

PICKER

INTEGER, DATE, & TIME

2012 JULY 12 | **VERSION 1**

Design Lead

Esther Leong (esther.leong@palm.com)

Visual Design Lead

Cuyler Gee (cuyler.gee@palm.com)

Engineering Lead

Kevin Schaaf (kevin.schaaf@palm.com)

Ben Combee (ben.combee@palm.com)

TABLE OF CONTENTS

Summary & Goals	3
Integer Picker	4
Date Picker	5
Time Picker	6
Examples	
Change Summary	

SUMMARY

Pickers are widgets that allow a user to select from a series of values. There are three types of pickers:

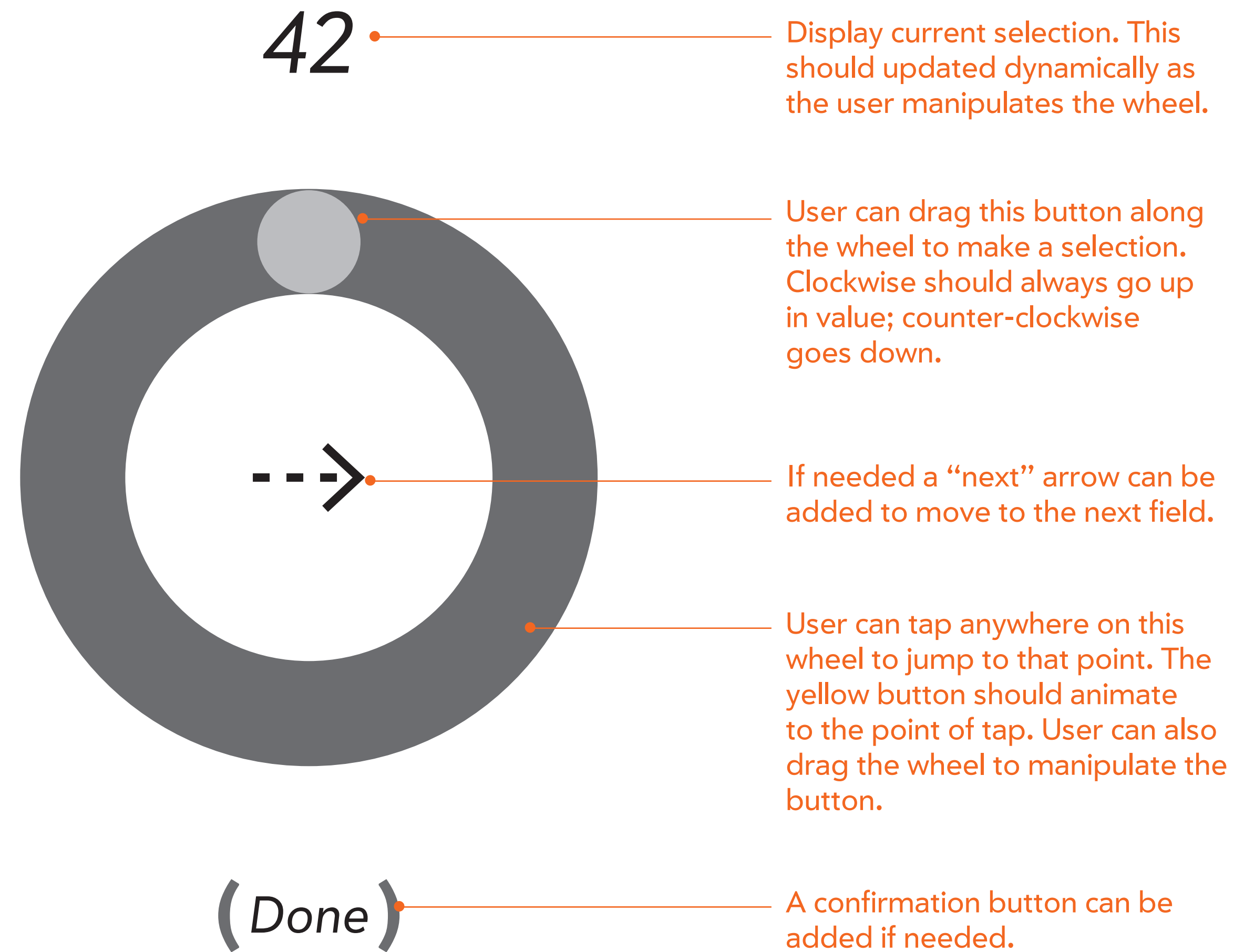
- Integer (generic or with min/max)
- Date
- Time

GOALS

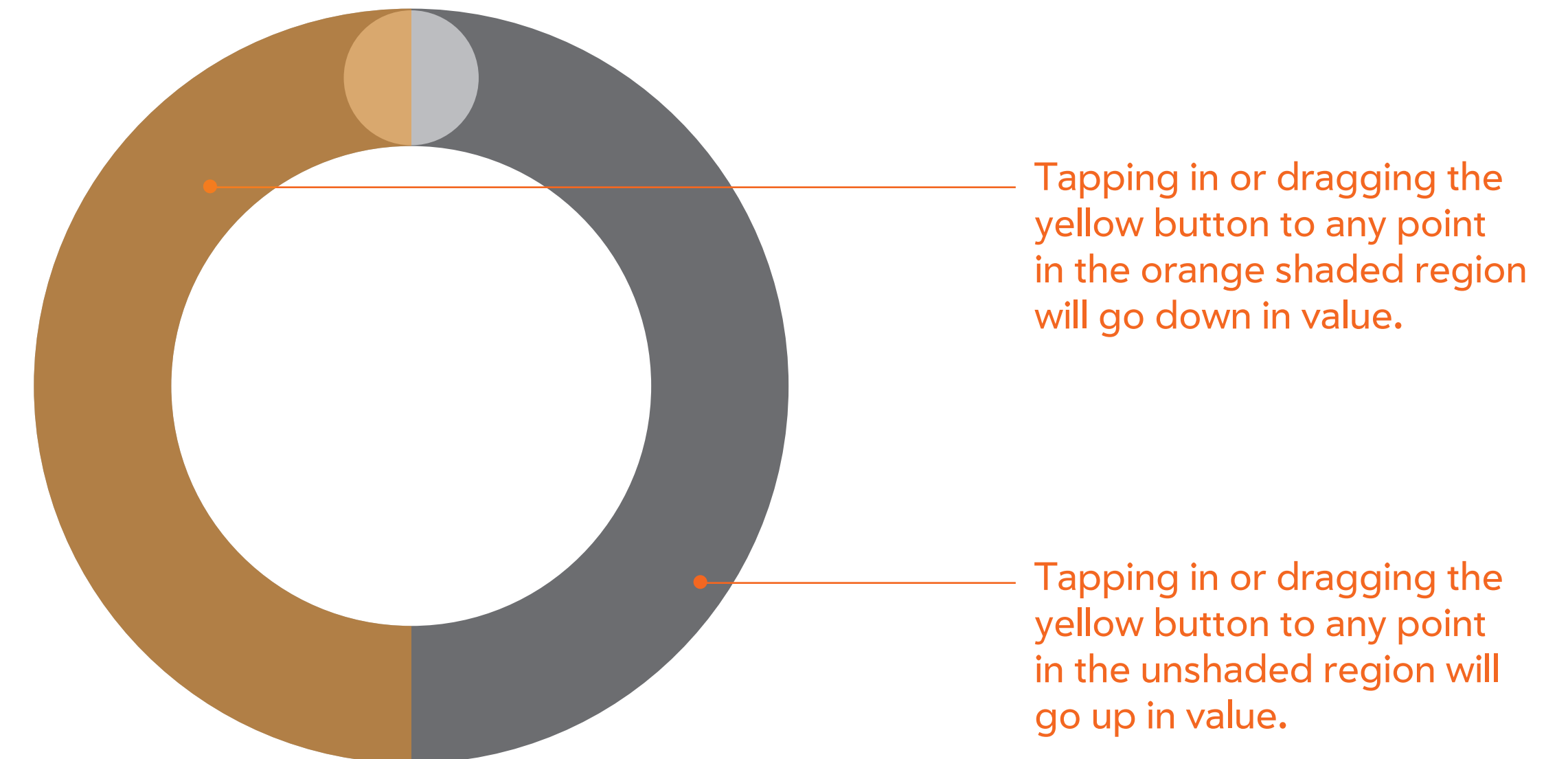
- Give users an fun way to select a number, date, or time.

