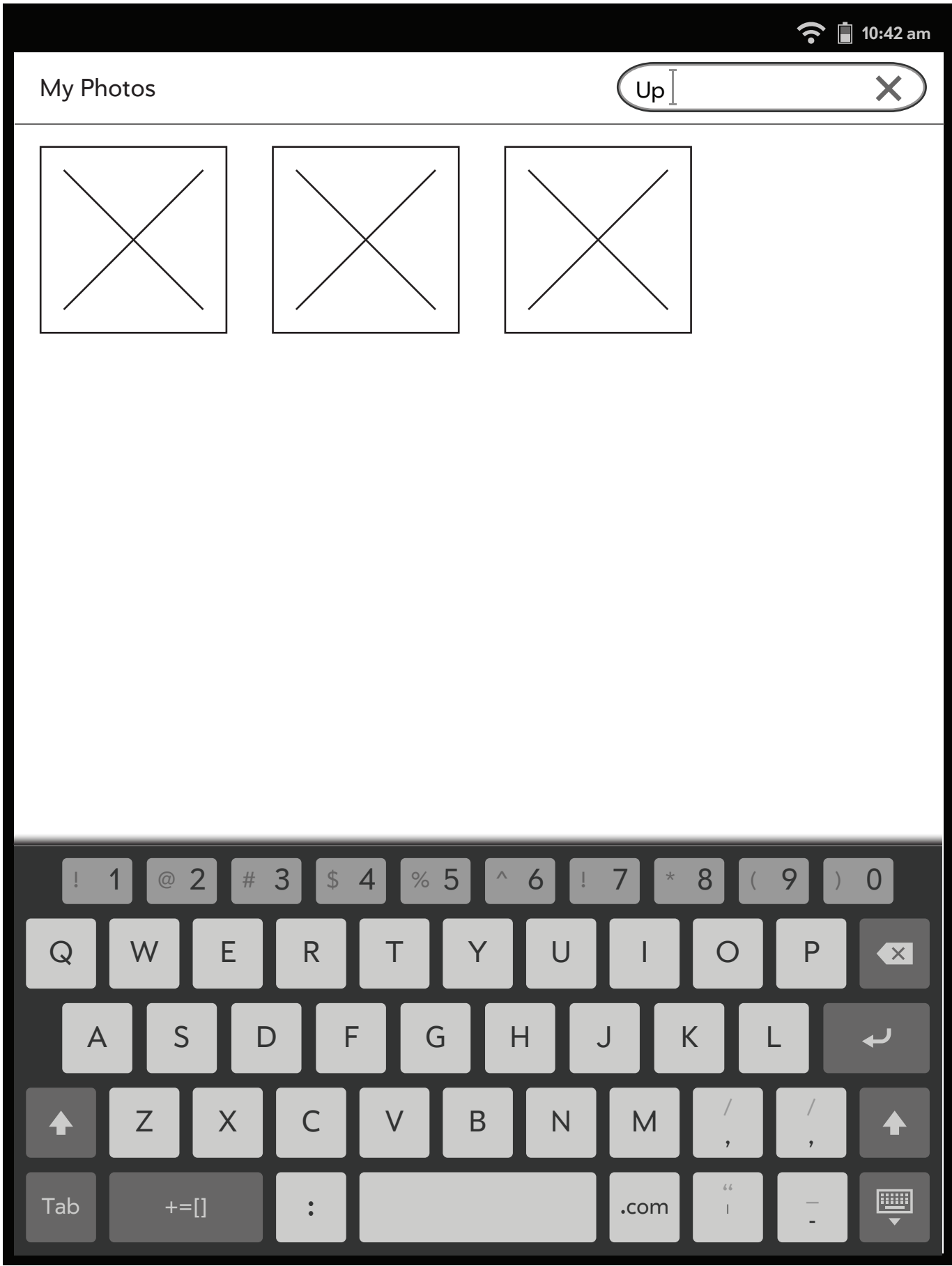
a4. As text is entered, filtered results appear. Search icon is replaced by a clear icon ("x"). Tapping in an empty area dismisses the keyboard.

To clear the search and show the full list, backspace or tap the clear icon.



a5. Dismissing the keyboard removes focus from the field. Results are still present.

PERSISTENT SEARCH (FILTERED GRID)



