

Date/Time Picker

Mozilla Firefox

Table of Contents

Release Note

OVERVIEW

- Input Types
- General Rules

Date	Month/Year	Time	Week
- Basic Working Flow	- Basic Working Flow	- Basic Working Flow	- Basic Working Flow
- Default Input Box	- Default Input Box	- Default Input Box	- Default Input Box
- Input Box with Limitation	- Input Box with Limitation	- Input Box with Limitation	- Input Box with Limitation
Input Box with Preset Value	Input Box with Preset Value	Input Box with Preset Value	Input Box with Preset Value
Input Box with Preset Max/Min Value	Input Box with Preset Max/Min Value	Input Box with Preset Max/Min Value	Input Box with Preset Max/Min Value
Input Box with Preset Step	Input Box with Preset Step	Input Box with Preset Step	Input Box with Preset Step
Input Box with Preset List	Input Box with Preset List	Input Box with Preset List	Input Box with Preset List
- Keyboard on Input Box	- Keyboard on Input Box	- Keyboard on Input Box	- Keyboard on Input Box
Arrow keys on Input Box	Arrow keys on Input Box	Arrow keys on Input Box	Arrow keys on Input Box
Number keys on Input Box	Number keys on Input Box	Number keys on Input Box	Number keys on Input Box
PageUp/Down keys on Input Box	PageUp/Down keys on Input Box	PageUp/Down keys on Input Box	PageUp/Down keys on Input Box
Home/End keys on Input Box	Home/End keys on Input Box	Home/End keys on Input Box	Home/End keys on Input Box
- Keyboard on Picker	- Keyboard on Picker	- Keyboard on Picker	- Keyboard on Picker
Arrow Keys on Picker	Arrow Keys on Picker	Arrow Keys on Picker	Arrow Keys on Picker
PageUp/Down Keys on Picker	PageUp/Down Keys on Picker	PageUp/Down Keys on Picker	PageUp/Down Keys on Picker
Home/End keys on Picker	Home/End keys on Picker	Home/End keys on Picker	Home/End keys on Picker
Tab/Space/Enter/Esc keys on Picker	Tab/Space/Enter/Esc keys on Picker	Tab/Space/Enter/Esc keys on Picker	Tab/Space/Enter/Esc keys on Picker
- Error Message	- Error Message	- Error Message	- Error Message
- Localization	- Localization	- Localization	- Localization
- RTL	- RTL	- RTL	- RTL
			DateTime Local
			- Basic Working Flow

Release Note

V 0.1	May 05, 2016	Morpheus Chen, Tina Hsieh	Create draft for date/time picker
V 0.2	May 10, 2016	Morpheus, Tina	Create prototype A and B to test confirmation mechanism if needed
V 0.3	May 18, 2016	Morpheus, Tina	Update spec based on first round testing
V 0.4	May 25, 2016	Morpheus, Tina	Create basic mechanism for date picker
V 0.5	June 24, 2016	Morpheus, Tina	Add technical spec criteria, input box and keyboard interaction
V 0.8	July 01, 2016	Morpheus, Tina	Finalize Month, Time, Week and Date-Time pickers
V 0.9	July 13, 2016	Morpheus, Tina	Update preset Max/min and Step for Month and Time picker
V 1.0	July 16, 2016	Morpheus, Tina	Update repeatedly scrollers, error message, default format
V 1.1	July 20, 2016	Morpheus, Tina	Update Shift+Tab to trigger picker, Esc to dismiss, default date format
V 1.2	July 27, 2016	Morpheus, Tina	Update general rules, arrow keys in input box when step sets
V 1.3	August 17, 2016	Morpheus, Tina	Show highlight status after deleting value in input box Update Page UP/Down on month column



OVERVIEW

Input Types

mm / dd / yyyy

<APRIL 2016>

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4

1. Date

Define a date control

mm / yyyy

^ ^

JAN	2013
FEB	2014
MAR	2015
APR	2016
MAY	2017
JUN	2018
JUL	2019

v v

2. Month

Define a month and year control

-- : -- --

^ ^

7	15
8	16
9	17
10	18
11	19
12	20
1	21

AM PM

v v

3. Time

Define a control for entering a time

Week -- , yyyy

<APRIL 2016>

Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
13	29	30	31	1	2	3	4
14	5	6	7	8	9	10	11
15	12	13	14	15	16	17	18
16	19	20	21	22	23	24	25
17	26	27	28	29	30	1	2

4. Week

Define a week and year control

mm / dd / yyyy, -- : -- --

<APRIL 2016>

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4

5. DateTime-local

Define date and time control

mm / dd / yyyy, -- : -- --

^ ^

7	15
8	16
9	17
10	18
11	19
12	20
1	21

AM PM

v v

Note:


All 5 pickers can be categorized into 3 major modules, including Date, Month, and Time. DateTime-local applies Date and Time module within one inputfield.



General Rules

Set Value but Quit

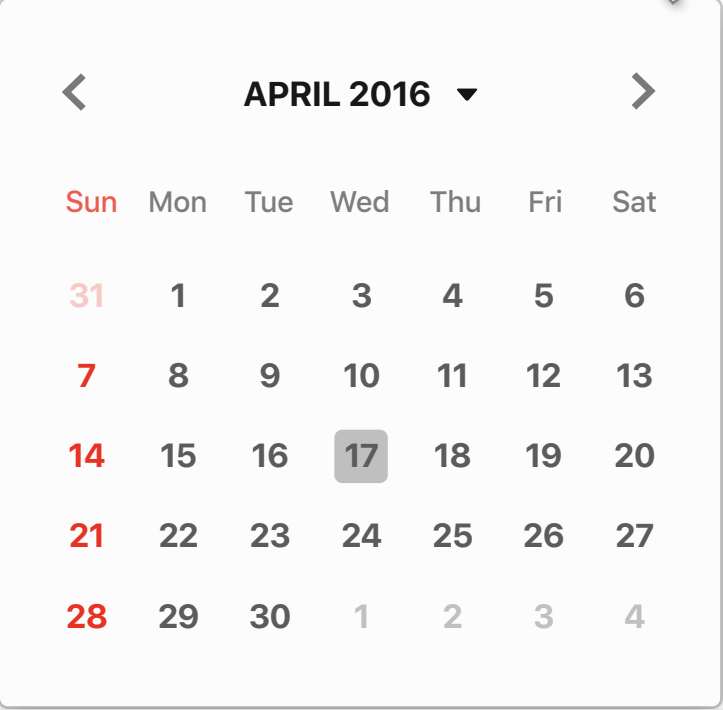
A 04 / dd / yyyy



Click Outside of the Picker

04 / dd / 2016

B



Collapse and Save

04 / dd / 2016

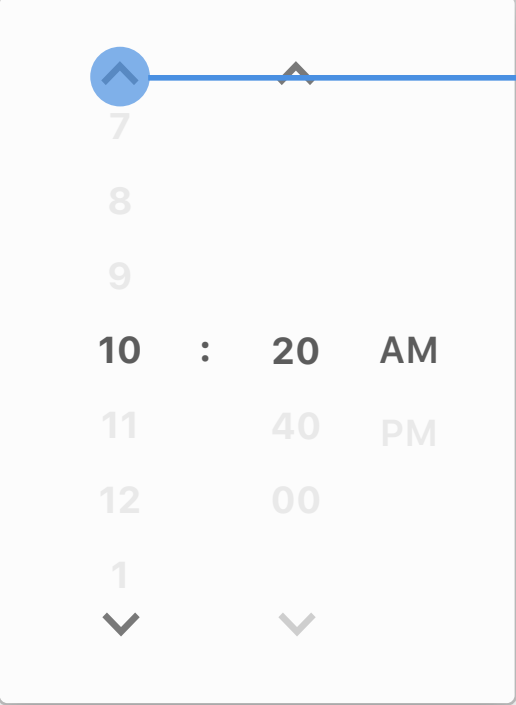
C



Today is set as 04/17/2016 across the entire spec.

Pickers with Preset Criteria

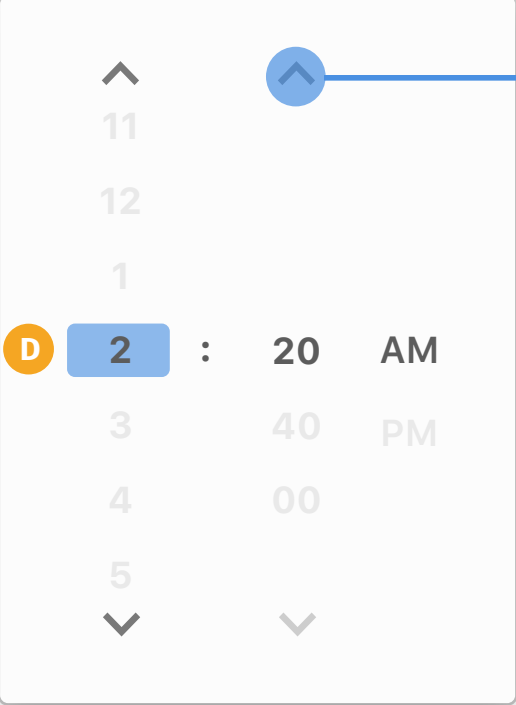
-- : -- --



Infinite Scroll

02 : -- --

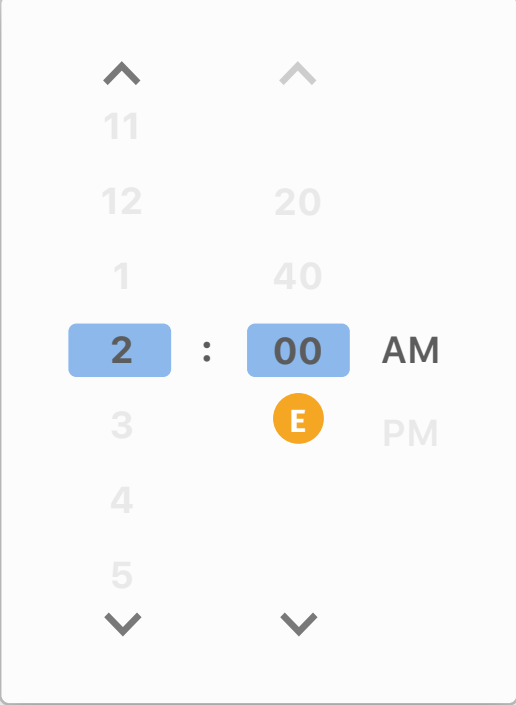
D



Limited Scroll

02 : 00 --

E



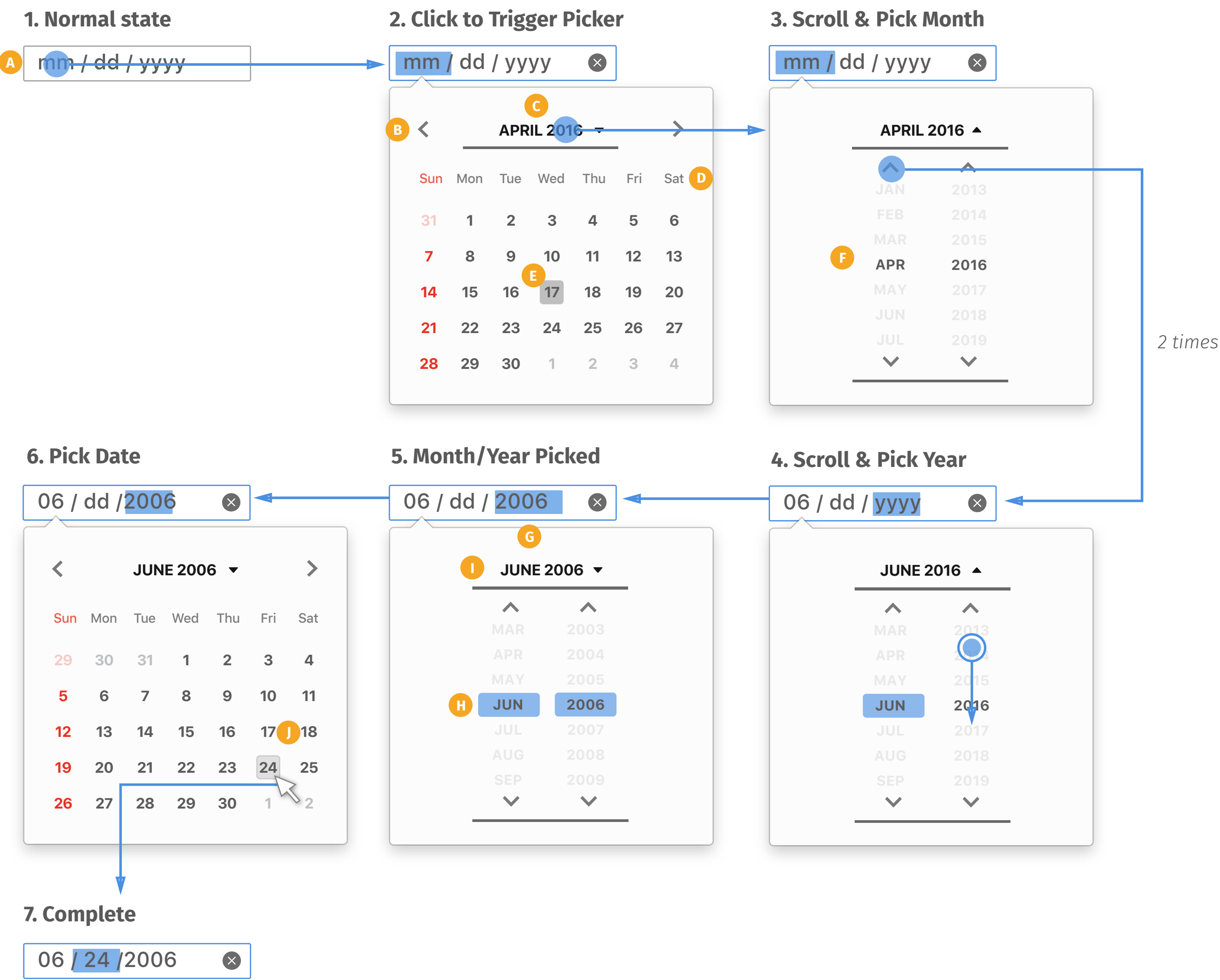
NOTE

- A** Whenever users pick value on pickers, it will reflect in input box.
- B** Users can click outside of the picker to dismiss the picker.
- C** Whenever users dismiss the picker, the selected value will be stored.
- D** The scroller will be infinite when there are 7 items and above for scrolling.
- E** The scroller will be limited when there are 6 items and below for scrolling.



Date

Basic Working Flow



NOTE

- A** Default input field displays mm/dd/yyyy, but vary based on locale.
- B** Forward/Back can help user move to the next/last month.
- C** When highlighting, showing hover state. Click to expand month/year picker for user to choose.
- D** Display first 3 alphabets as day of the week. Applying red color to visually differentiate holidays, which is based on locales.
- E** Indicator for today.
- F** Applying transparent to visually differentiate dates between picked month and next/last month.
- G** Whenever user picks month/year, the highlight in input box will move to picked segment and change value simultaneously.
- H** Picked item needs selected state to indicate user.
- I** Whenever user finishes selecting or tap on the title, month/year picker collapses and go back to date picker.
- J** Indicator for hover state.