INTEGER PICKER: GENERIC

STRUCTURE

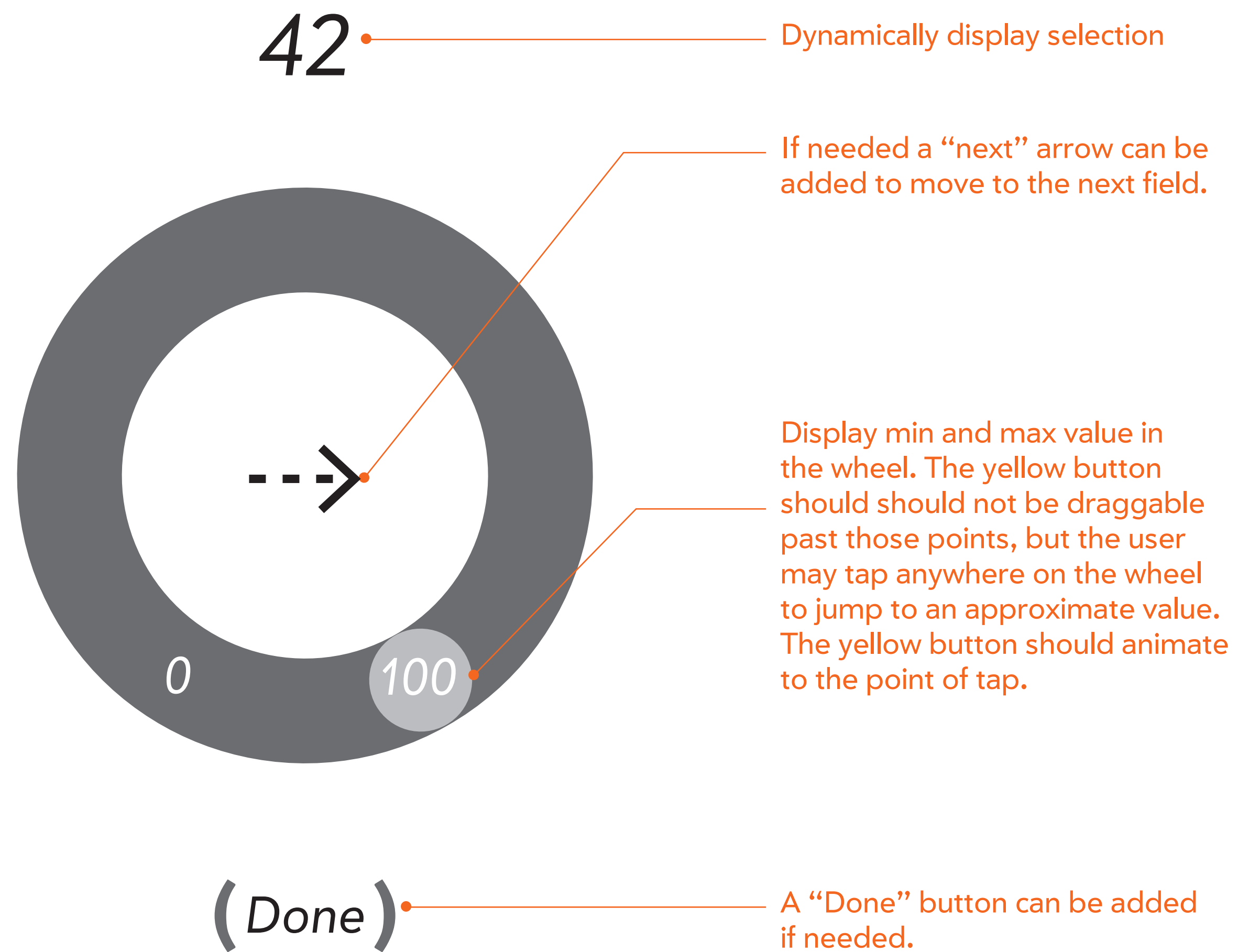


BEHAVIOR



INTEGER PICKER: MIN/MAX

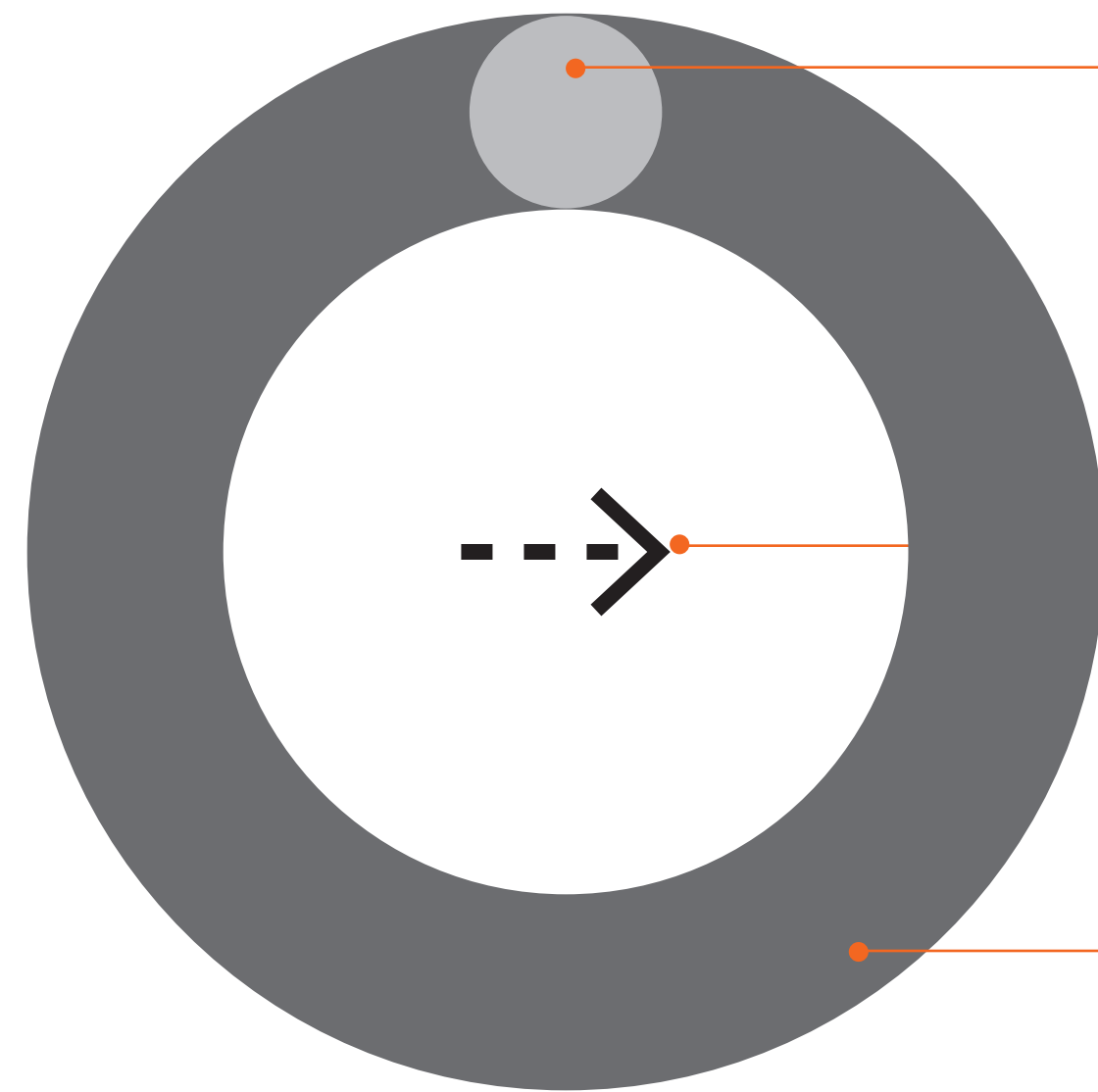
STRUCTURE



DATE PICKER

STRUCTURE

July 11, 2012



Display date. Underline current selection (options are month, day, year). User can tap any of the options to select it, and the underline should animate into the corresponding position and size.

User can drag this button or the wheel itself to make a selection.