Filtered Results

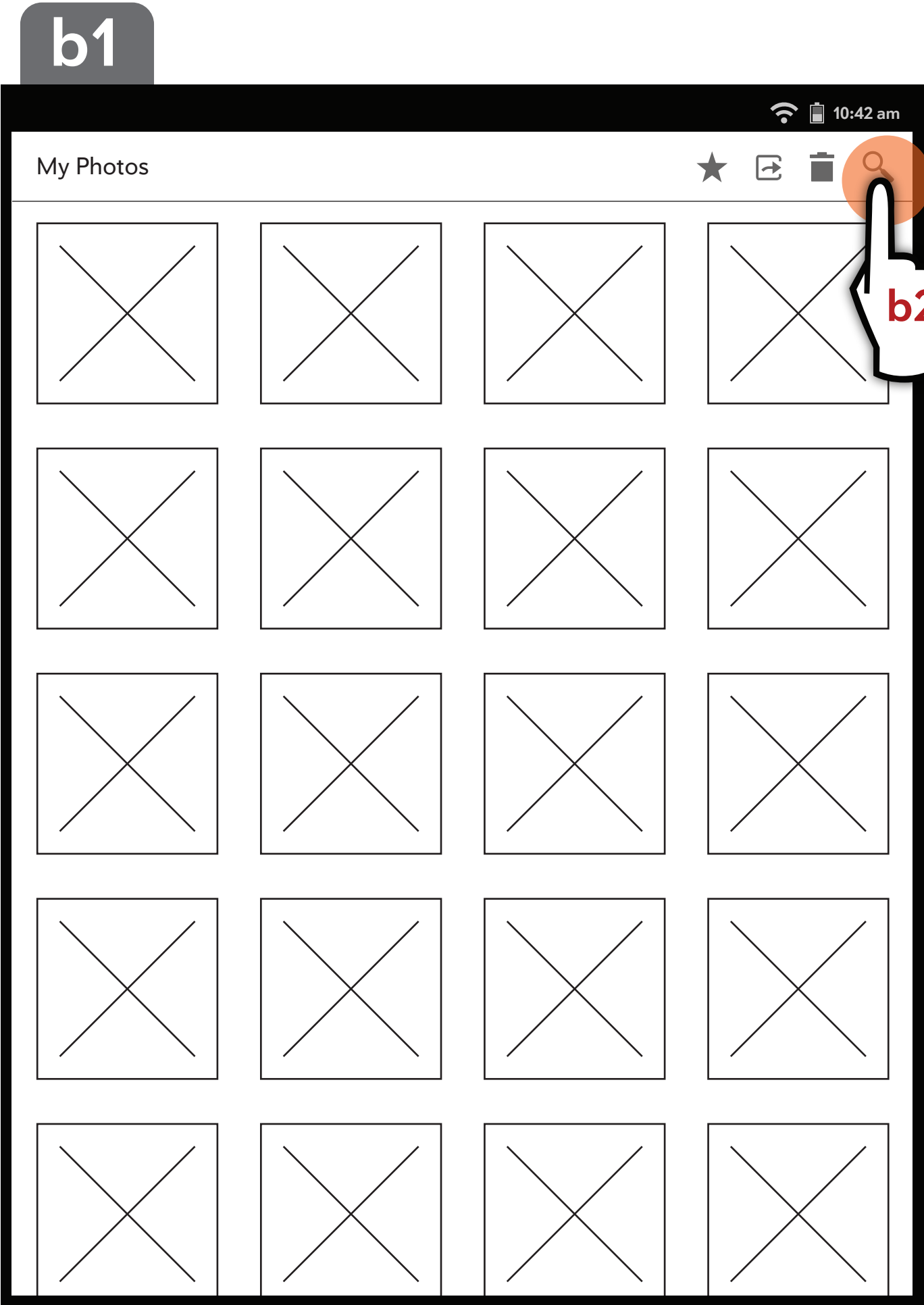
Only the matching images are returned if grid doesn't contain labels.

Only the filtered results are shown here for illustration. Flow is functionally the same as A.

Filtered Results: With Image Labels

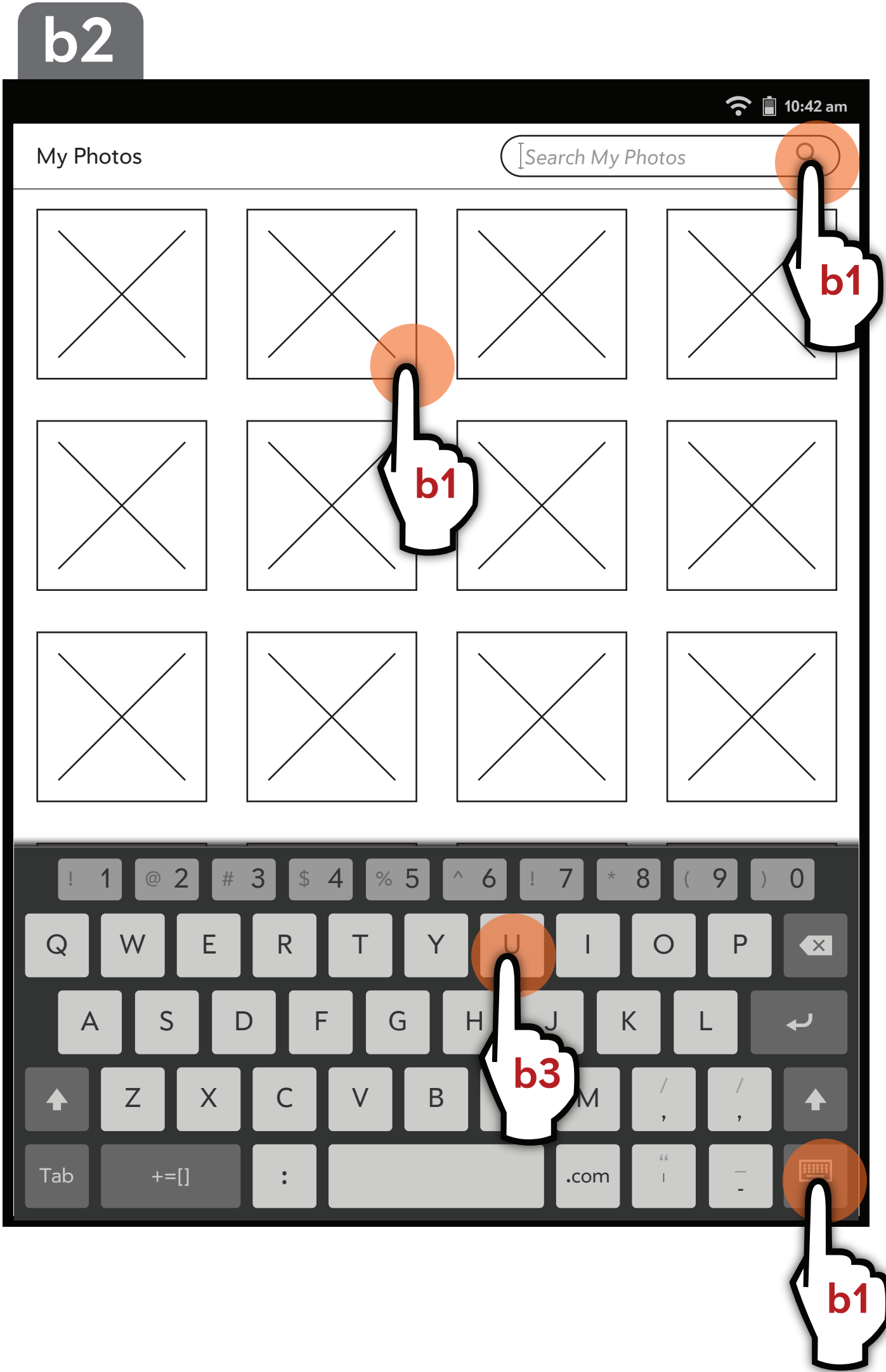
Result indicator appears for matching grid results if grid contains labels.