Default Input Box

Normal state

mm / dd / yyyy

All Picked

06 / 26 / 2006

×

mm / dd / yyyy

Hover state

A mm / dd / yyyy

NOTE

- A Hover state will highlight the input box whenever user moves cursor on or uses tab to select.
- B Delete button displays when user edits any segment, and it will

Pick Date

04 / 25 / 2016

×

<

APRIL 2016

>

Sun

Mon

Tue

Wed

Thu

Fri

Sat

31

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

1

2

3

4

Pick Month

04 / dd / yyyy

×

APRIL 2016

^

JAN

FEB

MAR

APR

MAY

JUN

JUL

^

2013

2014

2015

2016

2017

2018

2019

^

Pick Year

mm / dd / 2016

×

APRIL 2016

^

JAN

FEB

MAR

APR

MAY

JUN

JUL

^

2013

2014

2015

2016

2017

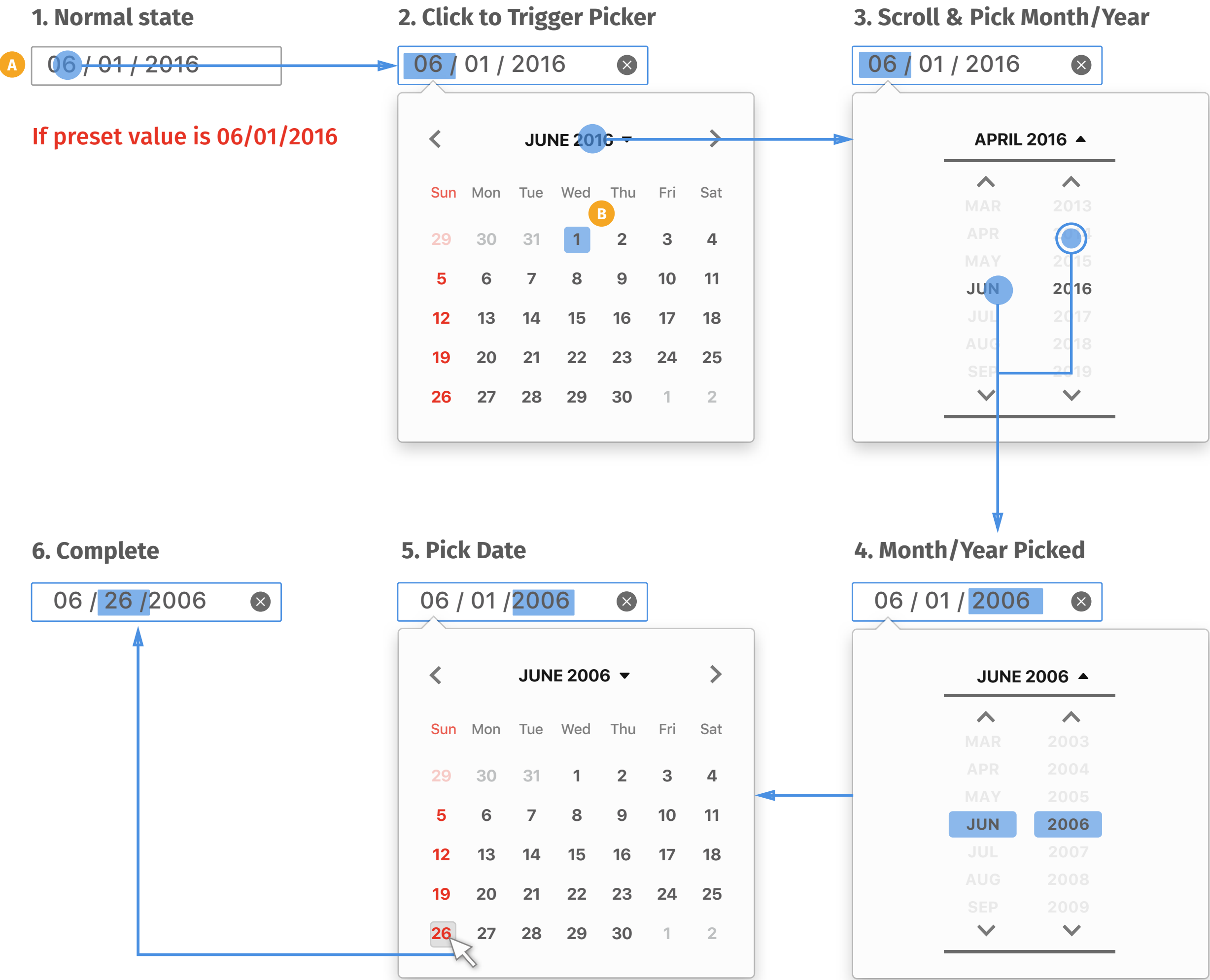
2018

2019

^



Input Box with Preset Value



NOTE

- A Web author can set a preset value to display in input box.
- B When triggering the picker, the calendar will show the month of the preset date and show selected state as default.



Input Box with Preset Max/Min Value

1. Normal state

mm / dd / yyyy

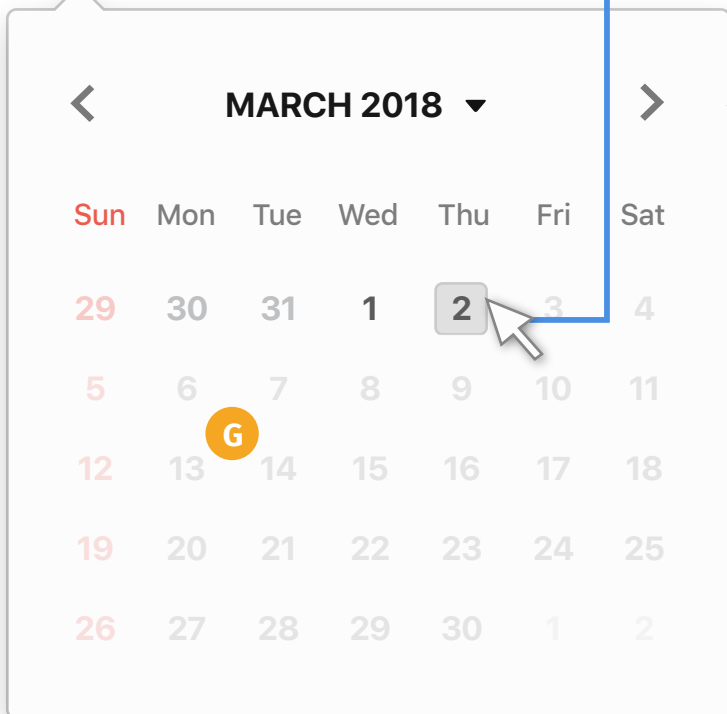
If Min: 04/15/2016
Max: 03/02/2018

6. Complete

Mar / 02 / 2018

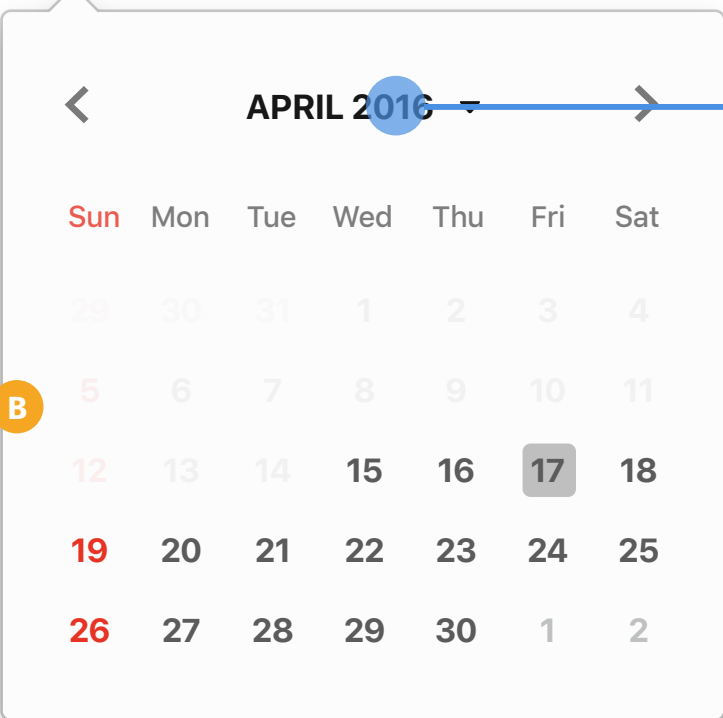
5. Pick Date

05 / dd / 2018



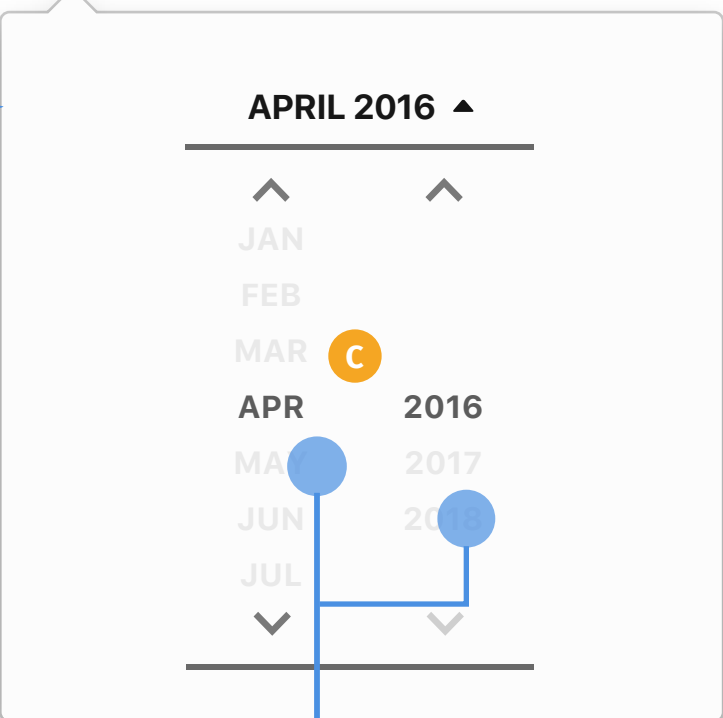
2. Click to Trigger Picker

mm / dd / yyyy



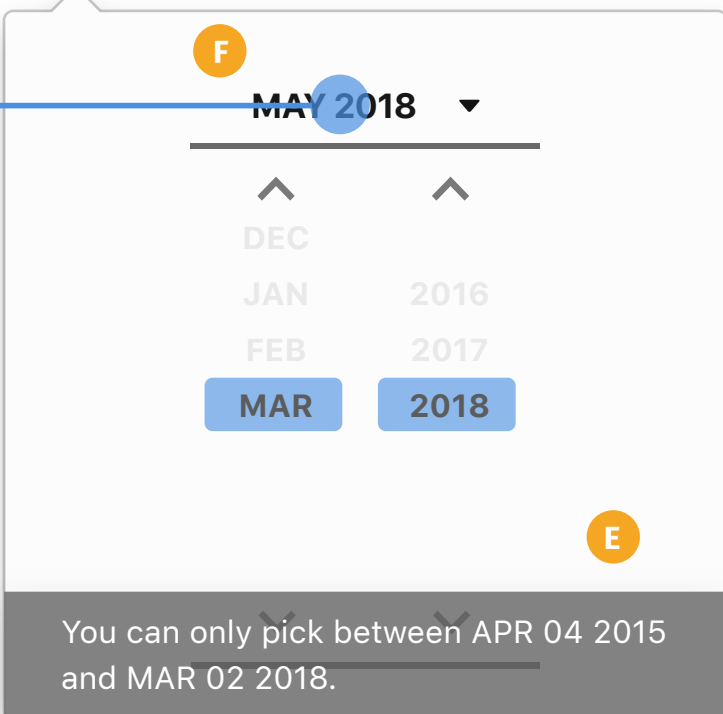
3. Scroll & Pick Month/Year

mm / dd / yyyy



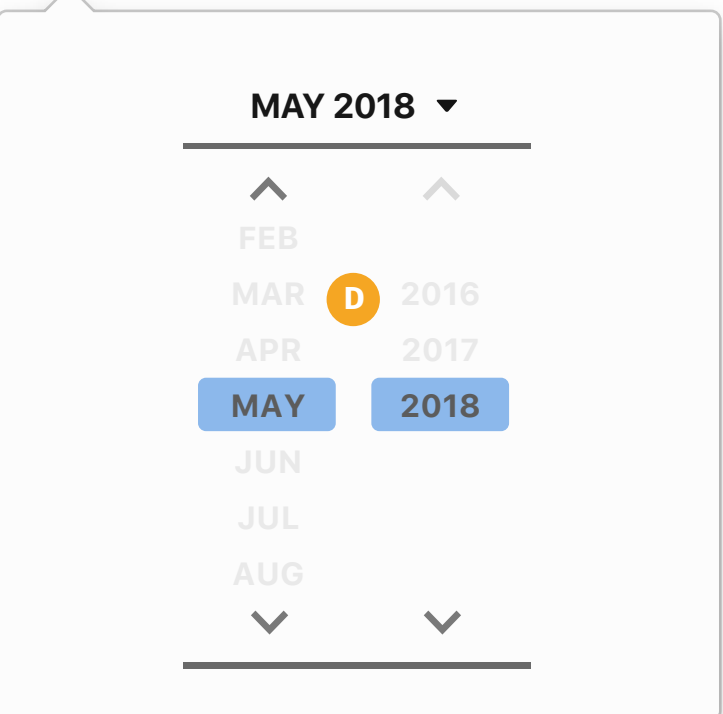
4. Auto-Correct

05 / dd / 2018



4. Scroll & Pick Month/Year

05 / dd / 2018



NOTE

- A** Web authour can set minimun and maxmum of date as a range for user to pick from.
- B** The dates which are outside of the preset range will become disabled.
- C** The picker will display all months as options but only show available years for users. However, if user picks year first, the picker will only display the available months.
- D** If user finishes both selections of month and year and browser detects the selection is out of range, the selection will be auto-corrected instead of collapsing and back to input box.
- E** Auto-correction will change the value to the minimum value if user picks an older time, and vice versa. There will be a message displayed to inform user the preset max/min value.
- F** User can click on the title to return to date picker or scroll the picker to continue change values.
- G** User can only pick available dates within the range. The disabled dates won't show hover state when mouse over.