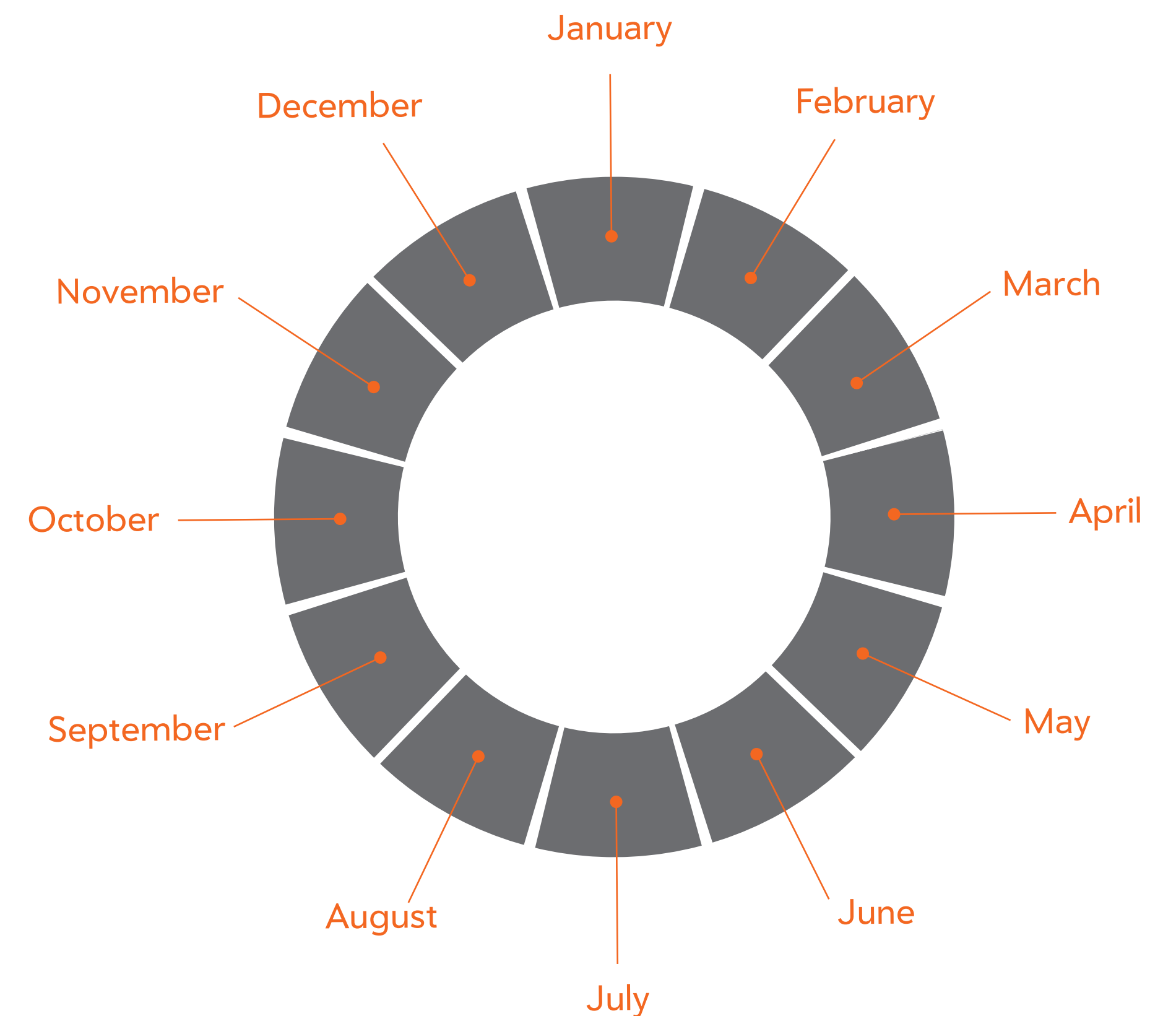
Tap the “next” arrow to move to the next field. If tapped when the selection is already at the rightmost field, go back to the first (leftmost) field.

User can also tap anywhere on the wheel to jump to that point. The yellow button should animate to the point of tap.

(Done)

A confirmation button can be added if needed.

SECTIONING BY MONTH



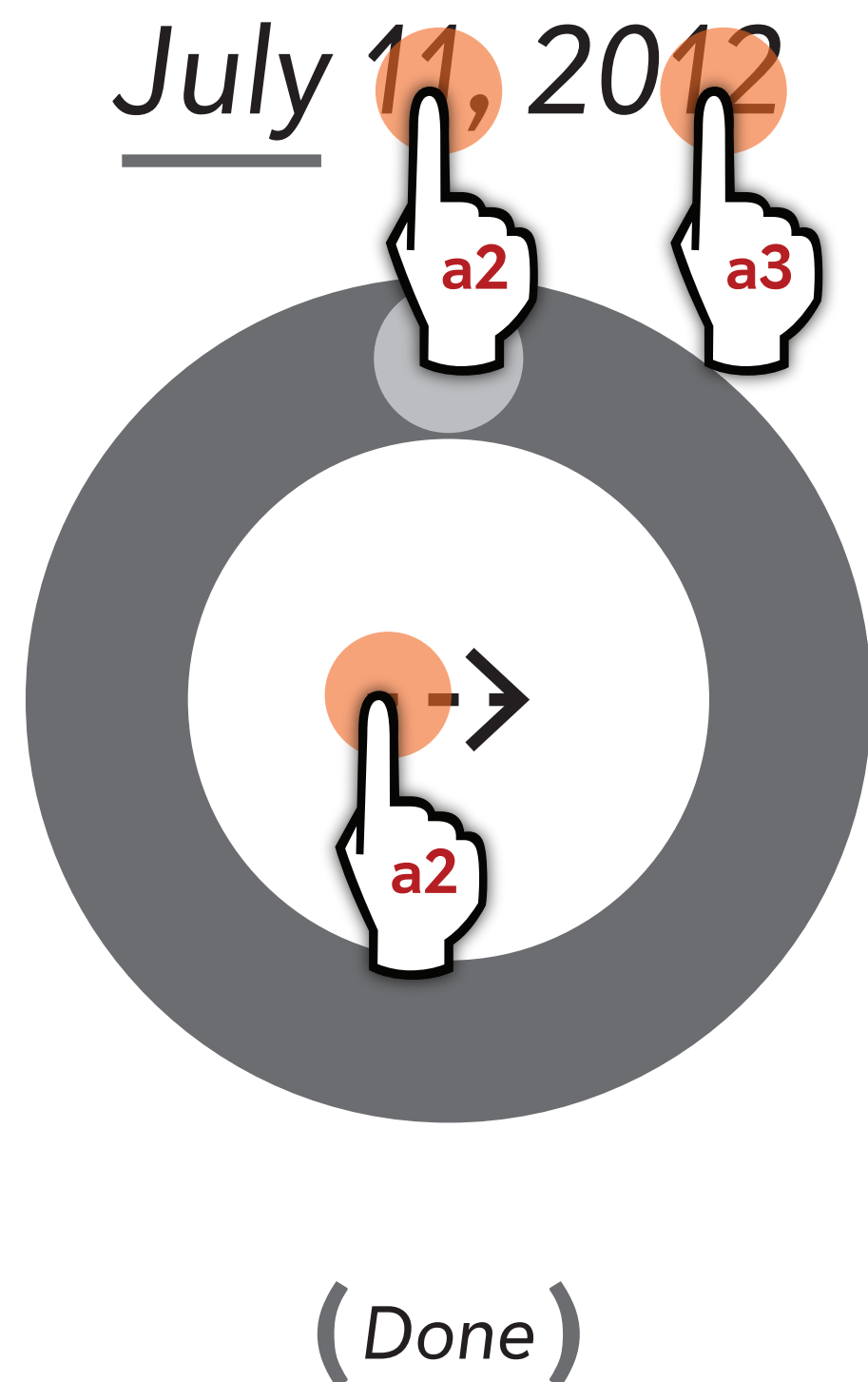
Month: each section on the wheel correspond to a month as illustrated on the right.

Day: sections should correspond roughly to a day, and the available days depend on what month and year is selected (e.g., Feb has 28 or 29 days; July has 31).

Year: is similar to the generic integer picker. Winding clockwise will go up in years; counter-clockwise goes down. As an alternative, developers can use the min/max integer picker to limit the selection.