EXPANDING SEARCH (TRADITIONAL SEARCH)



b1. Tap the expanding search icon to invoke a search.

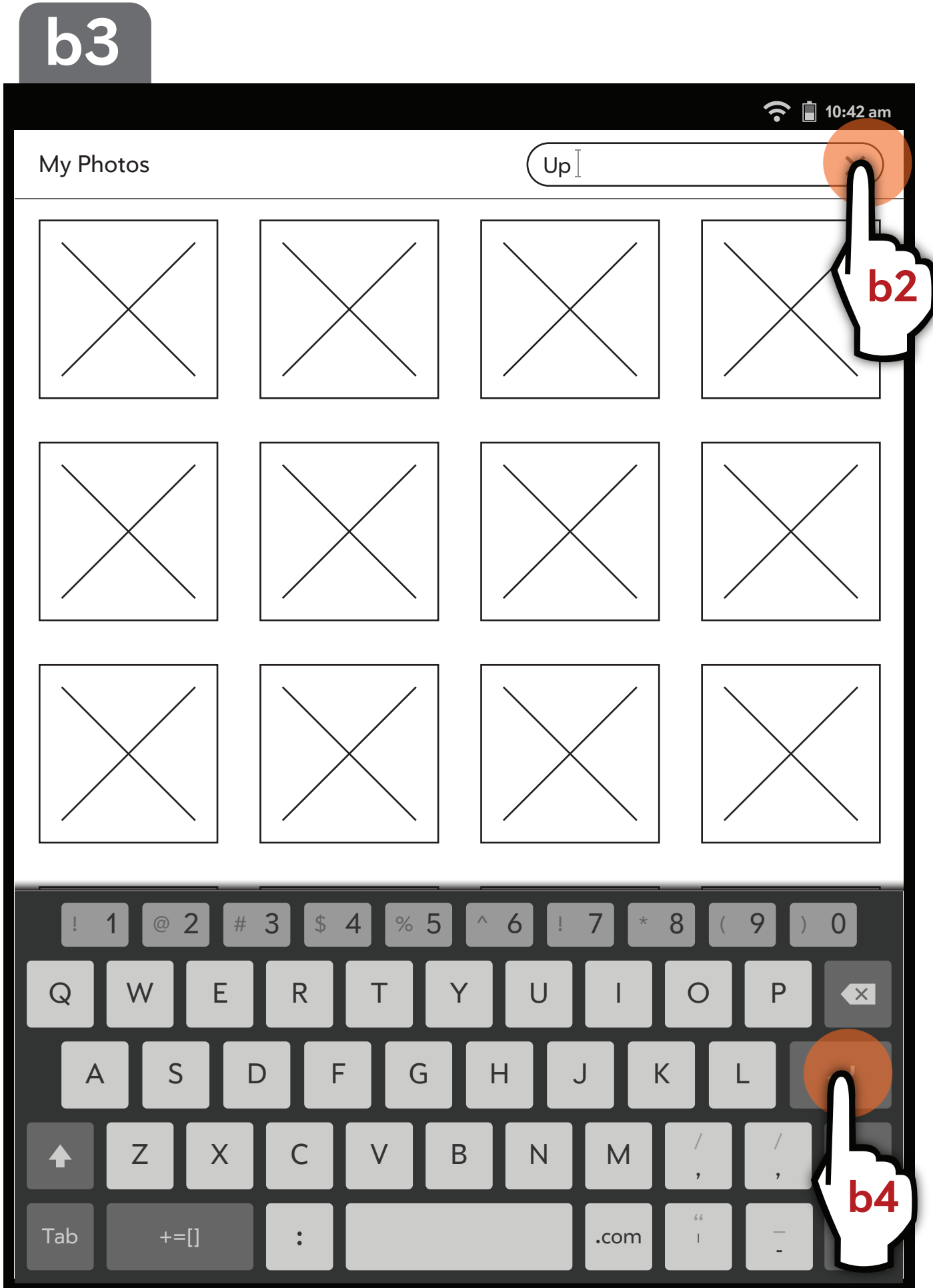
Flow demonstrates expanding search input field and a regular (non-filtered) search on a tablet device.