Input Box with Preset Step

1. Normal state

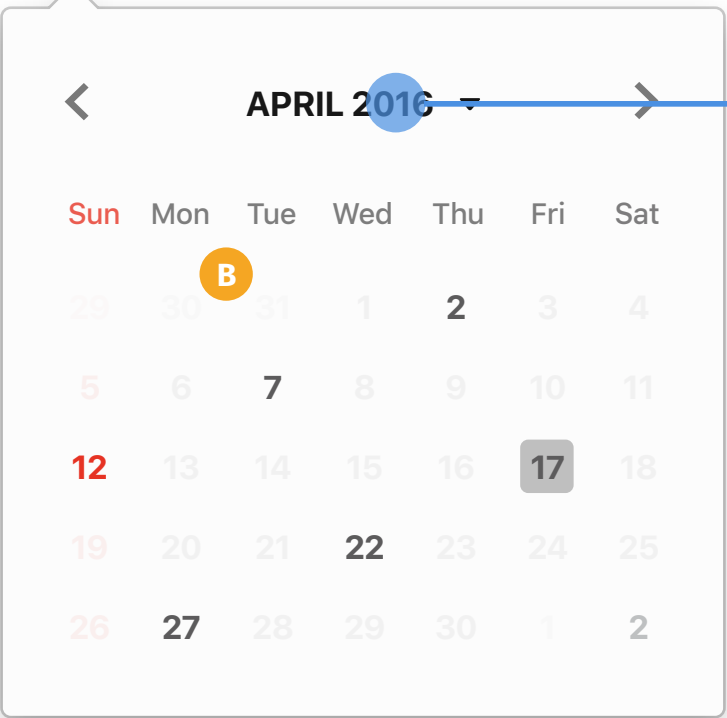
mm / dd / yyyy

If step sets 5 days

A

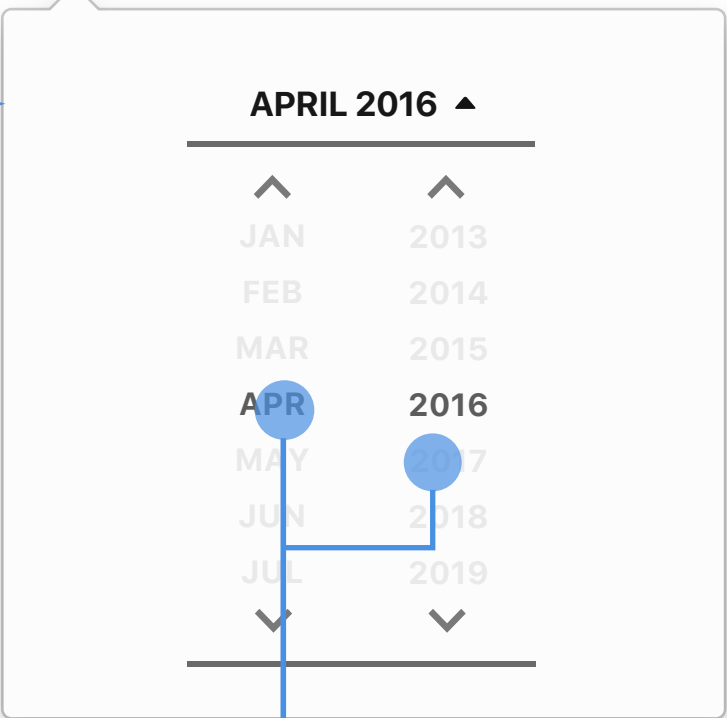
2. Click to Trigger Picker

mm / dd / yyyy



3. Scroll & Pick Month/Year

mm / dd / yyyy

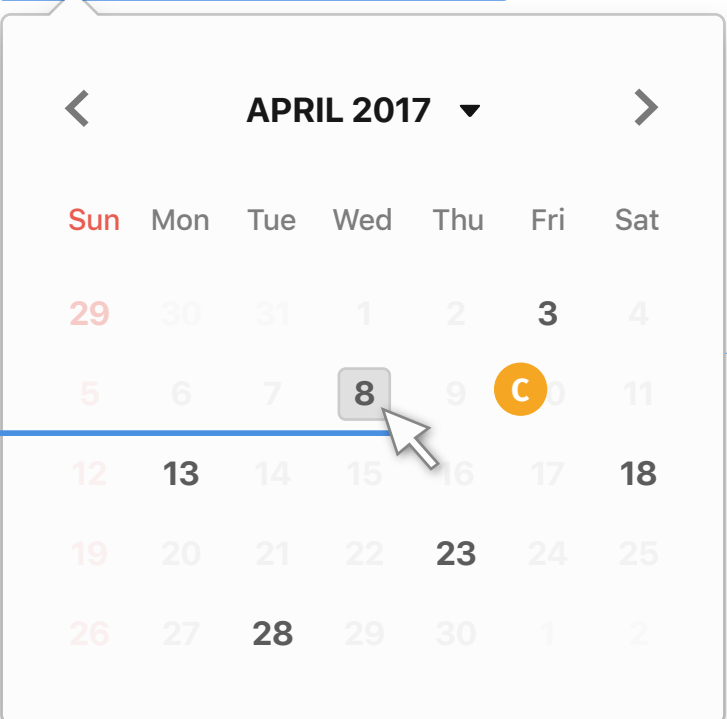


6. Complete

04 / 08 / 2017

5. Pick Date

04 / dd / 2017



4. Month/Year Picked

04 / dd / 2017



NOTE

- A Web author can set to skip amount of dates as step for user to pick from.
- B The dates which are outside of the preset step will become disabled. If web author doesn't set start date, today becomes default start day.
- C User can only pick available dates based on the step. The disabled dates won't show hover state when mouse over.



Input Box with Preset List

1. Normal state

mm / dd / yyyy

2. Click to Trigger Picker

mm / dd / yyyy

A

04 / 26 / 2016

B

Other ...

If List sets below items as suggestions:
04/26/2016, 04/27/2016

3. Pick Suggestion

04 / 26 / 2016

5. Complete

04 / 26 / 2016

4. Pick Another Date

mm / dd / yyyy

< APRIL 2016 >

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4

NOTE

- A Web author can set lists for user to pick as suggestions.
- B If user wants to pick a specific date which is not included in web author's suggestions, user can choose "Other" to trigger the normal date picker.



Arrow keys on Input Box

1. Normal state

mm / dd / yyyy

2. Trigger Picker

mm / dd / yyyy

mm / 18 / yyyy

< APRIL 2016 >

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27

mm / dd / yyyy

< APRIL 2016 >

Sun	Mon	Tue	Wed	Thu	Fri	Sat



03 / dd / yyyy

< MARCH 2016 >

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31	1	2	3	4

< APRIL 2016 >

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4



mm / 16 / yyyy

< APRIL 2016 >

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27



mm / dd / yyyy

< APRIL 2016 >

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6



mm / dd / 2015

< APRIL 2015 >

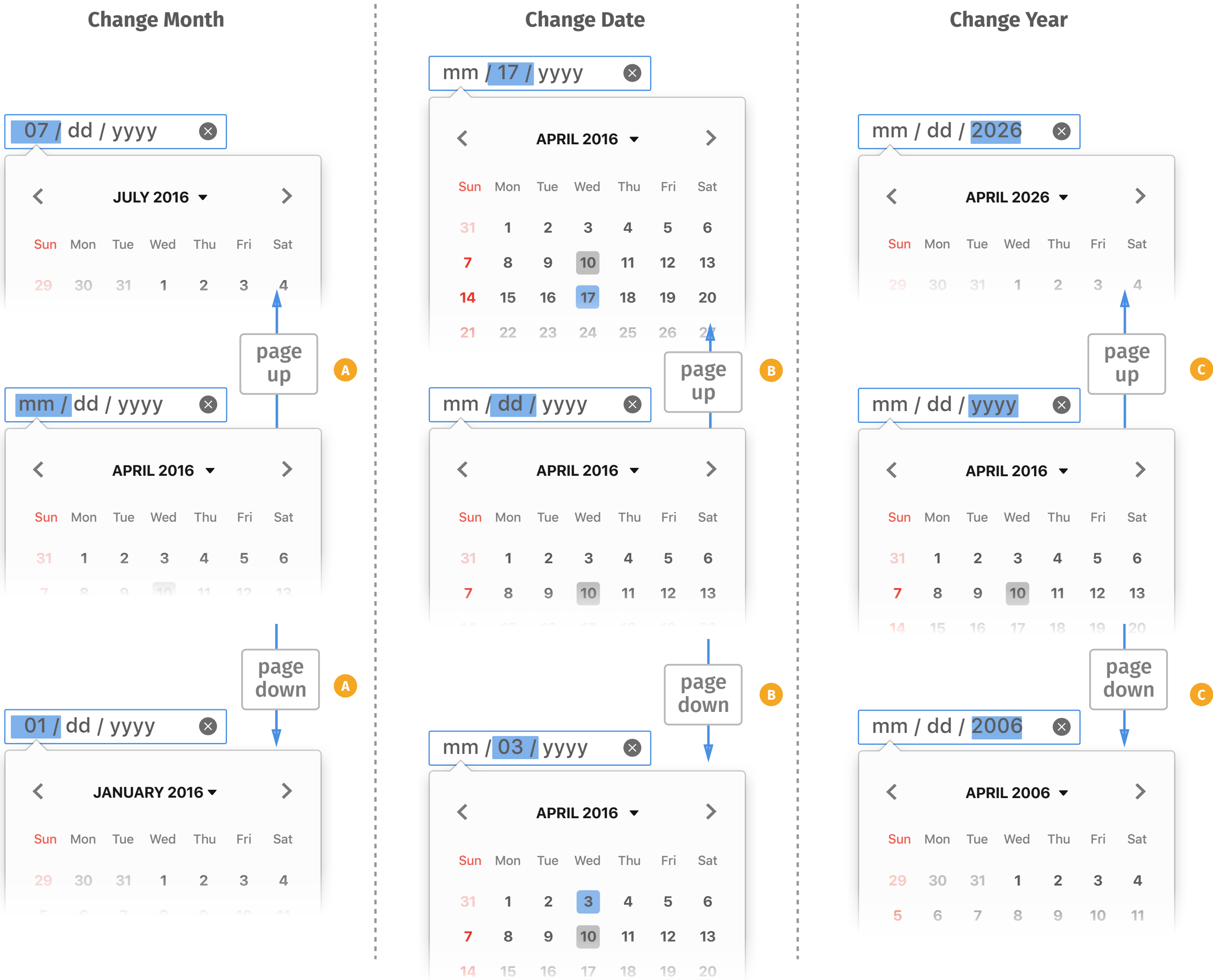
Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4

NOTE

- A** Users can use keyboard to change values in input box. Up/down key will add/minus one for the selected segment. Whenever changing the values in input box, the picker below will reflect the values simultaneously.
- B** Left/right key will move the highlight state to choose different segment.



PageUp/Down keys on Input Box

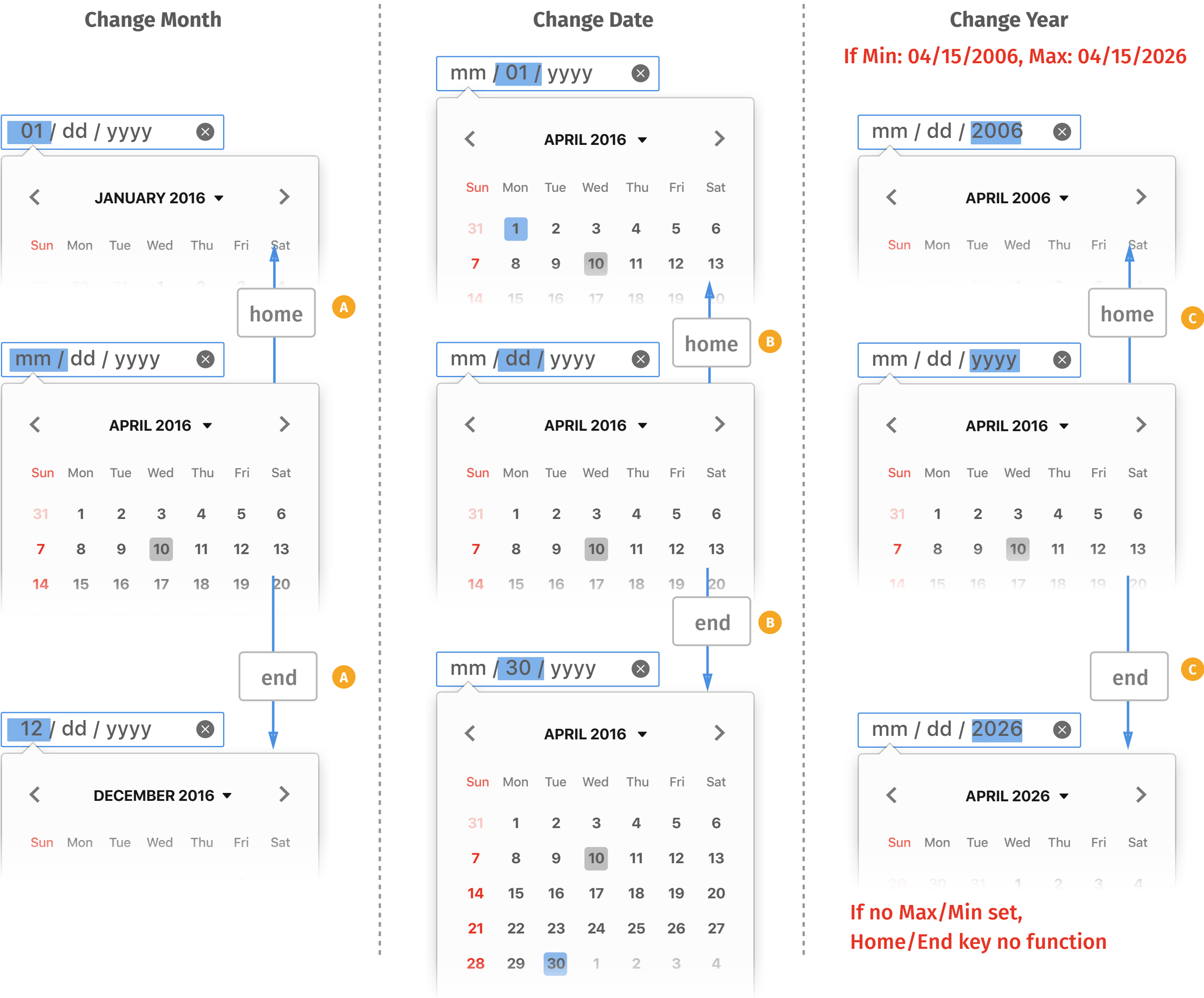


NOTE

- A** Users can use page up/down keys to change values in input box. Page up/down will go to next/previous 3 month. Whenever changing the value, the picker below will reflect the values simultaneously.
- B** Page up/down will go to next/last week.
- C** Page up/down will add/minus 10 years.



Home/End keys on Input Box

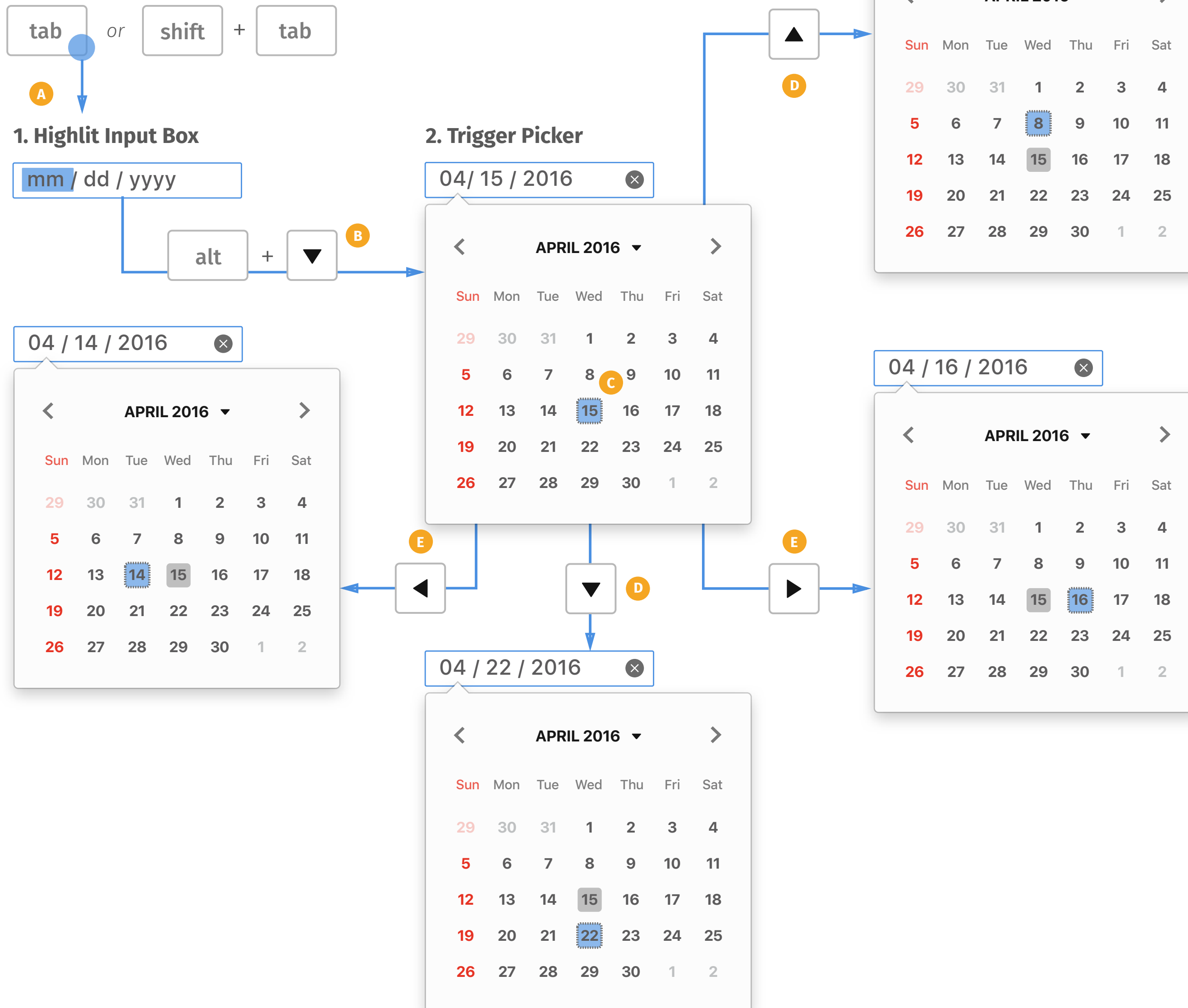


NOTE

- A** Users can use home/end keys to change to the first/last item in input box. Home/end keys will go to the first/last month. Whenever changing the value, the picker below will reflect the values simultaneously.
- B** Home/end keys will go to the first/last date in the month displayed.
- C** Home/end keys will go to the first/last year if there is a preset Min/Max value. If not, home/end keys do nothing.