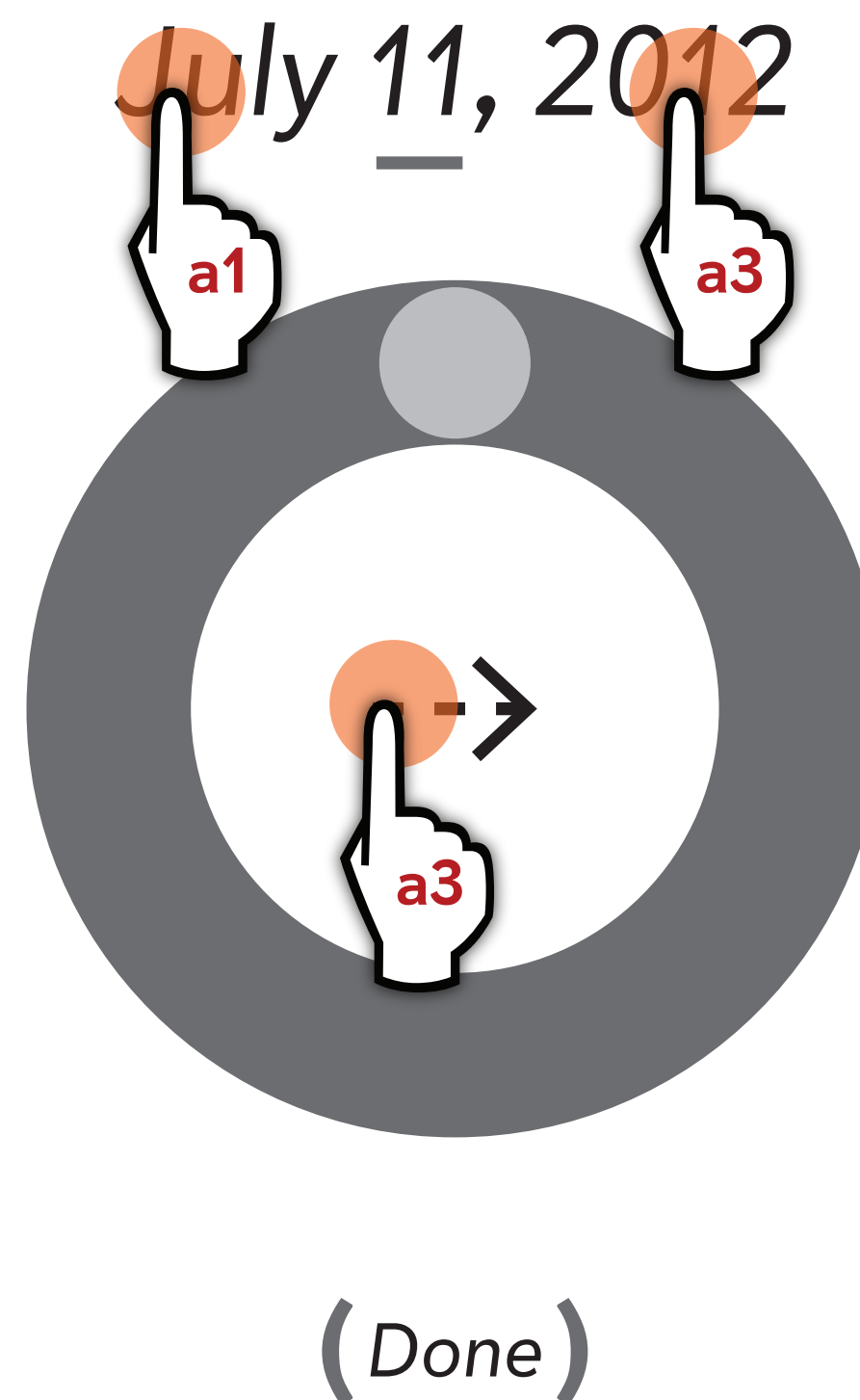
DATE PICKER FLOW

a1. MONTH



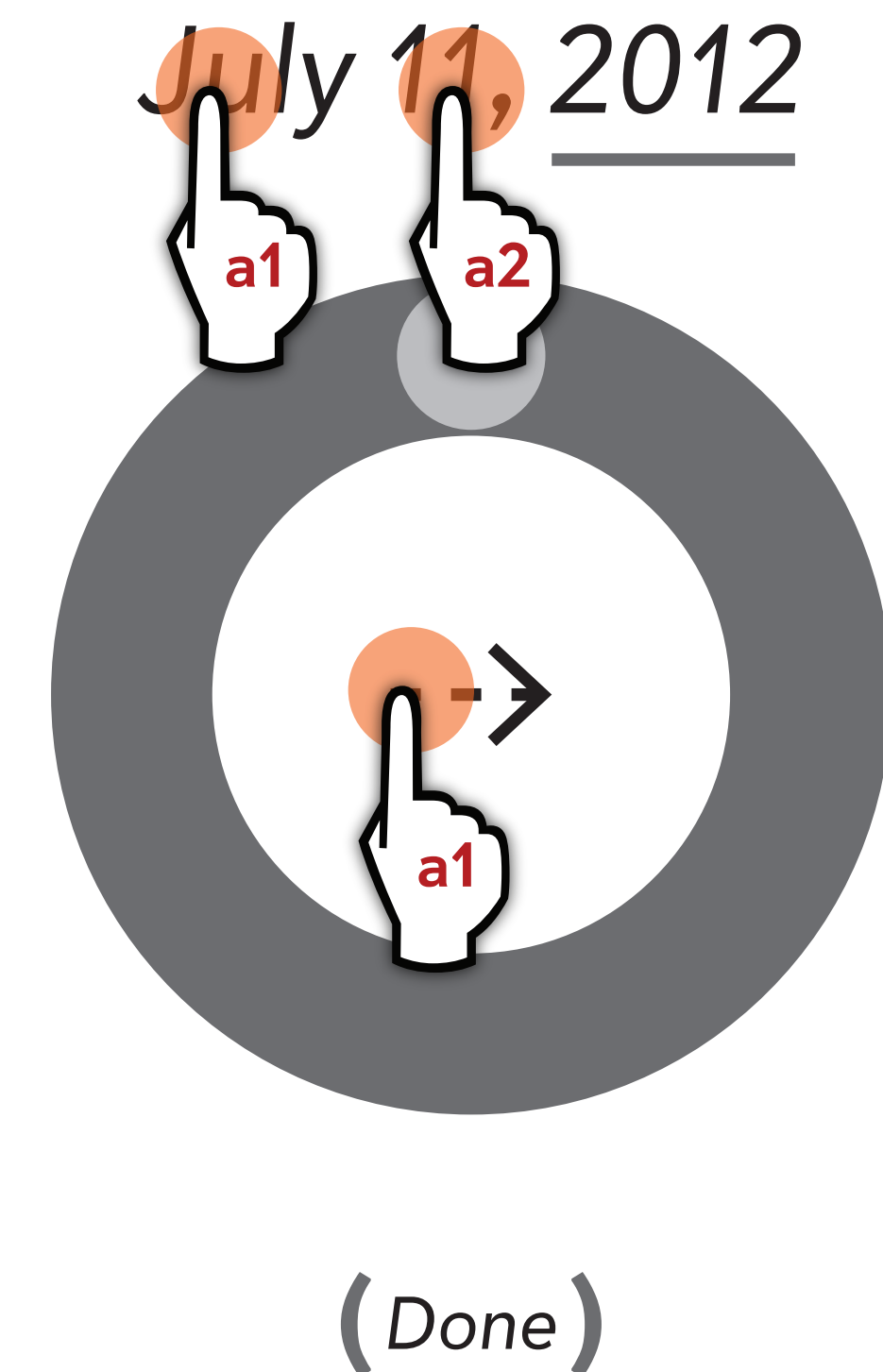
a1. Default selection is month; month is underlined. Wind the wheel to change months. Months are looping. Update months dynamically. Tap the wheel to jump months (see p. 5). Tap the text to move through fields or the arrow to move to the field to the right.

a2. DAY



a2. Underline day and update dynamically when user winds the wheel. Available days should correspond to the month (e.g., Feb. has 28 or 29 days; July has 31). Days are looping. Tap wheel to jump to an approximate day. Tap the text or the arrow to move through the fields.