b2. A focused Persistent Search Input field appears. It covers neighboring controls if necessary.

To exit search mode (field collapses):

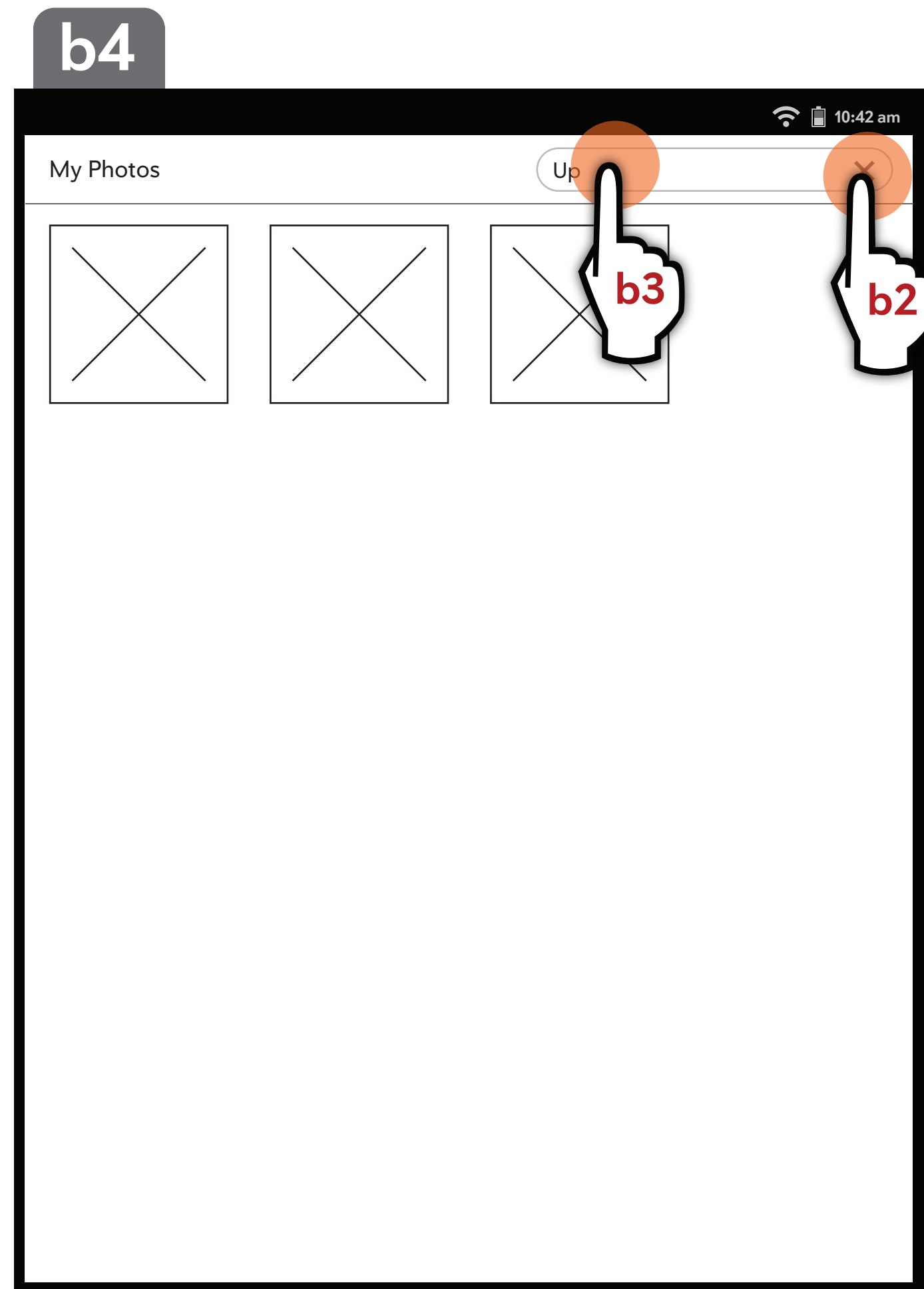
- Tap out of input field
- Tap Search icon (with no value)
- Dismiss keyboard



b3. When a value is entered, the search icon is replaced by a clear button ("x"). Tapping the clear button clears the field (b2).

Tap the Enter key (or a "Search" button in the scene or keyboard, if available) to perform the search.