Arrow Keys on Picker

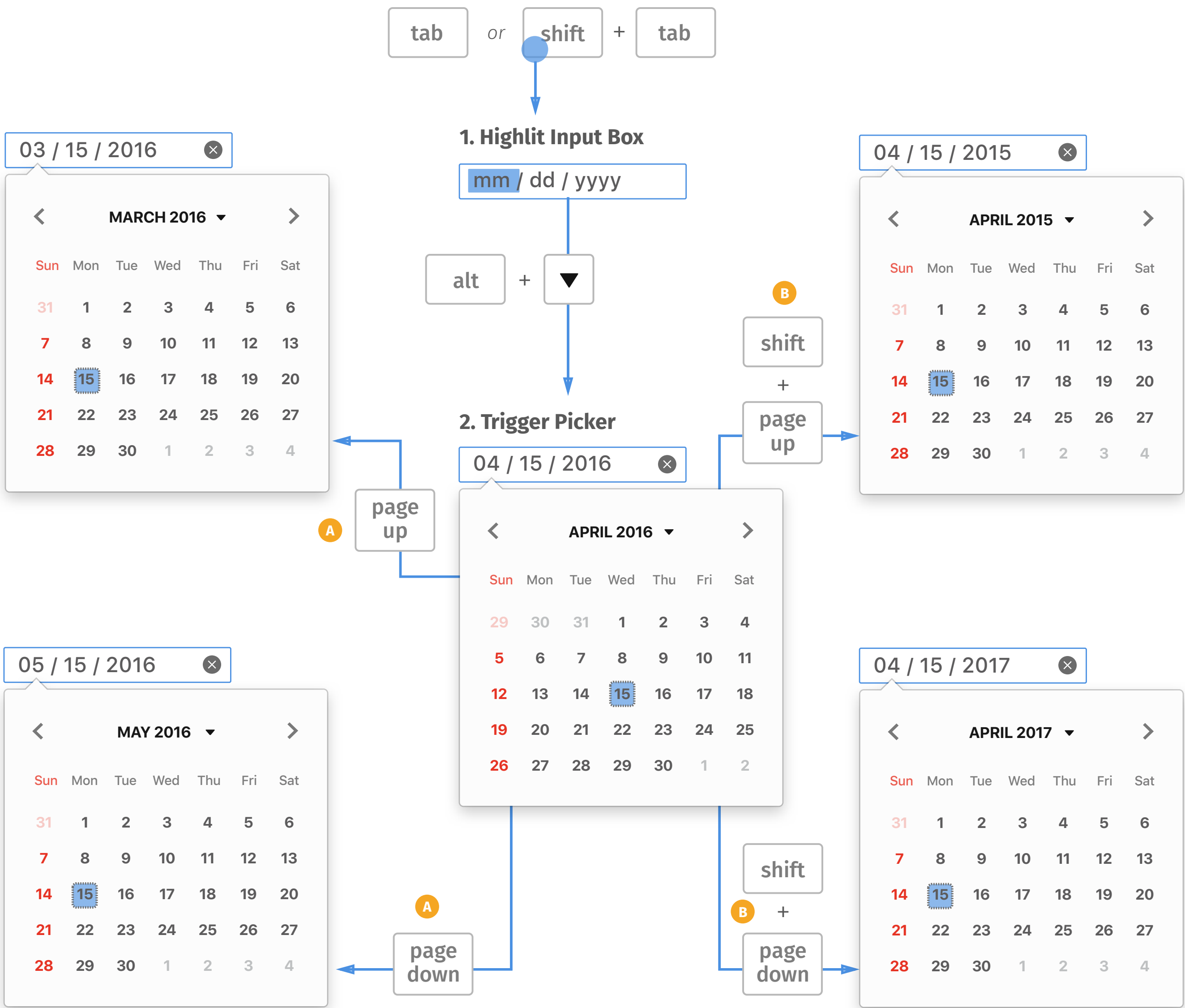


NOTE

- A** Users can complete the entire flow by keyboard only, which is designed for visually impaired. User can use Tab or Shift+Tab to switch highlight among website to select input box. When user select the input box by keyboard, the input box will turn highlight state and select the first segment, but the picker won't be triggered by default.
- B** User can use Alt+Down key to trigger the picker.
- C** When picker triggered by keyboard, the highlight will move to be on the picker, select today as default and reflect the value in input box.
- D** Up/down key will move the highlight to the previous/next week. Whenever the highlight moves, the input box will changes the value accordingly.
- E** Left/right key will move the highlight to the previous/next day. Whenever the highlight moves, the input box will changes the value accordingly.



PageUp/Down Keys on Picker

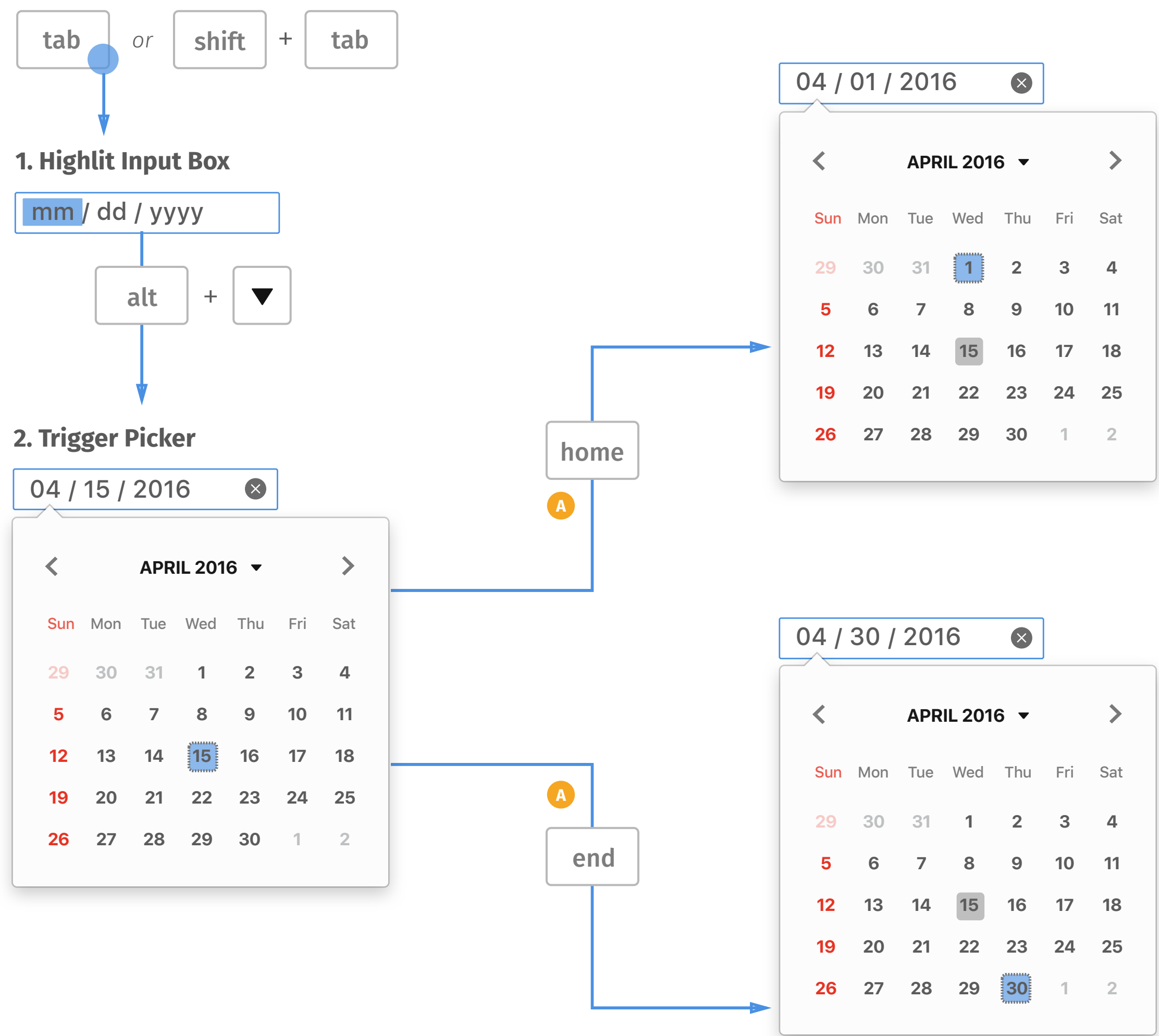


NOTE

- A** PageUp/down key will move the highlight to the previous/next month at the same day. Whenever the highlight moves, the input box will change the value accordingly.
- B** Shift+PageUp/down key will move the highlight to the previous/next year at the same day. Whenever the highlight moves, the input box will change the value accordingly.



Home/End keys on Picker

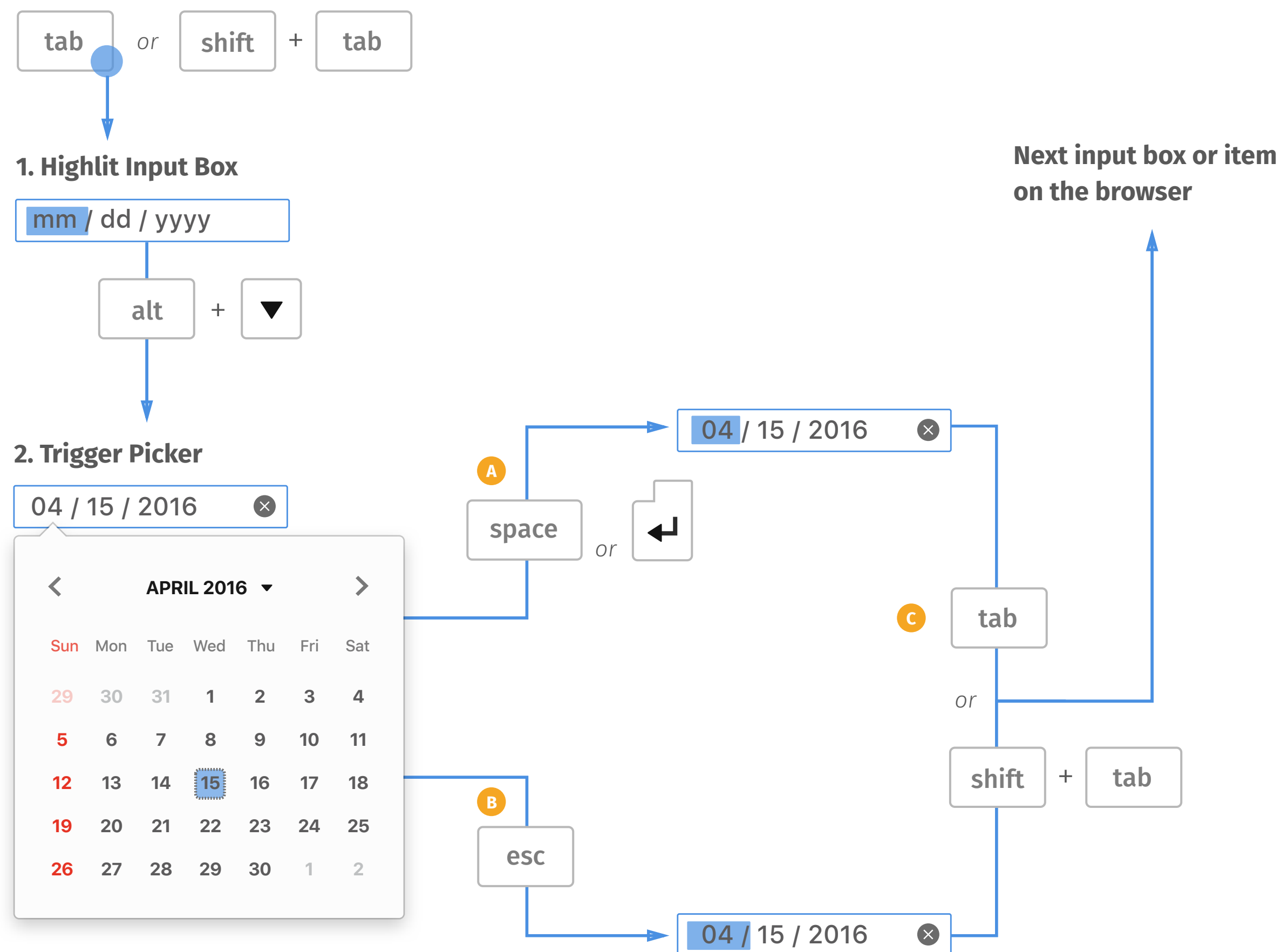


NOTE

- A** Home/end key will move the highlight to the first/last day of the selected month. Whenever the highlight moves, the input box will change the value accordingly.



Tab/Space/Enter/Esc keys on Picker



NOTE

- A** Space/enter key will confirm the selection and collapse the picker. The highlight will move to the first segment in the input box.
- B** Esc key will dismiss the picker and save filled segment. The highlight will move to the first segment in the input box.
- C** Tab/shift+tab key will select the next item on the browser.



Error Message

1. Normal State

mm / dd / yyyy

If Min: 04/15/2016
Max: 05/02/2016

2. Trigger Picker

mm / dd / yyyy

< APRIL 2016 >

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2

7 1 2 0 1 7

3. Display Error Message

07 / 01 / 2017

Please enter a valid value. You can only key in value between 04/15/2016 and 05/02/2016.

1. Normal state

mm / dd / yyyy

If Step sets 5

2. Trigger Picker

mm / dd / yyyy

< APRIL 2016 >

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2

4 3 2 0 1 6

3. Display Error Message

04 / 03 / 2016

Please enter a valid value. You can only key in value every 5 days starting from 01/01 every year.

NOTE

- A** Whenever user finishes the input box by typing numbers or arrow keys, browser needs to validate the selection.
- B** If the selection is out of range which web author sets, display the error message.
- C** If the selection is outside of preset step which web author sets, display the error message.



Localization

Providing various common date formats as options for localization need.