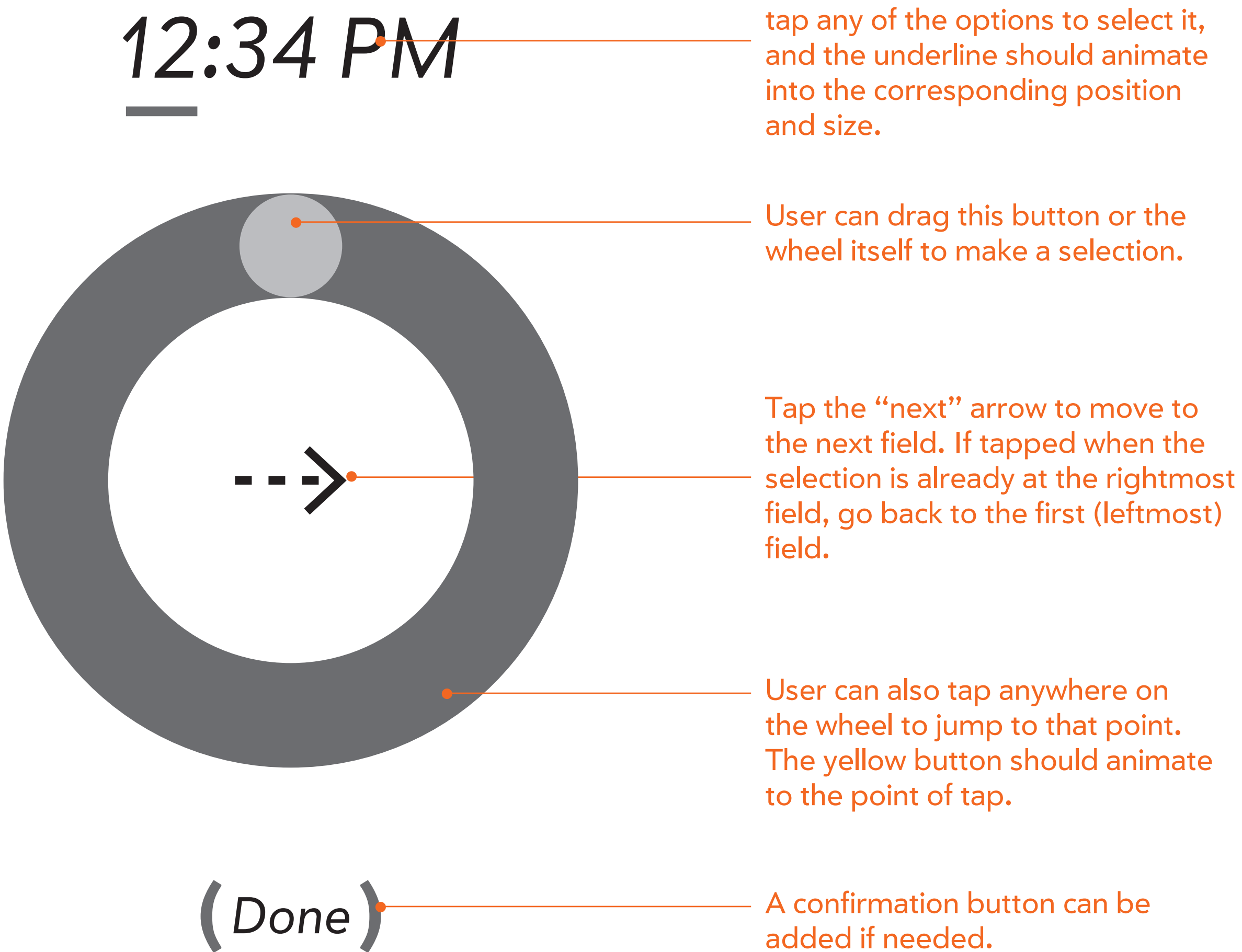
a3. YEAR



a3. Underline the year and update dynamically as user winds the wheel. Tapping up to half the wheel ahead of the yellow button will jump forward in years; tapping anywhere else on the wheel jumps back in years.

TIME PICKER

STRUCTURE



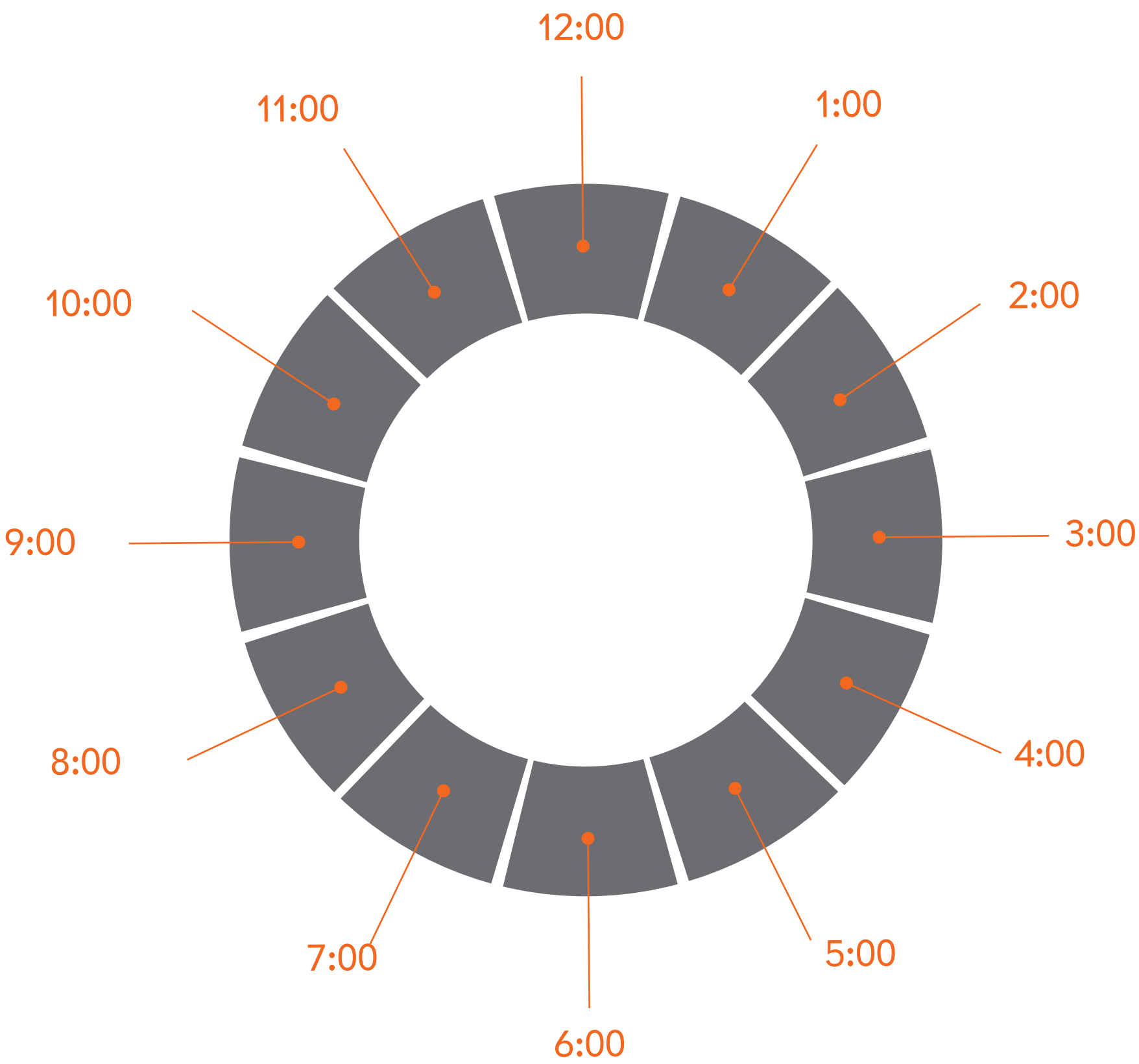
Hour: each section on the wheel correspond to an hour. The wheel can be segmented in 12 hour or 24 hour formats. (See p. 8)

Minutes: sections should correspond roughly to the 60 minutes in an hour.

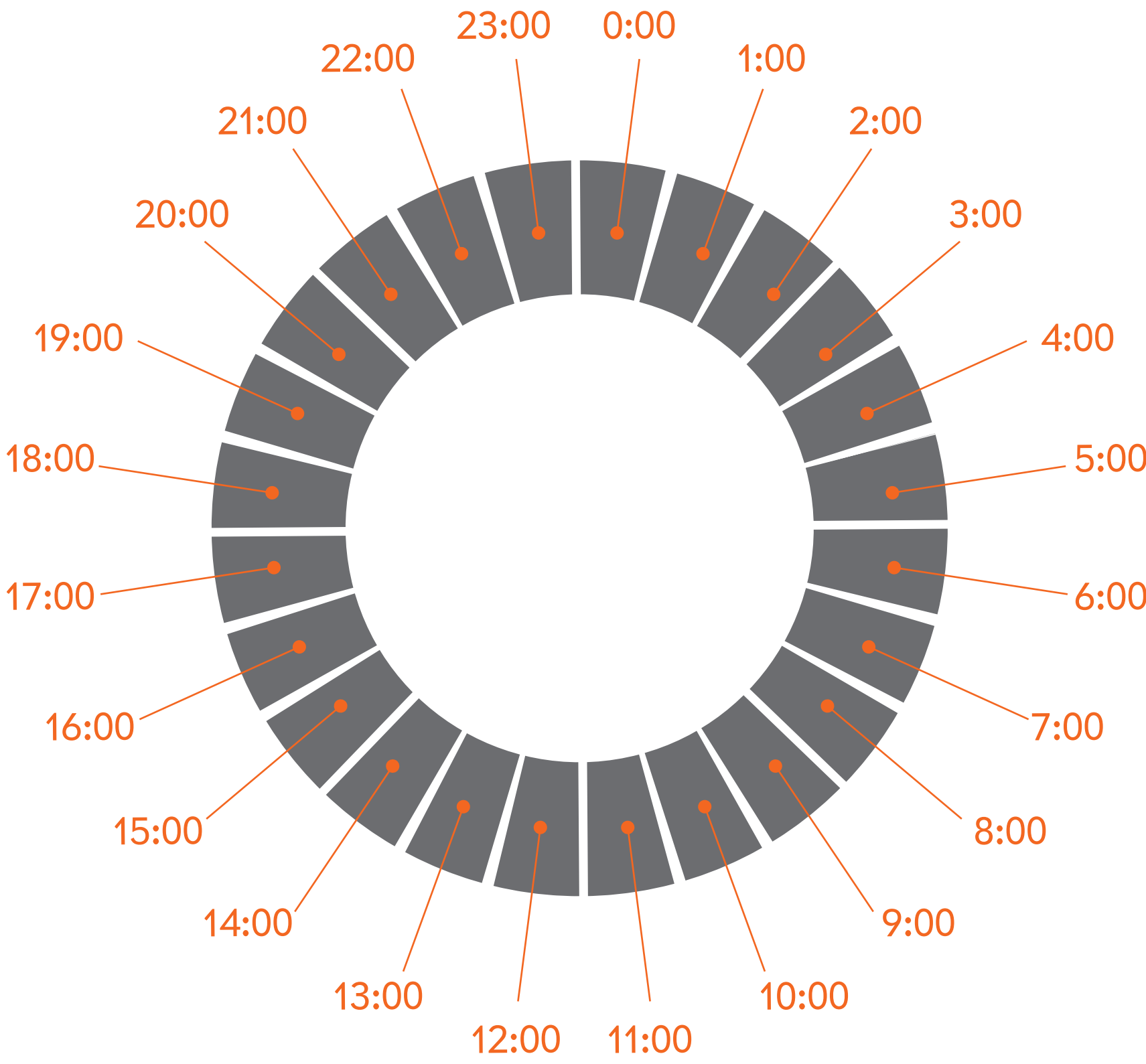
AM/PM: is more of a toggle. Tapping anywhere on or dragging the yellow button to the left side of the wheel will select AM. Tapping on or dragging the button to the right side of the wheel will select PM. (See p. 8)