EXPANDING SEARCH (TRADITIONAL SEARCH)

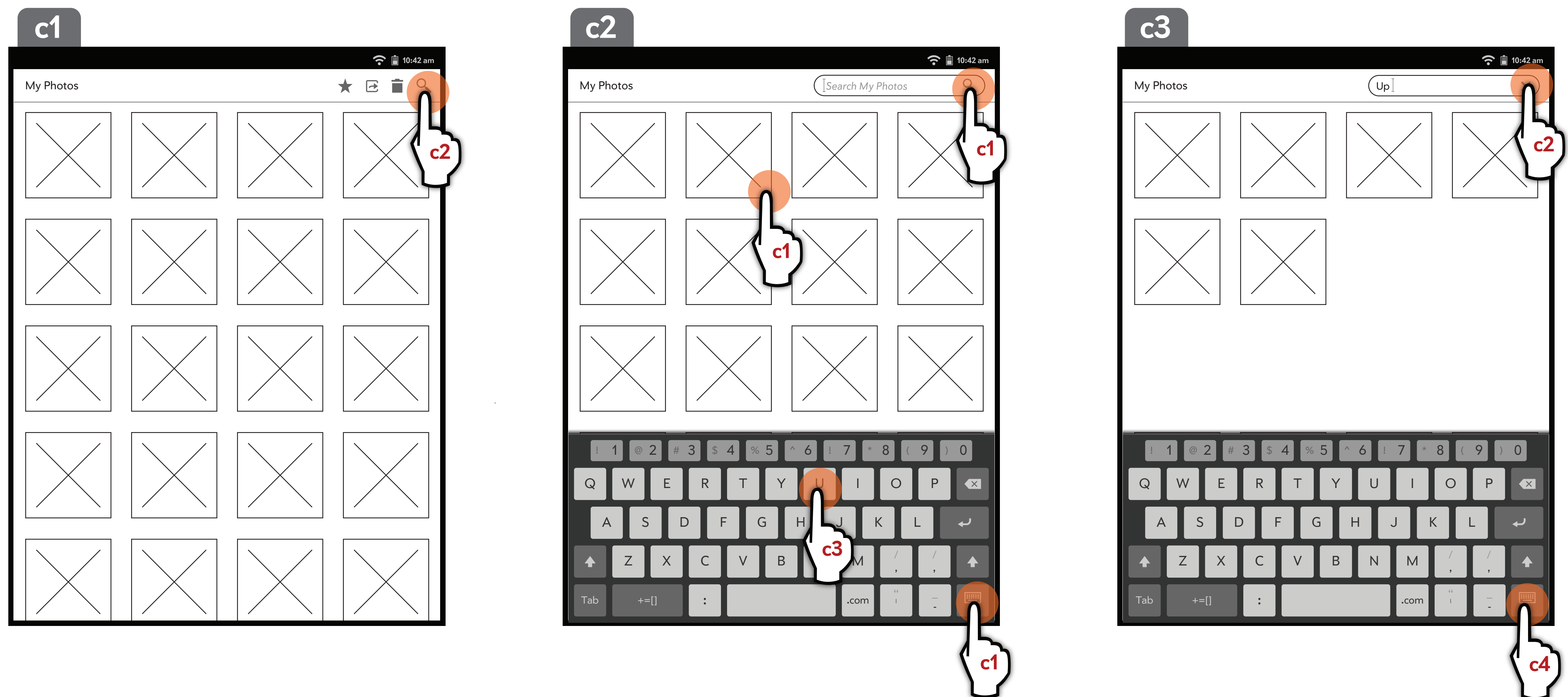


b4. The keyboard dismisses and the search results appear. The search field is no longer focused and displays the search criteria.

Tapping the clear button clears and focuses the field (b2). List reappears.

Tapping the field allows the user to perform a different search.

EXPANDING SEARCH (FILTERED SEARCH)



c1. Tap the expanding search icon to invoke a filtered search.

Flow demonstrates expanding search input field and a filtered search on a tablet device.