NOTE

1. Date Formats

Day/Month/Year

dd / mm / yyyy

Month/Day/Year

mm / dd / yyyy

Year/Month/Day

yyyy / mm / dd

3-letters abbreviation

mmm / dd / yyyy

ex. Apr/15/2016

Month spell out in full

mmmm / dd / yyyy

ex. April/15/2016

2. Separators of Component

Slash

dd / mm / yyyy

Dots or Full stops

dd.mm.yyyy

Hyphens or Dashes

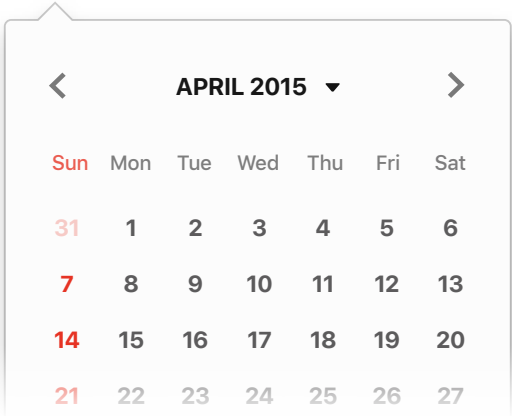
dd-mm-yyyy

Spaces

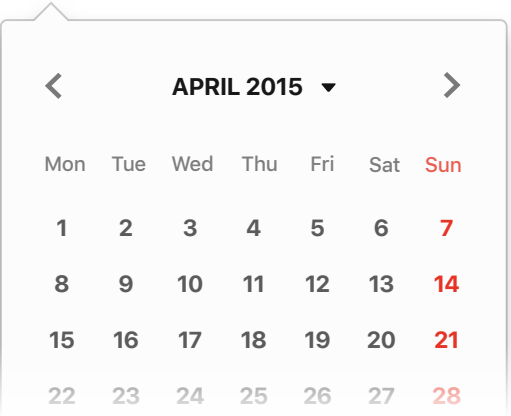
dd mm yyyy

3. First Day of the Week

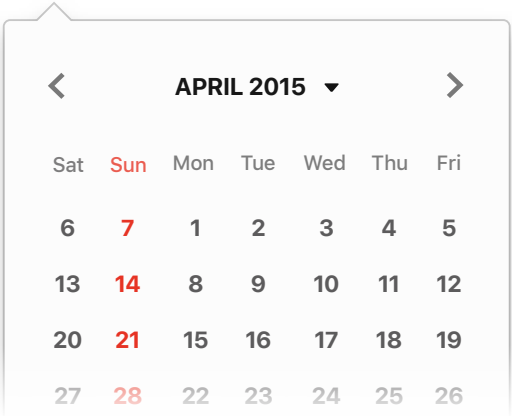
Sunday



Monday

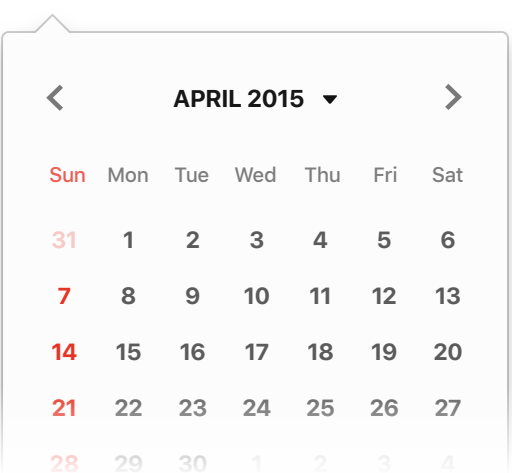


Saturday

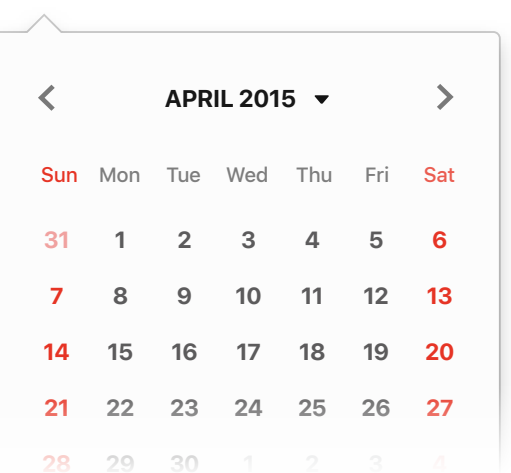


4. Holidays

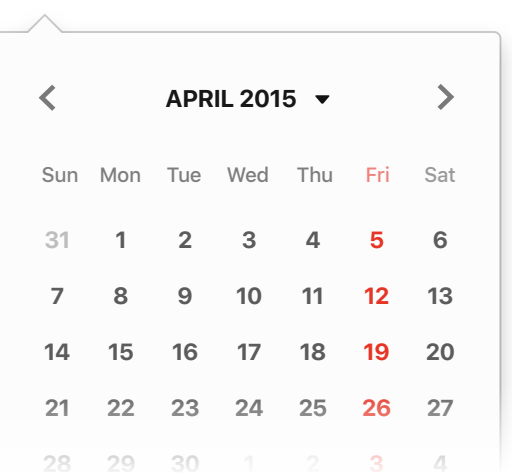
Sunday



Saturday + Sunday



Friday



RTL (Right to Left)

NOTE

Normal state

mm / dd / yyyy

All Picked

×

06 / 26 / 2006

Hover state

mm / dd / yyyy

Picker

×

mm / dd / yyyy

<2016 أبريل>

س	ج	خ	ر	ث	ن	ح
6	5	4	3	2	1	31
13	12	11	10	9	8	7
20	19	18	17	16	15	14
27	26	25	24	23	22	21
4	3	2	1	30	29	28

×

mm / dd / yyyy

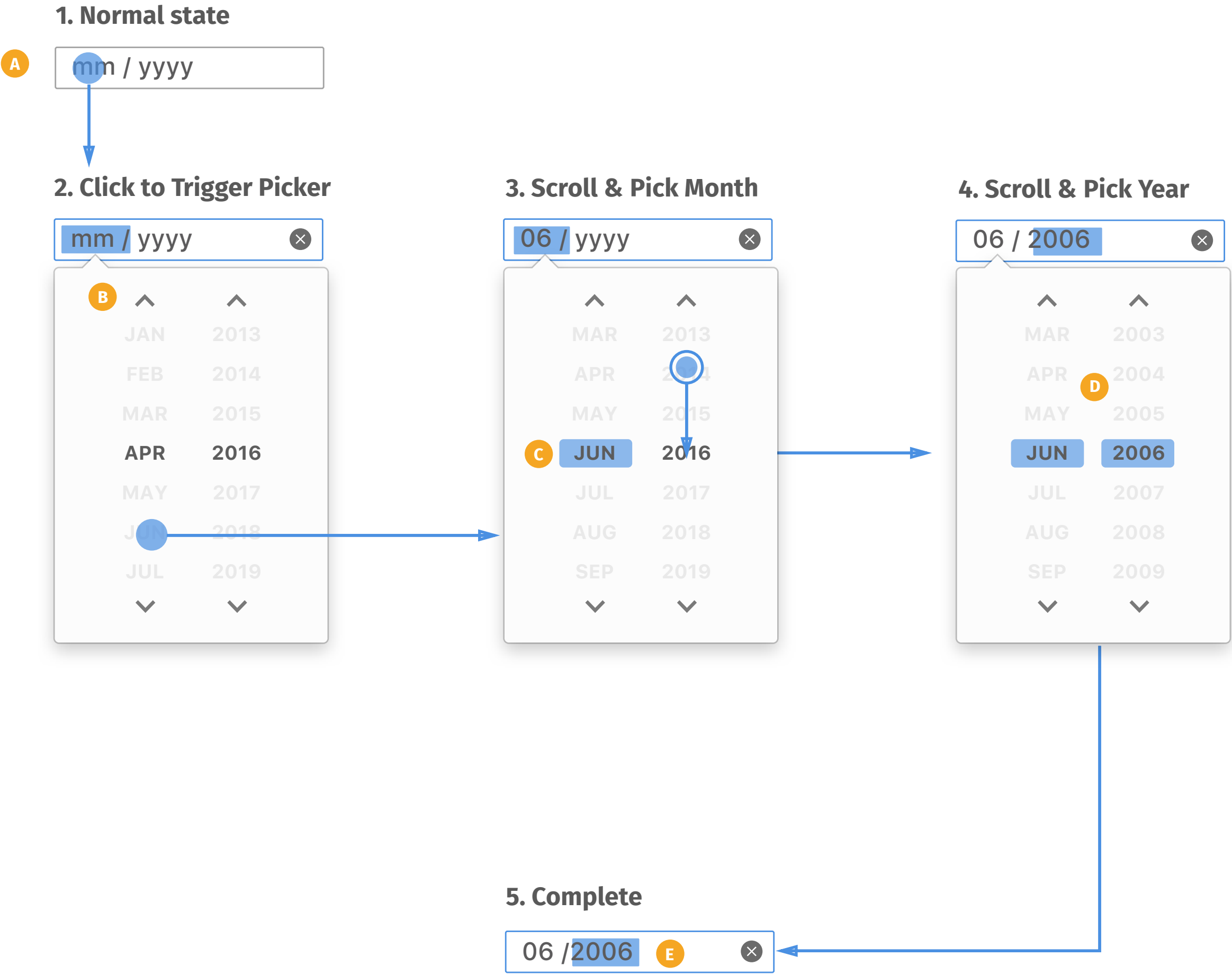
▲2016 أبريل

2013	يناير
2014	فبراير
2015	مارس
2016	أبريل
2017	مايو
2018	يونيو
2019	يوليو



Month/Year

Basic Working Flow



NOTE

- A Default input field displays mm/yyyy, but vary based on locale.
- B Up/down arrows can help user move to the next/last month/year per click. Click and hold can keep scrolling.
- C User can click and drag to scroll up/down. When selecting, showing selected state.
- D User can pick month first then year, vice versa. Whenever user picks month/year, the highlight in input box will move to picked segment and change value simultaneously.
- E Whenever user finishes selecting or tap outside of the picker, month/year picker collapses and save the value to input box. The highlight state will stay on the last picked value.



Default Input Box

Normal state

mm / yyyy

Hover state

A

mm / yyyy

Pick Month

04 / yyyy

^	^
JAN	2013
FEB	2014
MAR	2015
APR	2016
MAY	2017
JUN	2018
JUL	2019
▼	▼

All Picked

06 / 2006

mm / yyyy

Pick Year

mm / 2016

^	^
JAN	2013
FEB	2014
MAR	2015
APR	2016
MAY	2017
JUN	2018
JUL	2019
▼	▼

NOTE

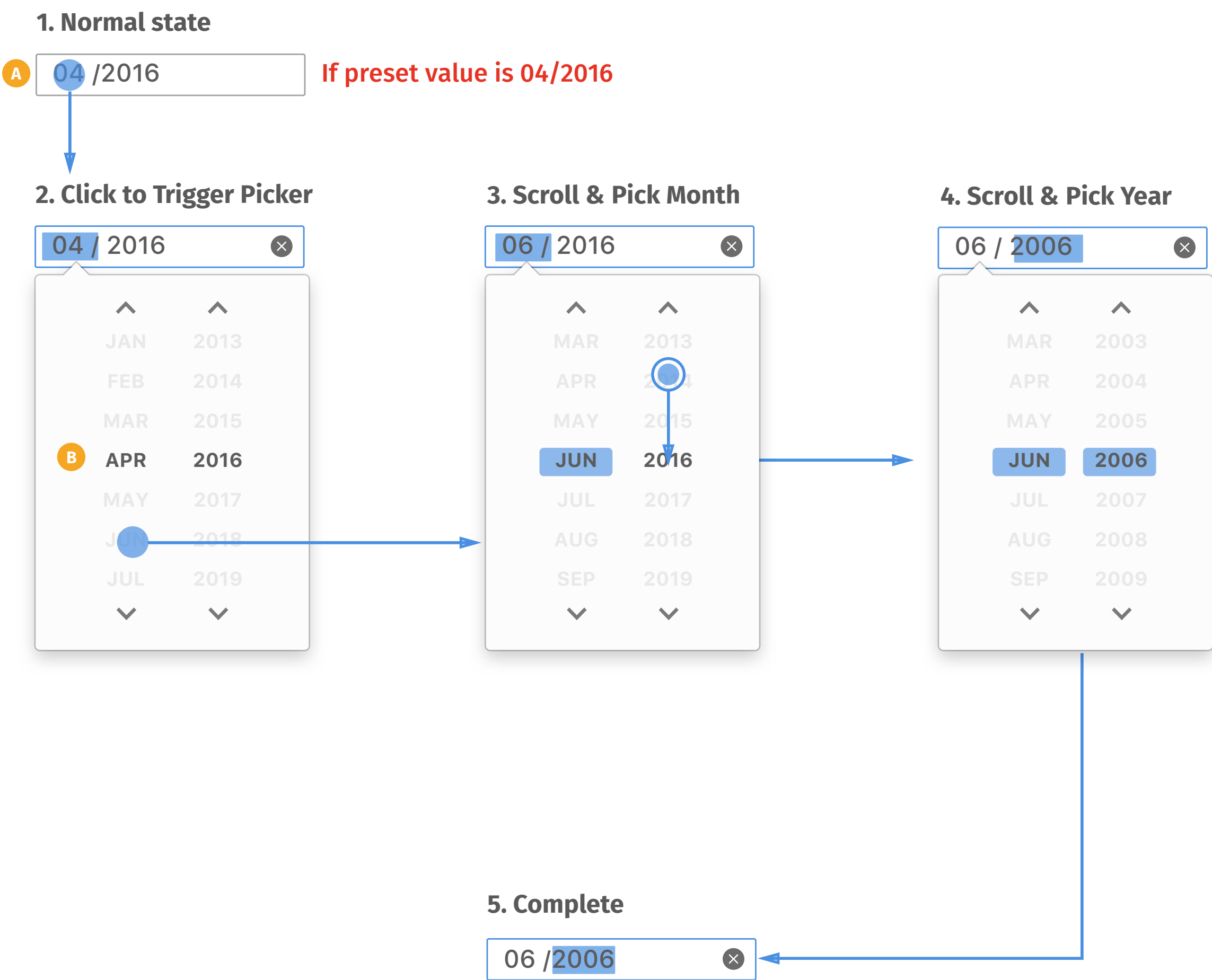
- A Hover state will highlight the input box whenever user moves cursor on or uses tab to select.
- B Delete button displays when user edits any segment, and it will



Input Box with Preset Value

NOTE

- A** Web author can set a preset value to display in input box.
- B** When triggering the picker, the picker will show the preset month and year as default selected item.



Input Box with Preset Max/Min Value

1. Normal state

mm / yyyy

If Min: 03/2016
Max: 05/2017

A

2. Click to Trigger Picker

mm / yyyy

Picker interface showing months (JAN to JUL) and years (2016, 2017). A blue dot indicates the selection point.

3. Scroll & Pick Month

02 / yyyy

Picker interface showing months (NOV to MAY) and years (2016, 2017). The month 'FEB' is selected.

4. Scroll & Pick Year

02 / 2016

Picker interface showing months (NOV to MAY) and years (2016, 2017). The year '2016' is selected.

5. Auto-Correct

03 / 2016

Picker interface showing months (MAR to JUN) and years (2016, 2017). The month 'MAR' is selected. A message at the bottom states: "You can only pick between MAR 2016 and MAY 2017."

6. Complete

03 / 2016

NOTE

- A Web author can set minimum and maximum of month/year as a range for user to pick from.
- B The picker will display all months as options but only show available years for users. However, if user picks year first, the picker will only display the available months.
- C If user finishes both selections of month and year and browser detects the selection is out of range, the selection will be auto-corrected instead of collapsing and back to input box.
- D Auto-correction will change the value to the minimum value if user picks an older time, and vice versa. There will be a message displayed to inform user the preset max/min value.
- E User can click on outside of the picker to collapse the picker or scroll the picker to continue change values.