TIME PICKER: HOUR FORMATS & AM/PM

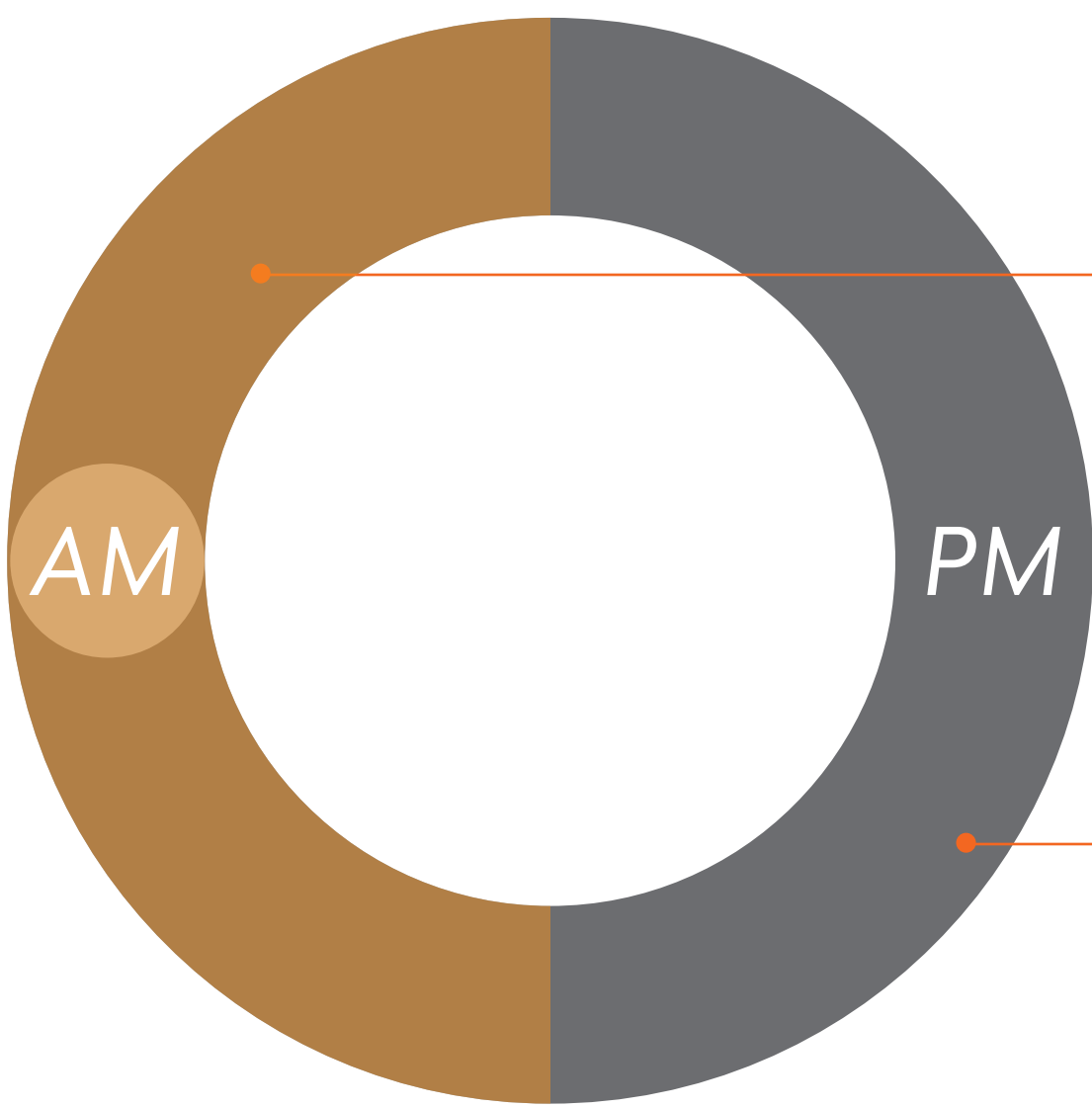
SECTIONING BY HOUR, 12HR FORMAT



SECTIONING BY HOUR, 24HR FORMAT



SECTIONING BY AM/PM

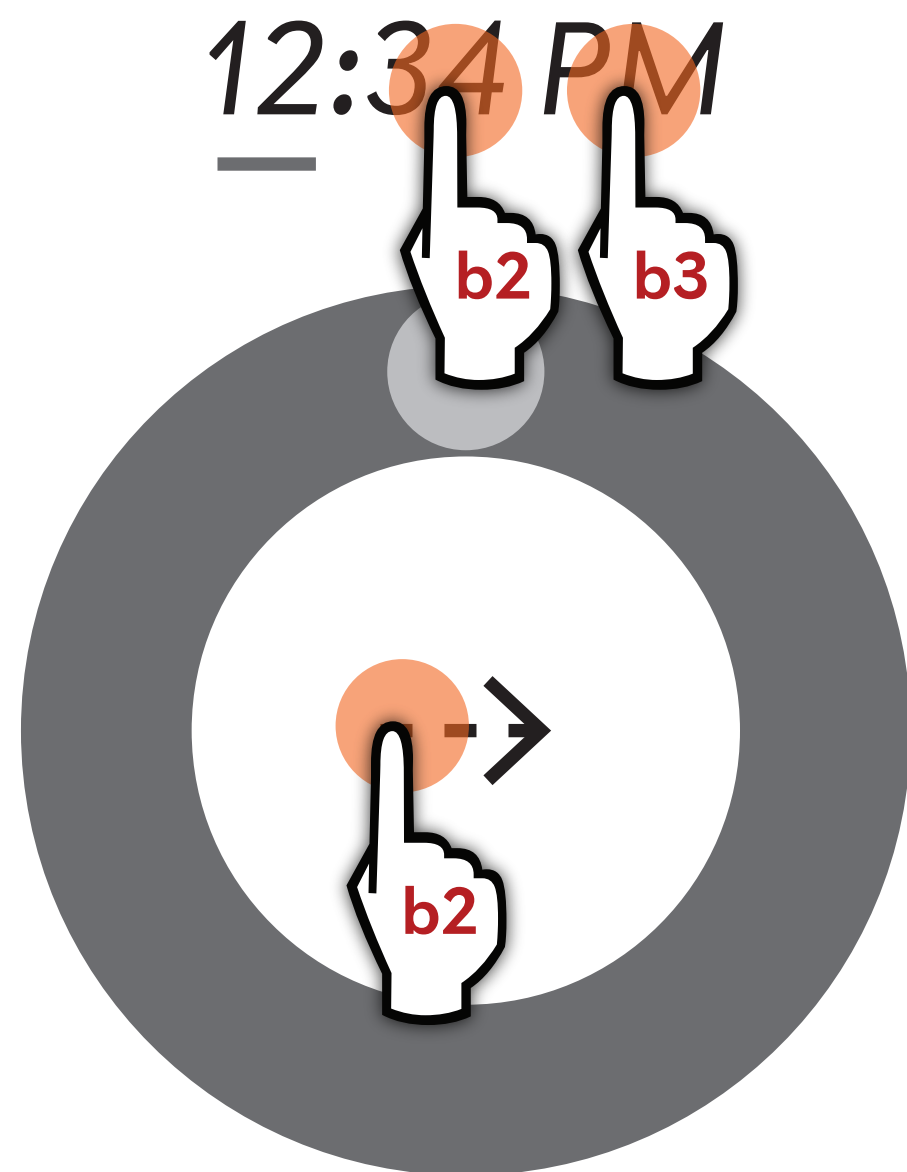


Tapping in or dragging the yellow button to any point in the orange shaded region will select AM. The yellow button should automatically animate so that it sits beneath “AM”, acting as a highlight.