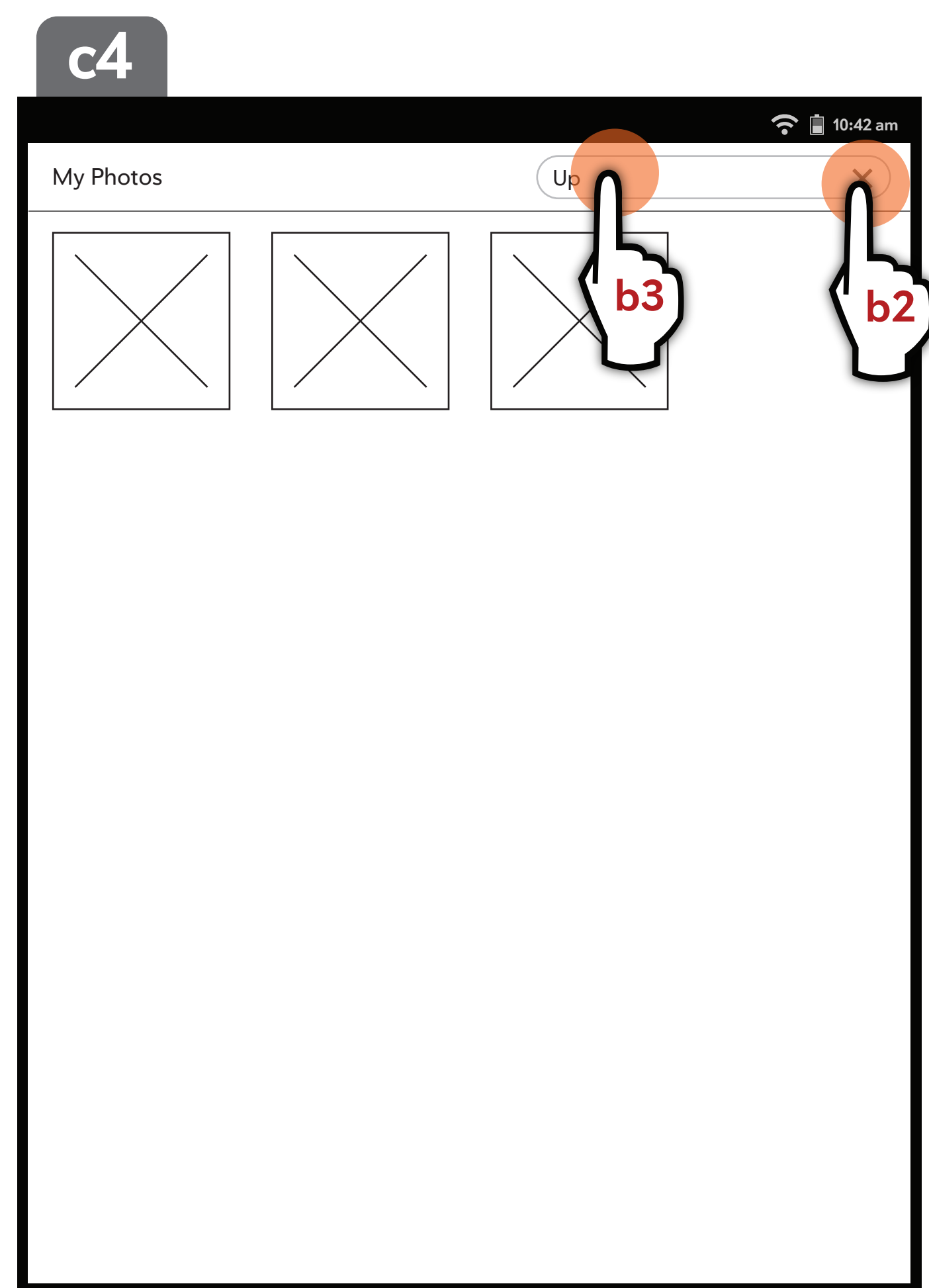
c2. A focused Persistent Search Input field appears. It covers neighboring controls if necessary.

- To exit search mode (field collapses):
- Tap out of input field
 - Tap Search icon (with no value)
 - Dismiss keyboard

c3. When a value is entered, the search icon is replaced by a clear button ("x").

Filtered results appear as values are entered. Tapping the clear button clears the field and resets the list (c2).

EXPANDING SEARCH (FILTERED SEARCH)



c4. The keyboard dismisses and the search results appear. The search field is no longer focused and displays the search criteria.

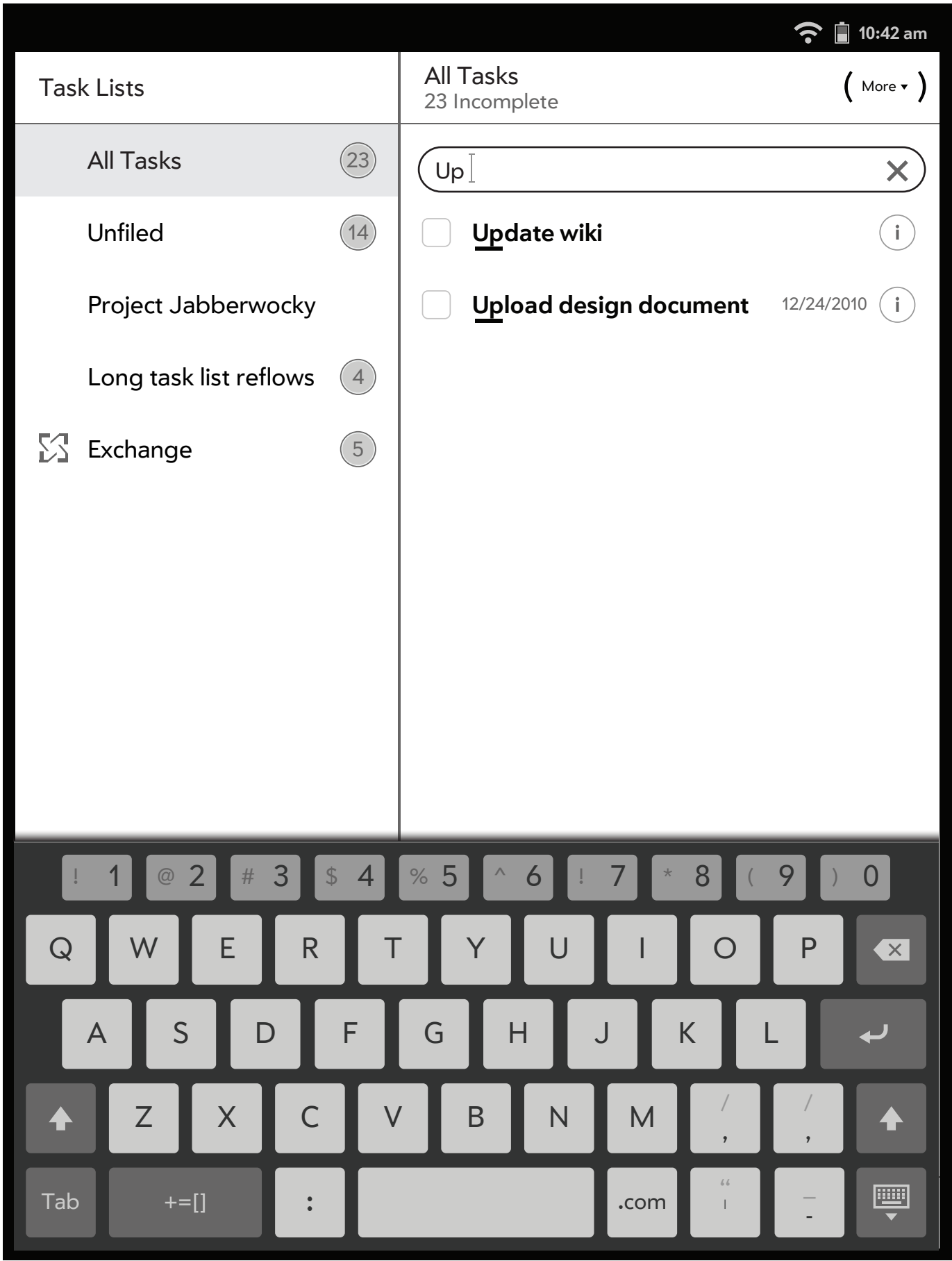
Tapping the clear button clears and focuses the field (b2). Results are not updated until search is performed again.