Input Box with Preset Step

NOTE

If web authour sets Max/Min and Step is not factor or multiple of 12, display options in one collumn.

A Web authour can set to skip amout of months as step for user to pick from.

B The step which is factor or multiple of 12 will only display the available months as options. Factors and multiples include 1, 2, 3, 4, 6, 12 and 12xN.

C The step which is not factor or multiple of 12 will combine month and year as one collumn. All numbers are not included in factors and multiples will be combined into one column.



Input Box with Preset List

1. Normal state

2. Click to Trigger Picker

A

04 / 2016

06 / 2016

B

Other ...

3. Pick Suggestion

5. Complete

4. Pick Another Time

^

MAR2003

APR2004

MAY2005

JUN2006

JUL2007

AUG2008

SEP2009

^

^

NOTE

- A Web author can set lists for user to pick as suggestions.
- B If user wants to pick a specific month which is not included in web author's suggestions, user can choose "Other" to trigger the normal month picker.



Arrow keys on Input Box

1. Normal state

mm / yyyy

2. Trigger Picker

mm / yyyy

^ ^

JAN 2013

FEB 2014

MAR 2015

APR 2016

MAY 2017

JUN 2018

JUL 2019

▼ ▼

B



mm / yyyy

^ ^

JAN 2013

FEB 2014

MAR 2015

APR 2016

MAY 2017

JUN 2018

JUL 2019

▼ ▼

A



mm / 2017

^ ^

JAN 2014

FEB 2015

MAR 2016

APR 2017

MAY 2018

JUN 2019

JUL 2020

▼ ▼

A



05 / 2016

^ ^

FEB 2013

MAR 2014

APR 2015

MAY 2016

JUN 2017

JUL 2018

AUG 2019

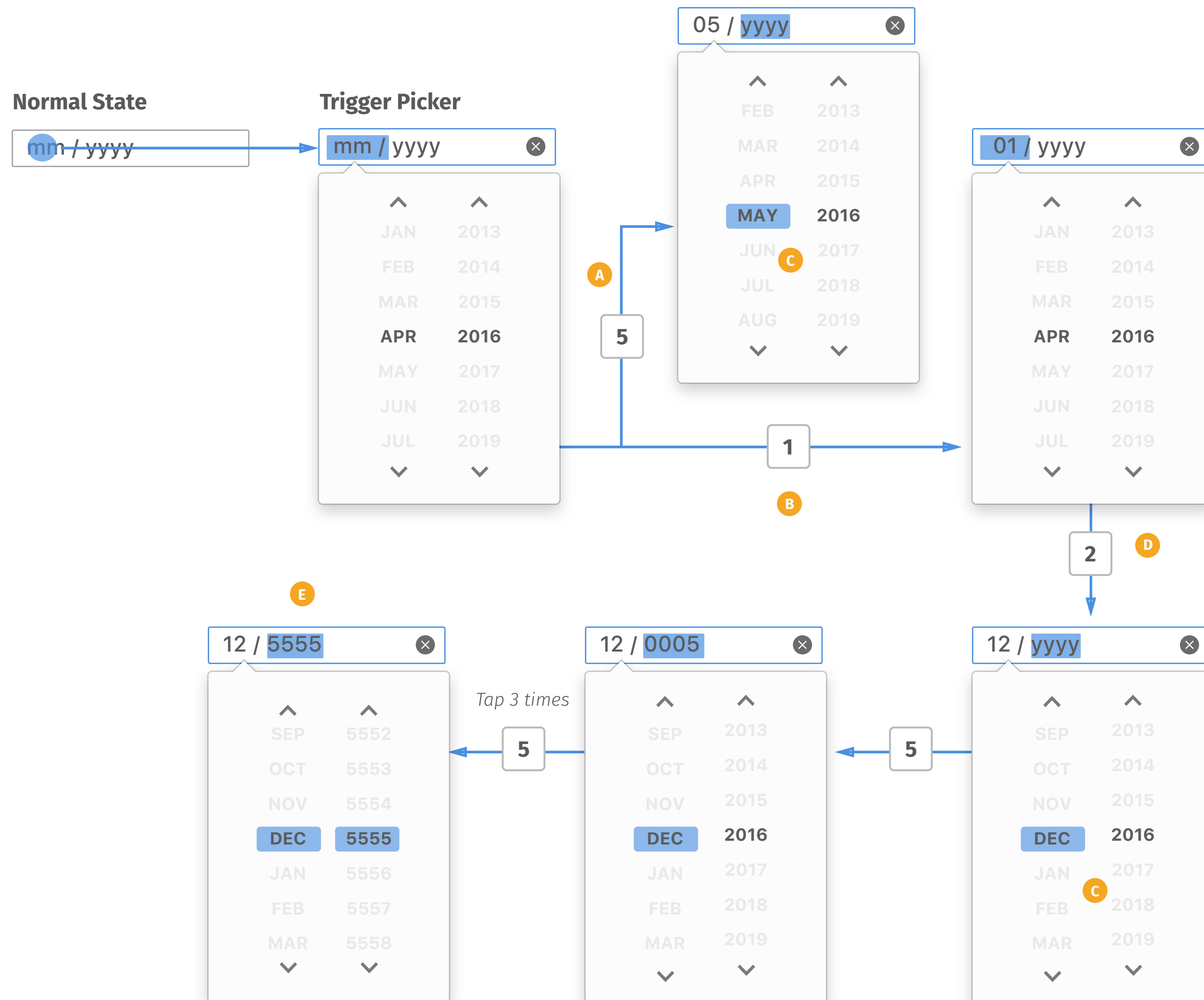
▼ ▼

NOTE

- A Users can use keyboard to change values in input box. Up/down key will add/minus one for the selected segment. Whenever changing the values in input box, the picker below will reflect the values simultaneously.
- B Left/right key will move the highlight state to choose different segment.



Number keys on Input Box

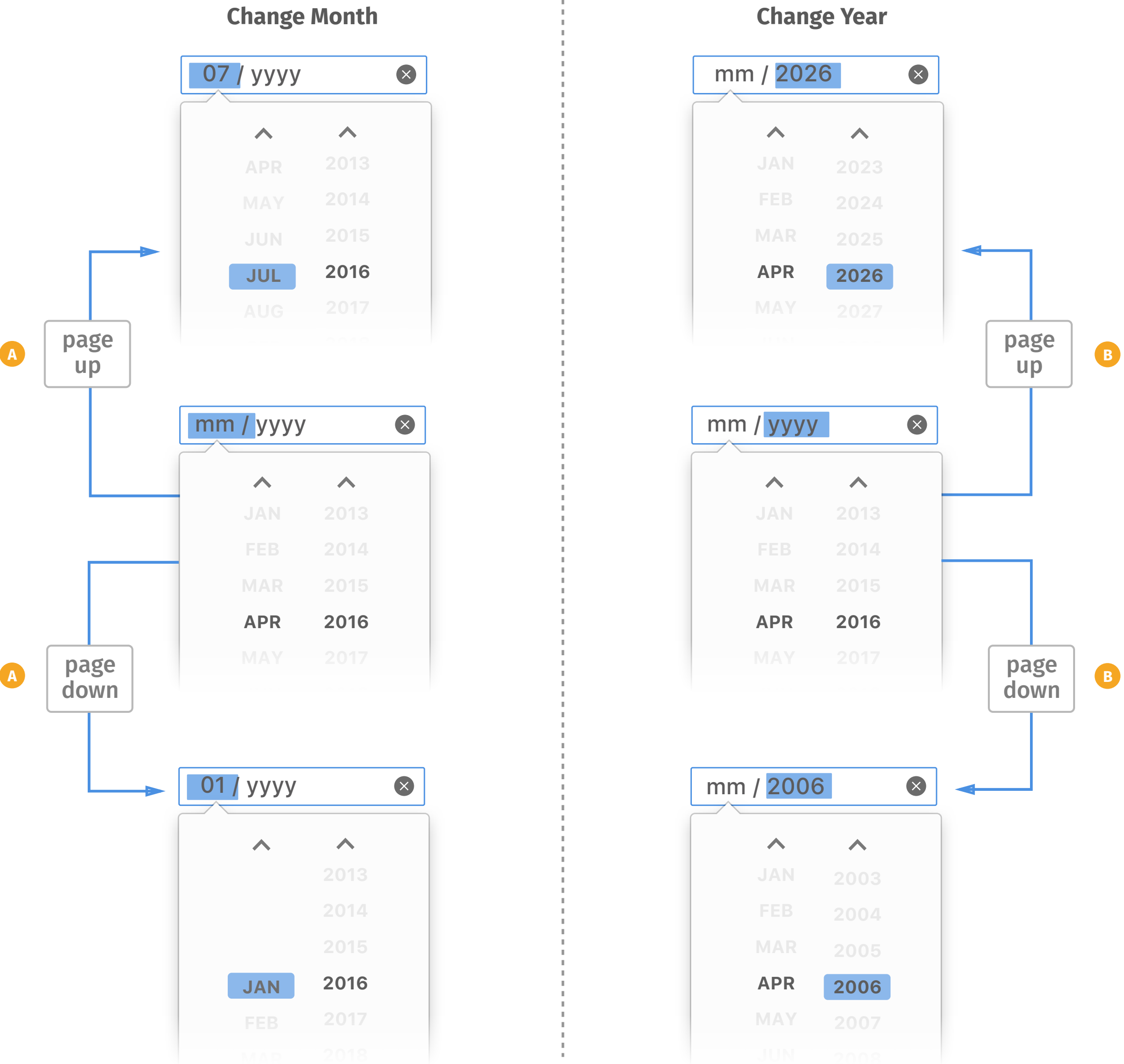


NOTE

- A** Users can use number keys to directly enter a value in input box values in input box. If the entered number is impossible to have a second digit, it will be defined as confirmation and move the highlight to the next segment. Ex. it's impossible to have more than 12 months within a year, so when user types digits more than 1, the highlight will automatically move to the next segment.
- B** If the entered number is possible to have a second digit, it will hold to wait for user to type the second digit.
- C** Whenever detecting the confirmation, the picker below will reflect the values simultaneously.
- D** If typing the second digit, it will be defined as confirmation and move the highlight to the next segment.
- E** Once the highlight moves to the last segment, typing new digits will replace the segment from the last digit.



PageUp/Down keys on Input Box

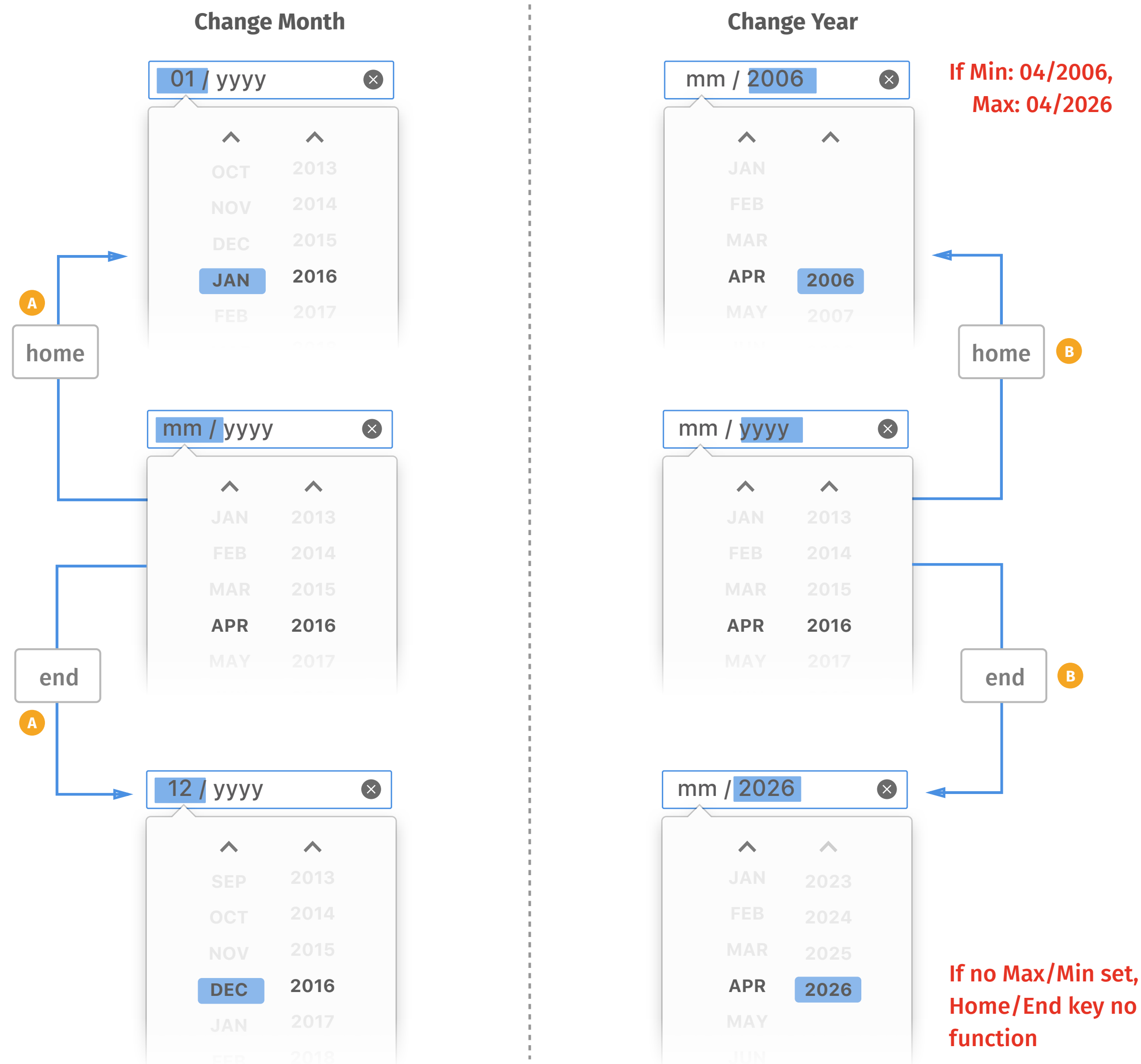


NOTE

- A** Users can use page up/down keys to change values in input box. Page up/down will go to next/previous 3 month. Whenever changing the value, the picker below will reflect the values simultaneously.
- B** Page up/down will add/minus 10 years.