Tapping in or dragging the yellow button to any point in the unshaded region will select PM. The yellow button should then automatically animate so that it sits beneath “PM”, acting as a highlight.

TIME PICKER FLOW

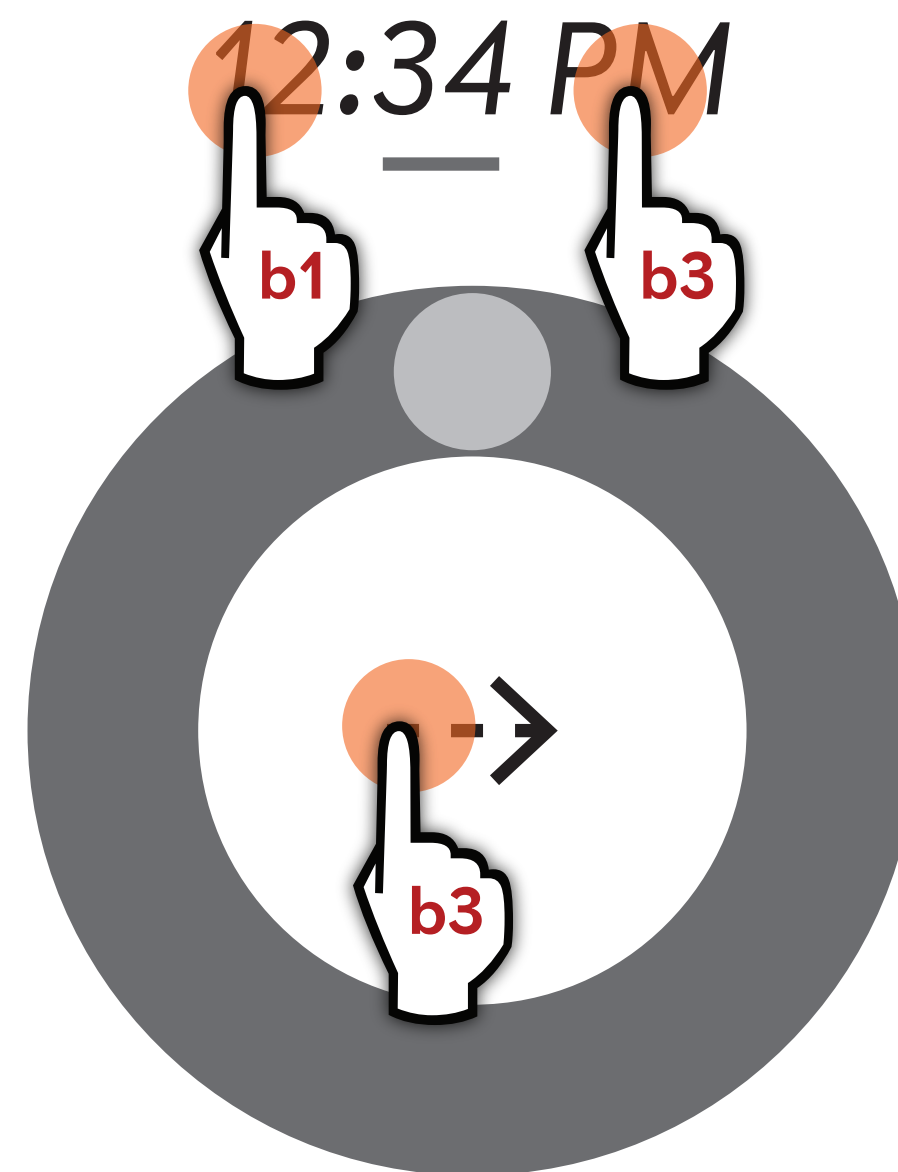
b1. HOURS



(Done)

b1. Default selection is hour; hour is underlined. Wind the wheel to change hours. Hours are looping. Tap the wheel to jump forward or back in hours. Tap the text to select that field or the arrow to move to the field to the right.

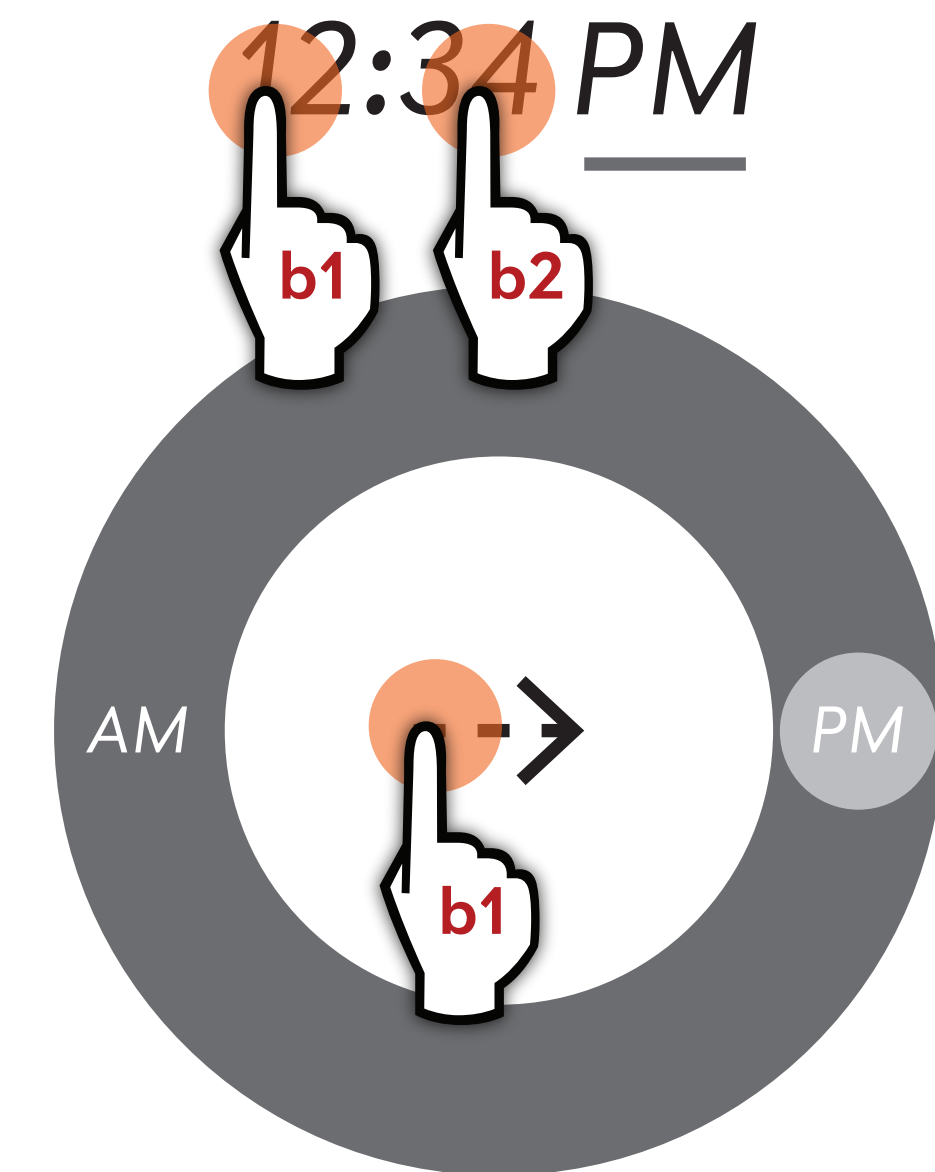
b2. MINUTES



(Done)

b2. Underline minutes and update dynamically when user winds the wheel. Minutes are looping. Tap the wheel to jump forward in minutes.