Filtered Search Behavior
If Expanding Search field is used for filtering, the flow remains the same but with filtered results appearing as values are entered.

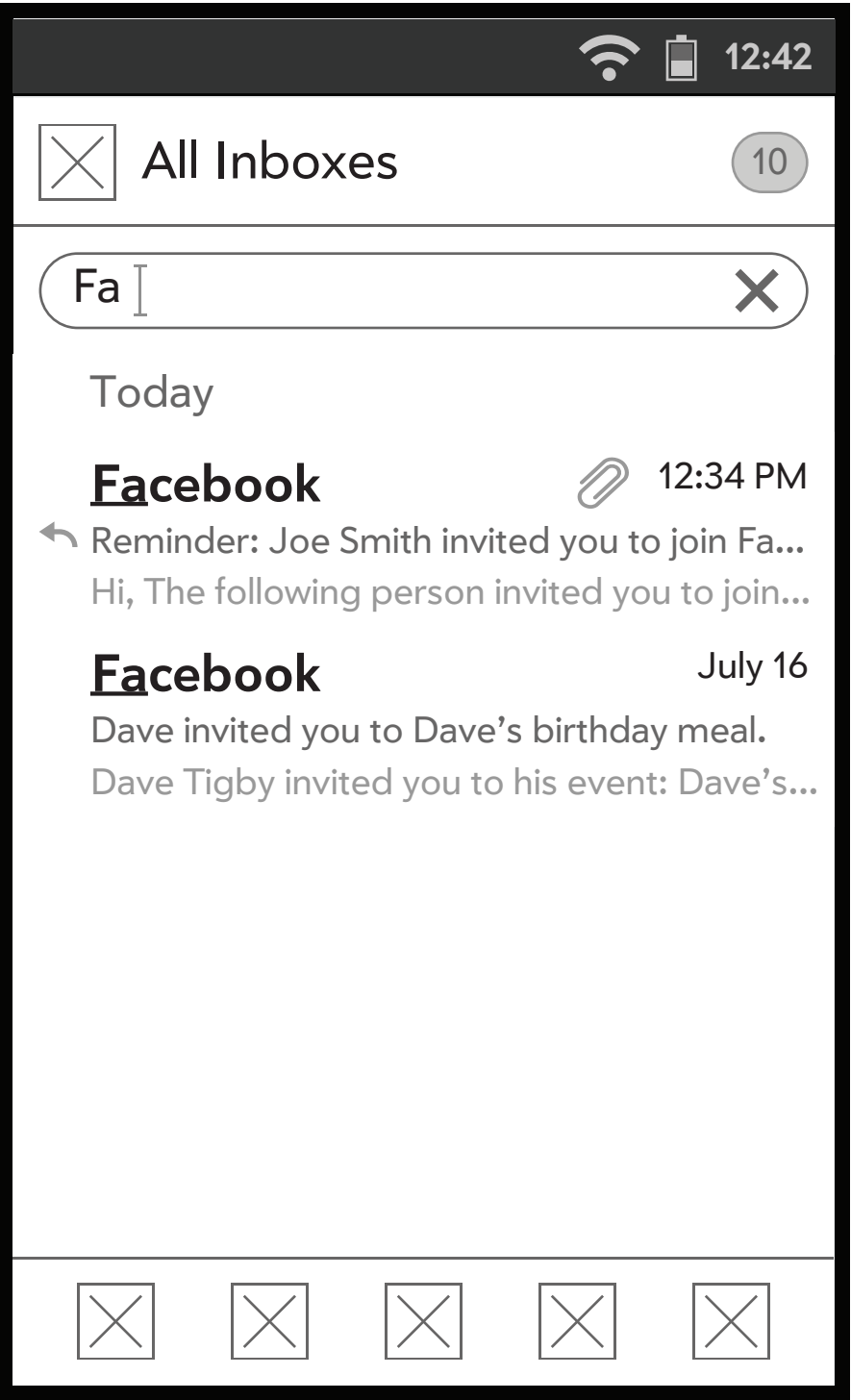
Once a search is performed, the field must be cleared