Home/End keys on Input Box

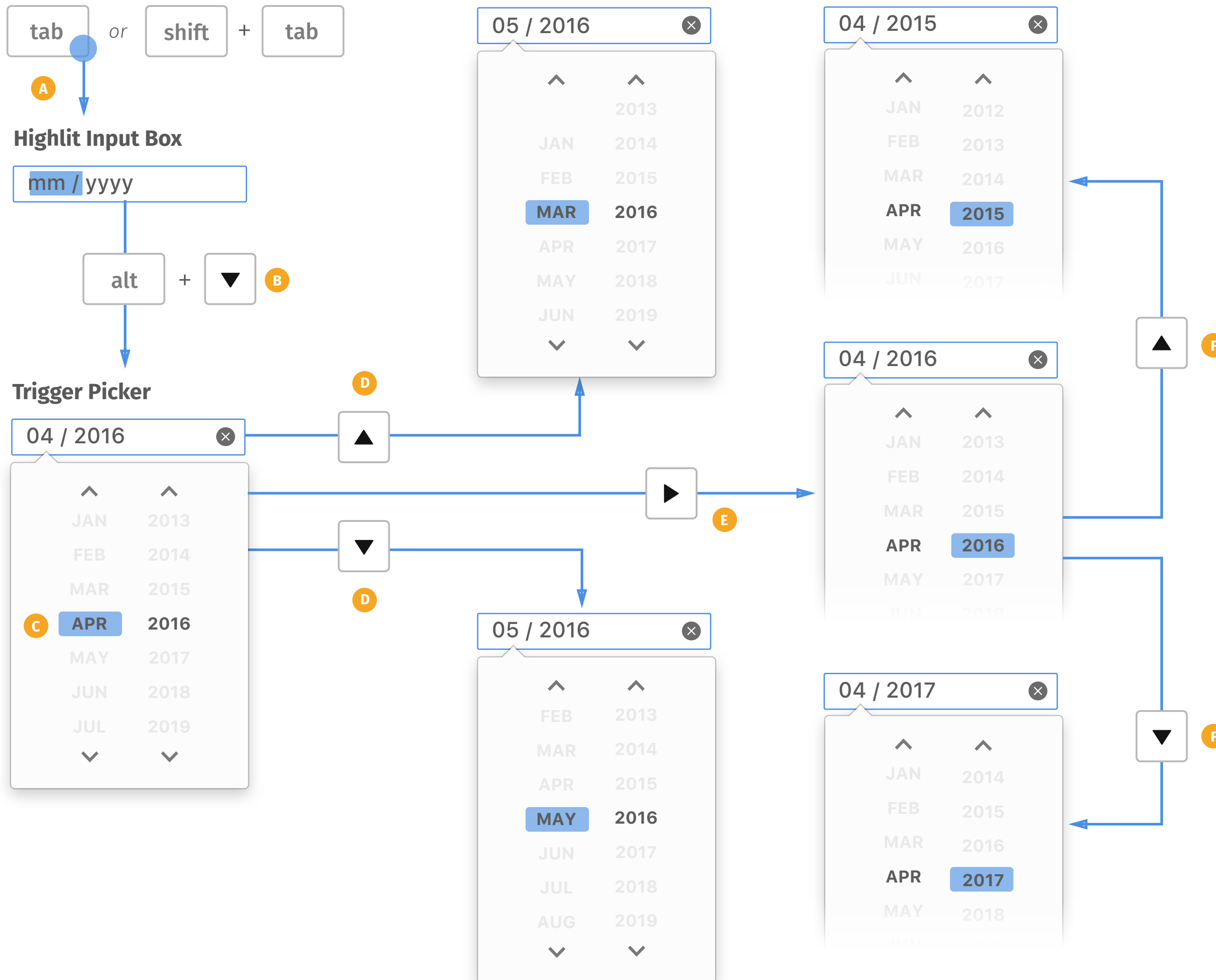


NOTE

- A** Users can use home/end keys to change to the first/last item in input box. Home/end keys will go to the first/last month. Whenever changing the value, the picker below will reflect the values simultaneously.
- B** Home/end keys will go to the first/last year if there is a preset Min/Max value. If not, home/end keys do nothing.



Arrow Keys on Picker

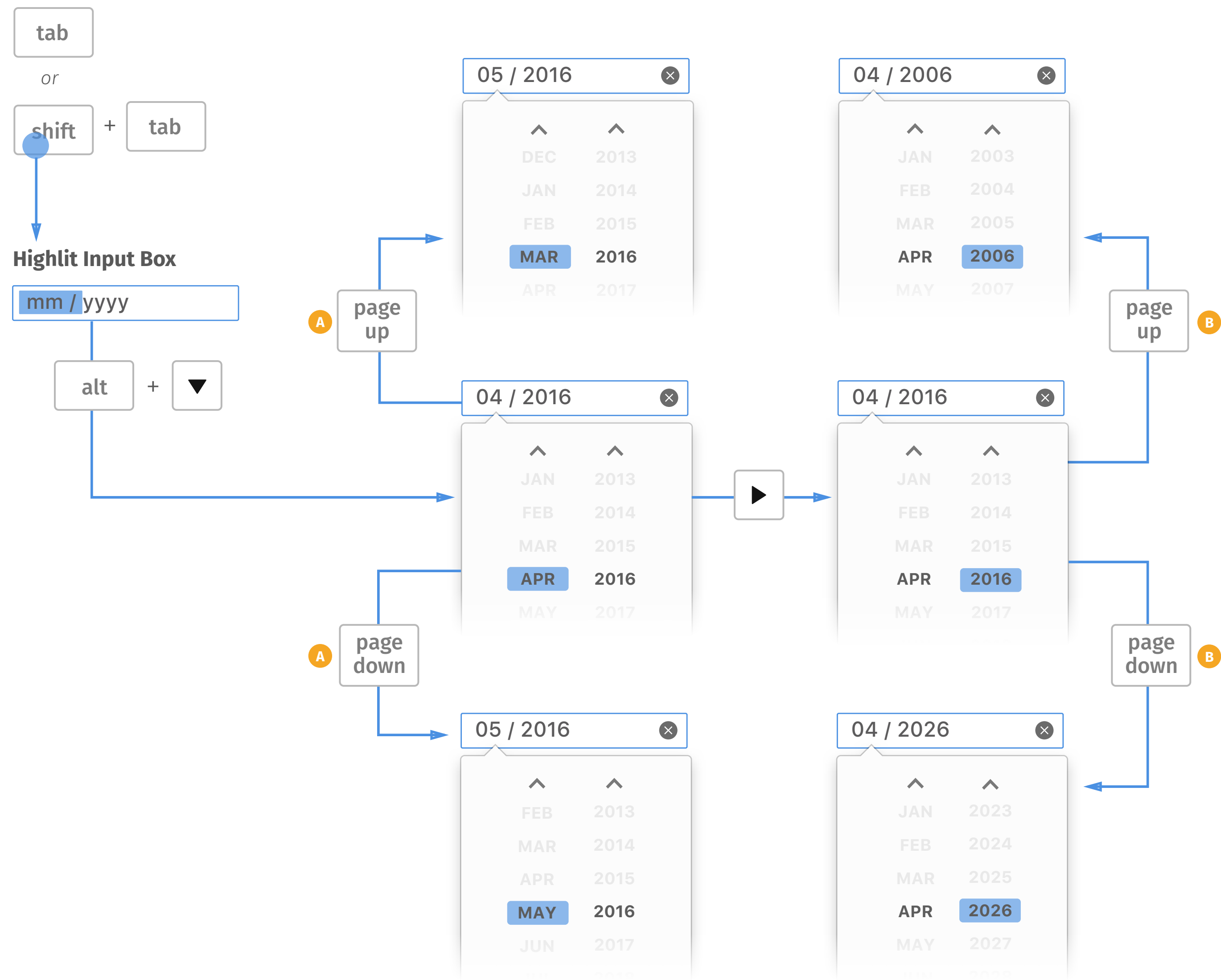


NOTE

- A** Users can complete the entire flow by keyboard only, which is designed for visually impaired. User can use Tab or Shift+Tab to switch highlight among website to select input box. When user select the input box by keyboard, the input box will turn highlight state and select the first segment, but the picker won't be triggered by default.
- B** User can use Alt+Down key to trigger the picker.
- C** When picker triggered by keyboard, the highlight will move to be on the picker, select this month as default and reflect the value in input box.
- D** Up/down key will move the highlight to the previous/next month on month column. Whenever the highlight moves, the input box will changes the value accordingly.
- E** Left/right key will switch the highlight between the month and year columns.
- F** Up/down key will move the highlight to the previous/next year on the year column. Whenever the highlight moves, the input box will changes the value accordingly.



PageUp/Down Keys on Picker

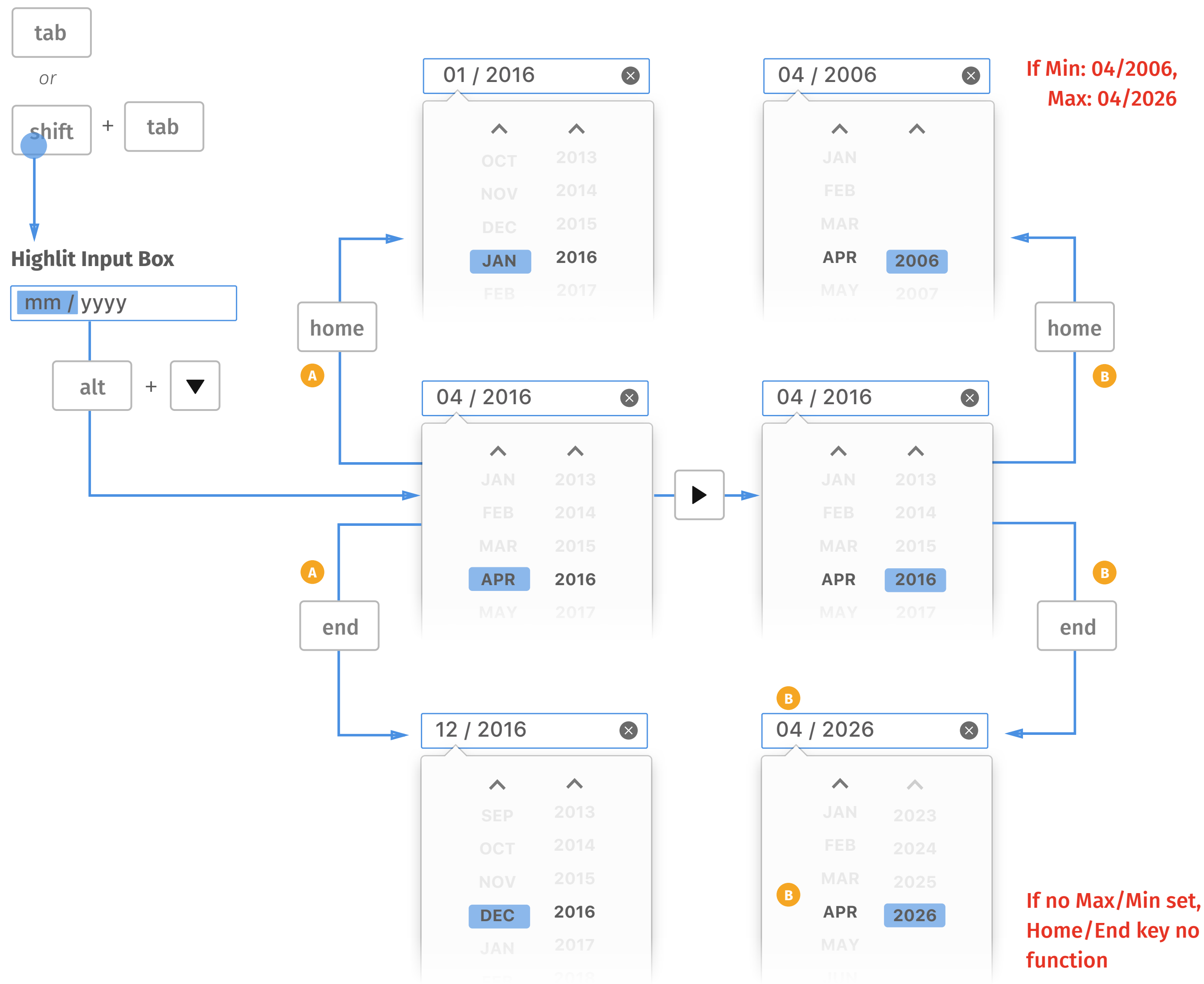


NOTE

- A** PageUp/down key will move the highlight to the previous/next month on month column. Whenever the highlight moves, the input box will changes the value accordingly.
- B** PageUp/down key will move the highlight to 10 years ago/later on year column. Whenever the highlight moves, the input box will changes the value accordingly.



Home/End keys on Picker

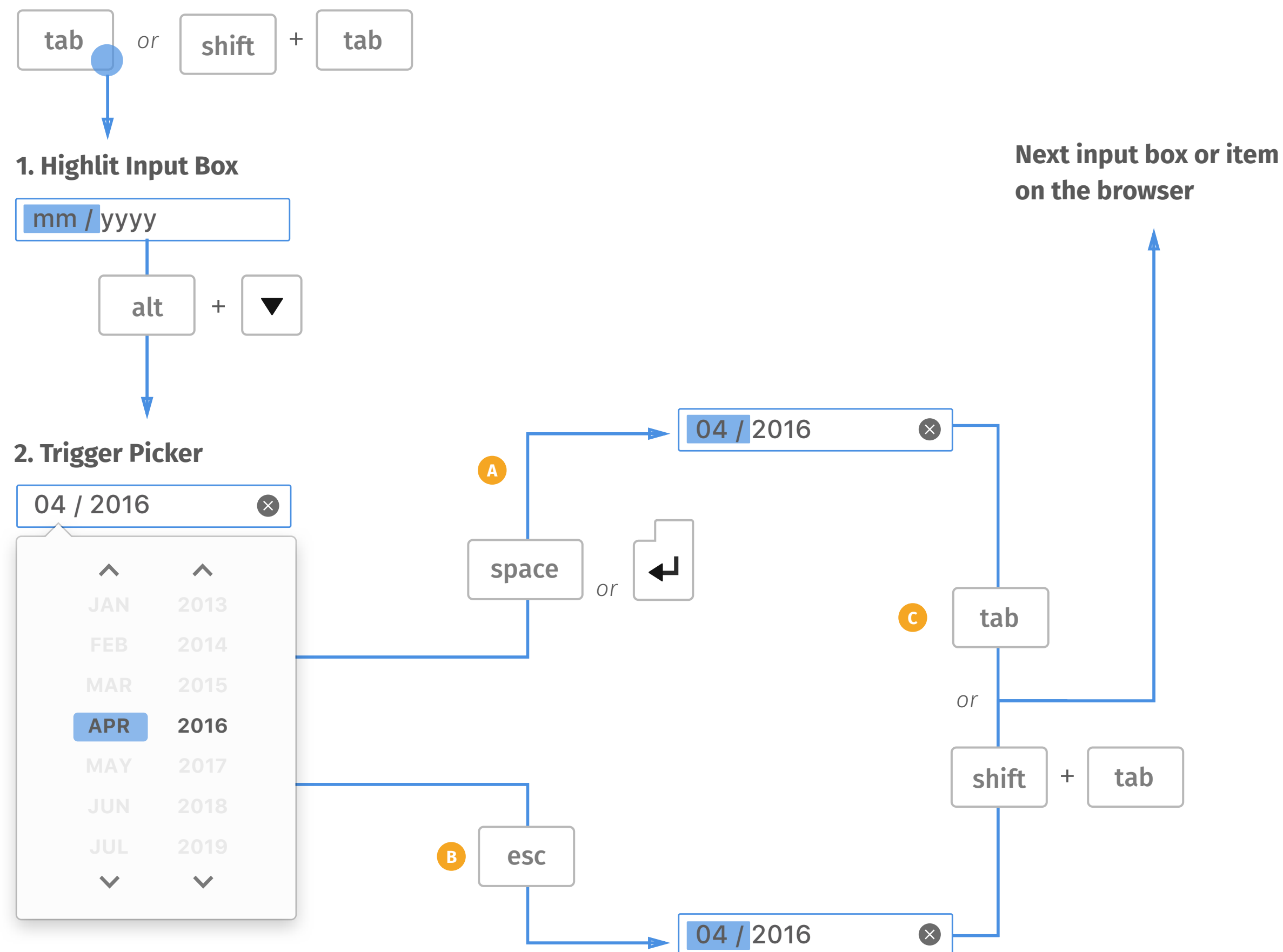


NOTE

- A** Home/end key will move the highlight to the first/last month on month column. Whenever the highlight moves, the input box will changes the value accordingly.
- B** Home/end key will move the highlight to the first/last year on year column if web author creates Max/Min value. If not, home/end key do nothing. Whenever the highlight moves, the input box will changes the value accordingly.