b3. AM/PM



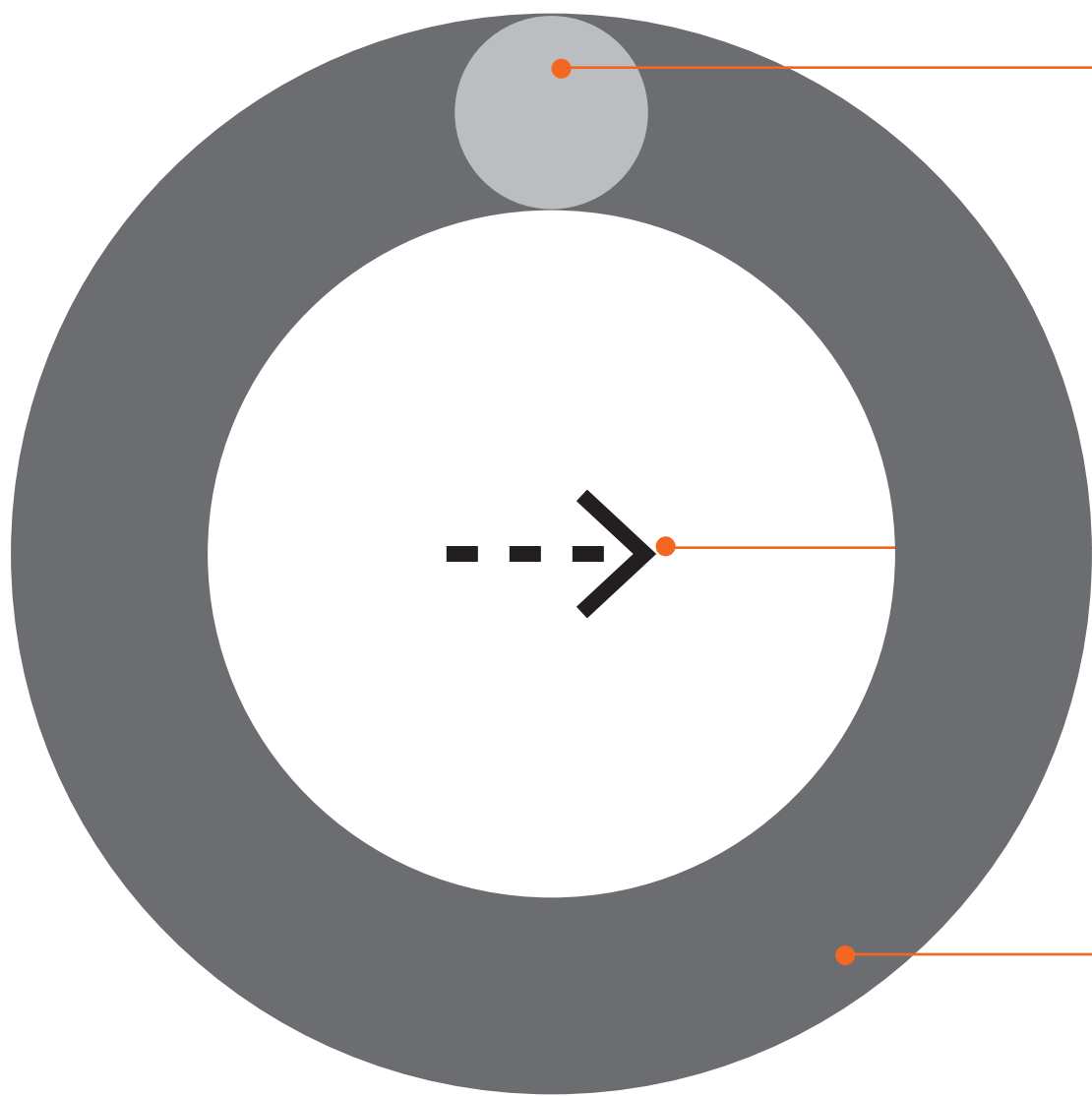
(Done)

b3. Conversation should scroll up to accommodate for the keyboard. User types and taps ENTER.

DATE & TIME PICKER COMBO

STRUCTURE

July 11, 2012 3:21 PM



Display date and time. Underline current selection (options are month, day, year, hour, minute, AM/PM). User can tap any of the options to select it, and the underline should animate into the corresponding position and size.

User can drag this button or the wheel itself to make a selection.

Tap the “next” arrow to move to the next field. If tapped when the selection is already at the rightmost field, go back to the first (leftmost) field.

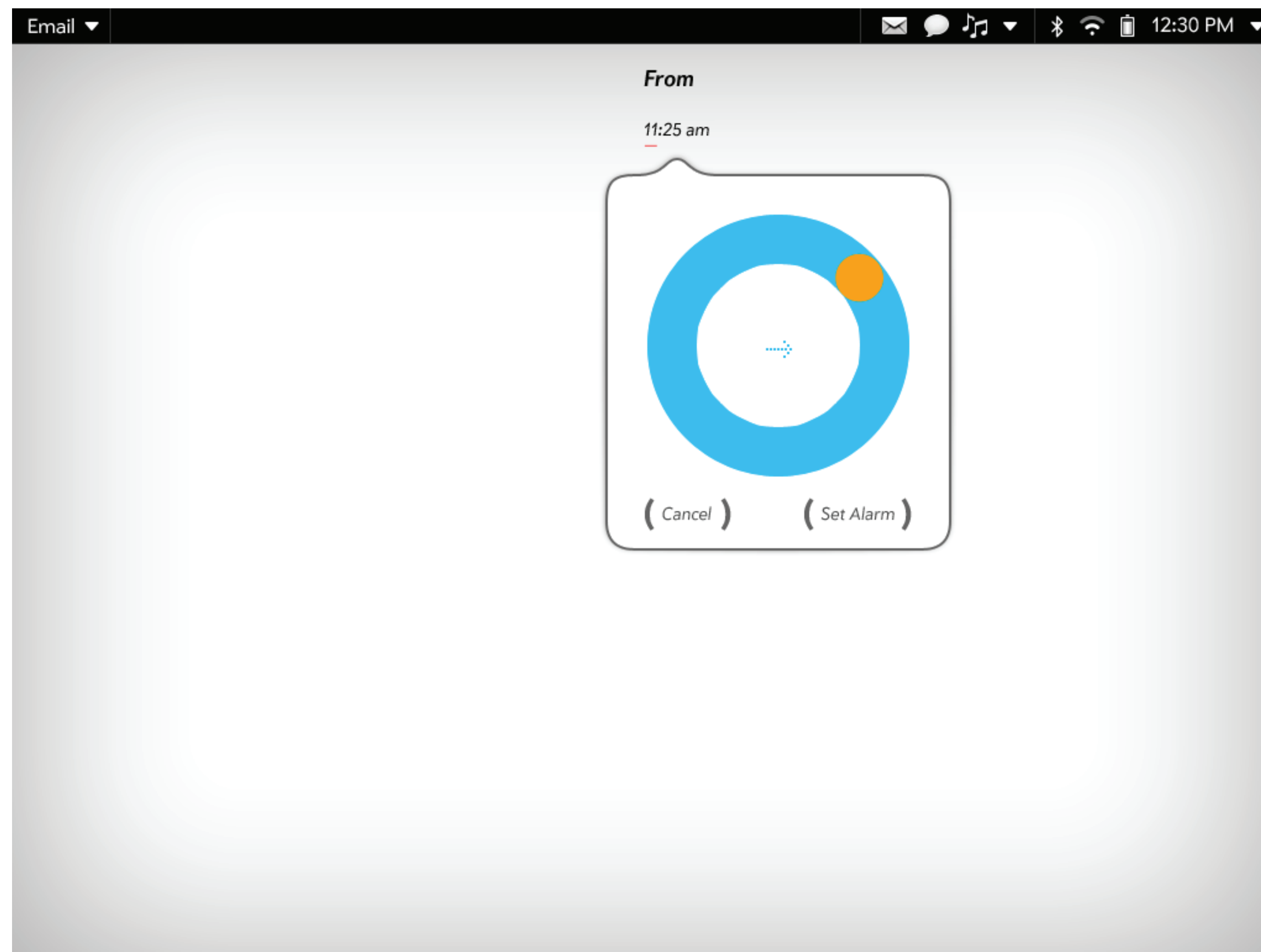
User can also tap anywhere on the wheel to jump to that point. The yellow button should animate to the point of tap.

(Done)

A confirmation button can be added if needed.

The date and time pickers can be combined so that tapping the arrow can move directly from a date field to a time field or vice versa. For more specifics on individual component behaviors, please refer to p. 5-9.

PICKER: VISUAL EXAMPLE



The above is a visual example. Note that the wheel and buttons are contained in a pop-up (see Pop-up documentation) here, while the display of the values is not.

CHANGE HISTORY

7/12/2012

- Document created.