PLATFORM VARIATIONS

TABLET



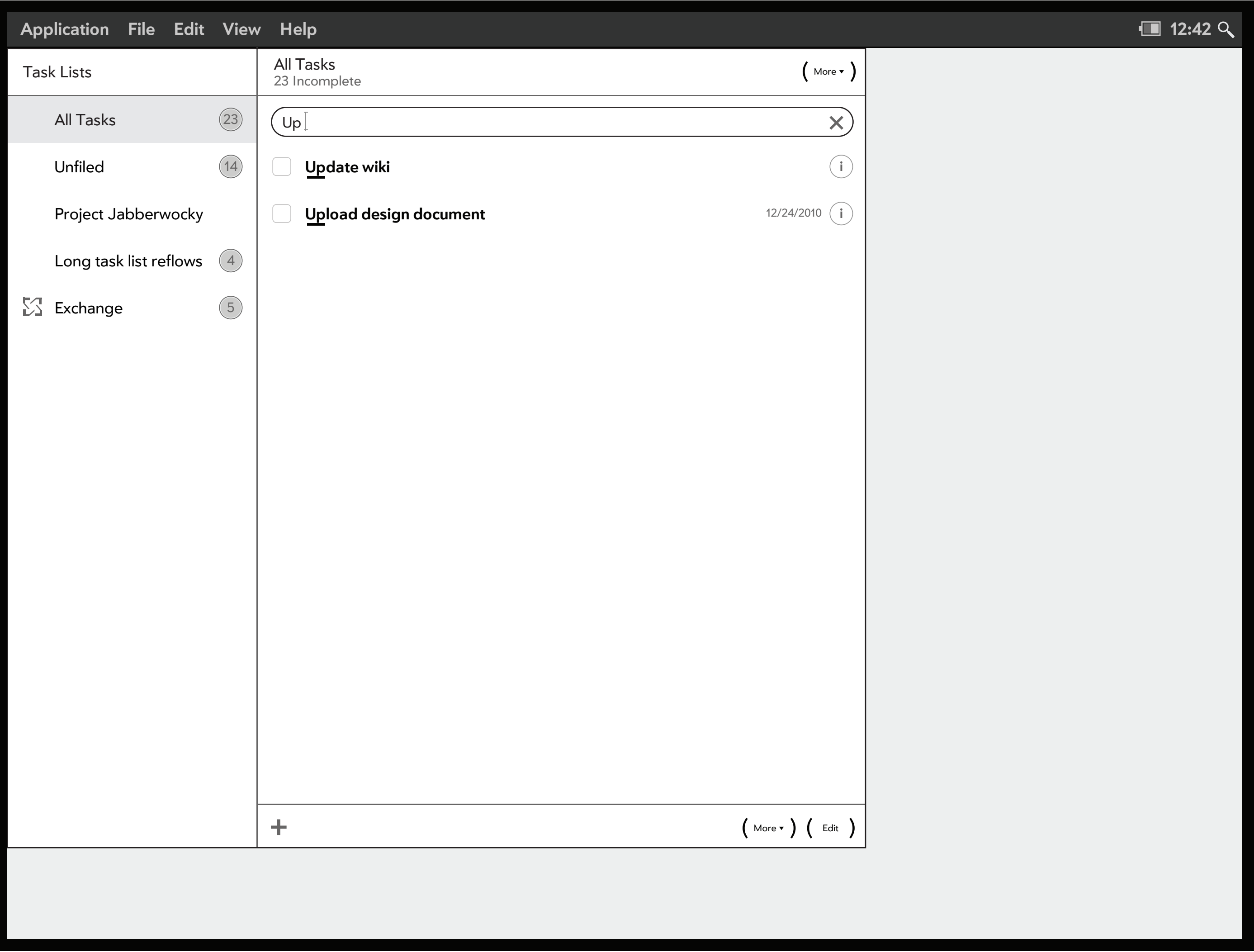
MOBILE



No functional differences between tablet and mobile search input field experiences.

PLATFORM VARIATIONS

PC



TV (TBD)

PHYSICAL KEY INTERACTIONS

Escape
Exits search mode, field loses focus

Delete
Clears field input, field stays focused

Return
Performs search, field stays active

Tab
Moves focus from search field to next focus-able element on the screen

CHANGE HISTORY

7/25/2012

- First Draft

7/30/2012

- Corrected typos

8/23/2012

- Added filtered search example for expanding search widget