Tab/Space/Enter/Esc keys on Picker



NOTE

- A** Space/enter key will confirm the selection and collapse the picker. The highlight will move to the first segment in the input box.
- B** Esc key will dismiss the picker and save filled segment. The highlight will move to the first segment in the input box.
- C** Tab/shift+tab key will select the next item on the browser.



Error Message

1. Normal State

mm / yyyy

If Min: 04/2016
Max: 09/2016

2. Trigger Picker

mm / yyyy

^ ^

APR 2016

MAY

JUN

JUL

▼ ▼

3 2 0 1 7

3. Display Error Message

03 / 2017

Please enter a valid value. You can only key in value between 04/2016 and 09/2016.

1. Normal state

mm / yyyy

If Step sets 5 month

2. Trigger Picker

mm / yyyy

^

JAN 2016

JUN 2016

NOV 2016

APR 2016

SEP 2016

FEB 2016

JUL 2016

▼

7 2 0 1 6

3. Display Error Message

07 / 2016

Please enter a valid value. You can only key in value every 5 months starting from 04/2016 every year.

NOTE

- A Whenever user finishes the input box by typing numbers or arrow keys, browser needs to validate the selection.
- B If the selection is out of range which web author sets, display the error message.
- C If the selection is outside of preset step which web author sets, display the error message.



Localization

Providing various common date formats as options for localization need.

NOTE

1. Formats

Month/Year

mm / yyyy

Month/Year

yyyy / mm

3-letters abbreviation

mmm / yyyy

ex. Apr/2016

Month spell out in full

mmmm / yyyy

ex. April/2016

2. Separators of Component

Slash

mm / yyyy

Dots or Full stops

mm.yyyy

Hyphens or Dashes

mm-yyyy

Spaces

mm yyyy



RTL (Right to Left)

NOTE

Normal state

mm / yyyy

All Picked

×

mm /

yyyy

Hover state

mm / yyyy

Picker

×

mm /

yyyy

^

2013

يناير

2014

فبراير

2015

مارس

2016

أبريل

2017

مايو

2018

يونيو

2019

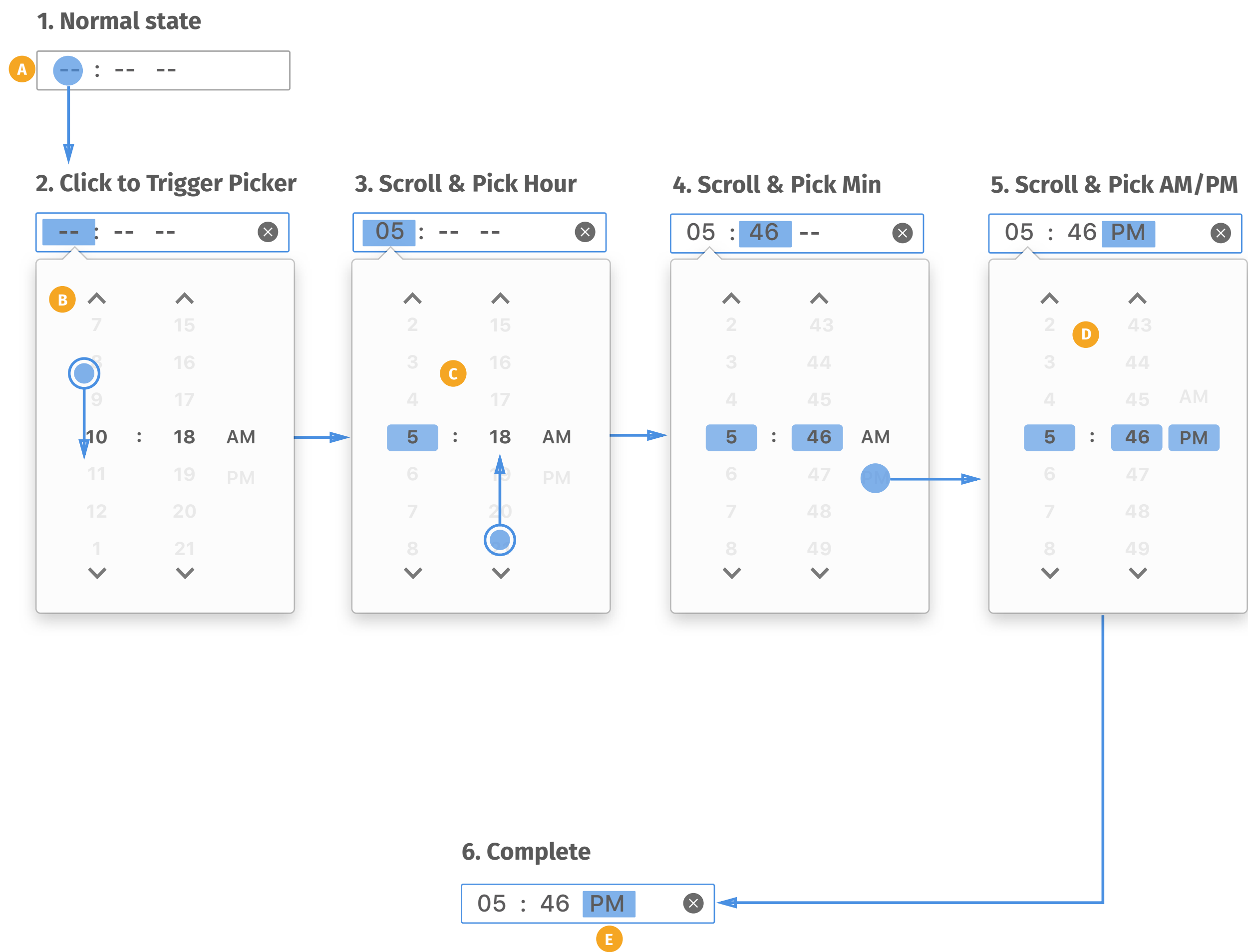
يوليو

∨



Time

Basic Working Flow



NOTE

- A** Default input field displays -- : -- --, but vary based on locale.
- B** Up/down arrows can help user move to the next/last hour/minute per click. Click and hold can keep scrolling.
- C** User can click and drag to scroll up/down. When selecting, showing selected state.
- D** User can pick 3 columns in any order. Whenever user picks hour/minute/AMPM, the highlight in input box will move to picked segment and change value simultaneously.
- E** Whenever user finishes selecting or tap outside of the picker, time picker collapses and save the value to input box. The highlight state will stay on the last picked value.



Default Input Box

Normal state

-- : -- --

All Picked

05 : 46 PM

ⓑ

ⓧ

-- : -- --

Hover state

ⓐ

-- : -- --

Pick Hour

10 : -- --

ⓧ

^

7

8

9

10

11

12

1

⌵

^

15

16

17

18

19

20

21

⌵

AM

PM

Pick Min

-- : 18 --

ⓧ

^

7

8

9

10

11

12

1

⌵

^

15

16

17

18

19

20

21

⌵

AM

PM

Pick AM/PM

-- : -- AM

ⓧ

^

7

8

9

10

11

12

1

⌵

^

15

16

17

18

19

20

21

⌵

AM

PM

NOTE

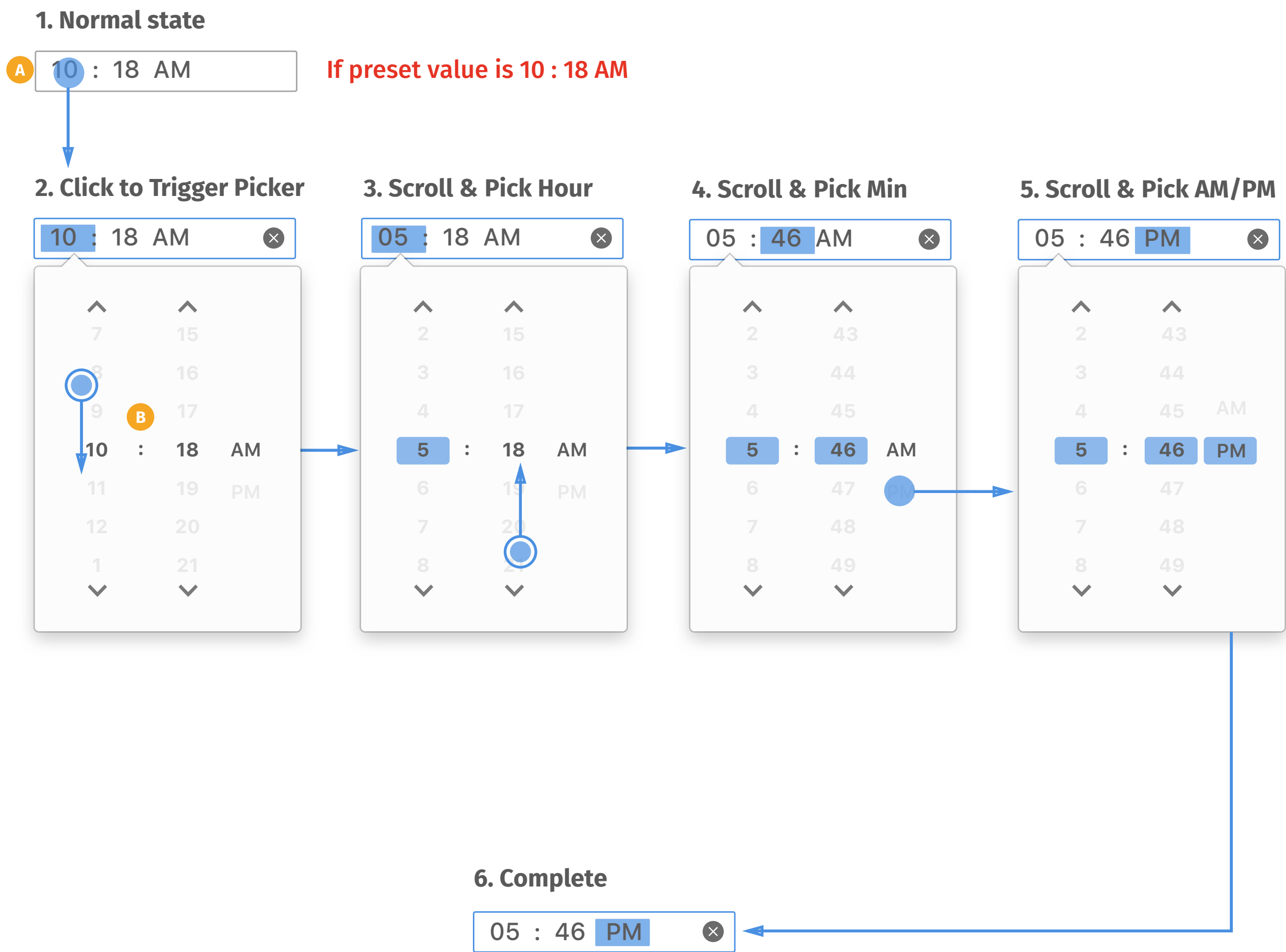
- ⓐ Hover state will highlight the input box whenever user moves cursor on or uses tab to select.
- ⓑ Delete button displays when user edits any segment, and it will



Input Box with Preset Value

NOTE

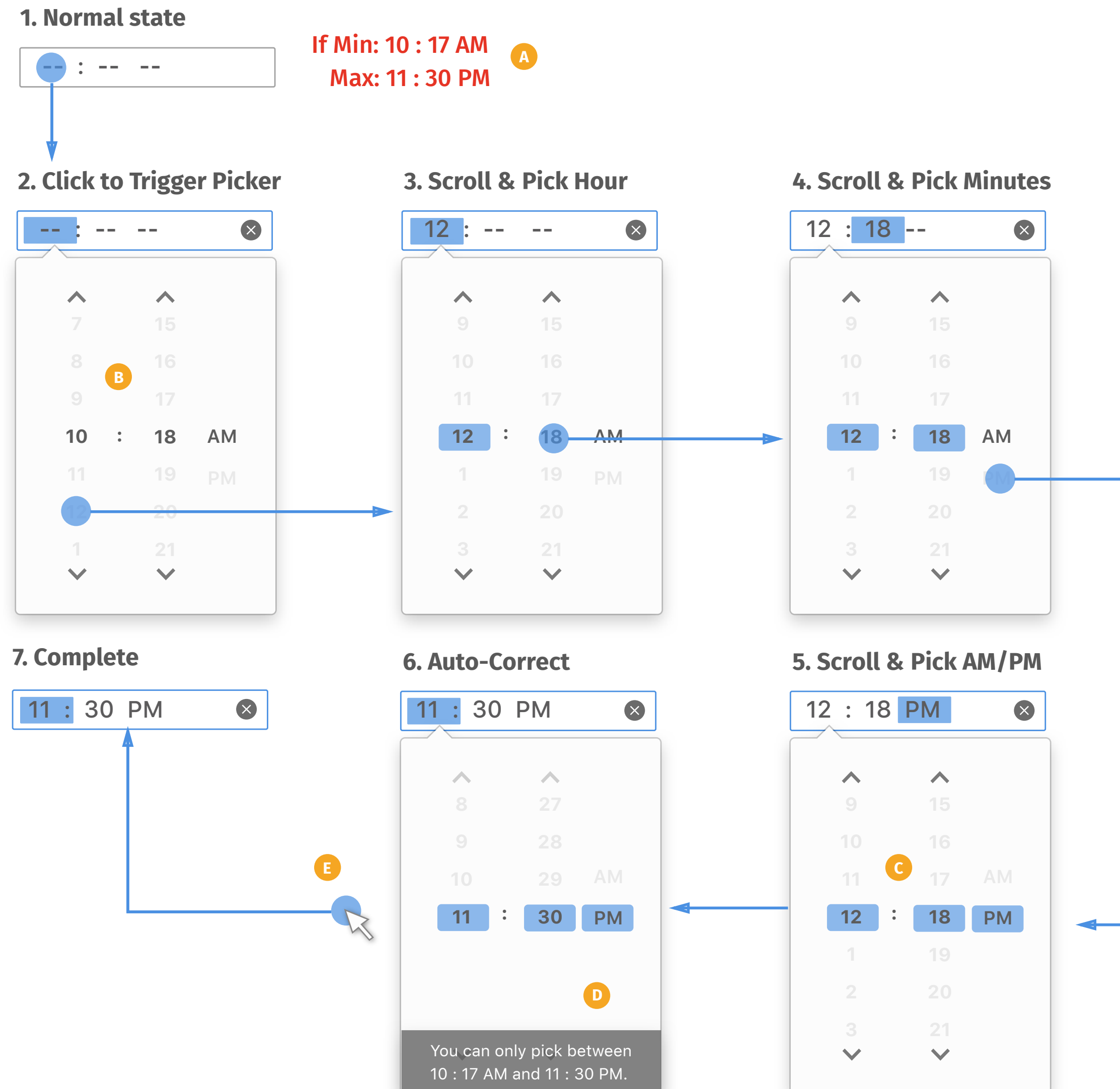
- A** Web author can set a preset value to display in input box.
- B** When triggering the picker, the picker will show the preset time as default selected item.



Input Box with Preset Max/Min Value

NOTE

- A** Web author can set minimum and maximum of time as a range for user to pick from.
- B** The picker will display all hours, minutes and AM/PM as options. However, if user picks hour or AM/PM first, the picker will only display the available items.
- C** If user finishes entire selections of time and browser detects the selection is out of range, the selection will be auto-corrected instead of collapsing and back to input box.
- D** Auto-correction will change the value to the minimum value if user picks an older time, and vice versa. There will be a message displayed to inform user the preset max/min value.
- E** User can click on outside of the picker to collapse the picker or scroll the picker to continue change values.



Input Box with Preset Step

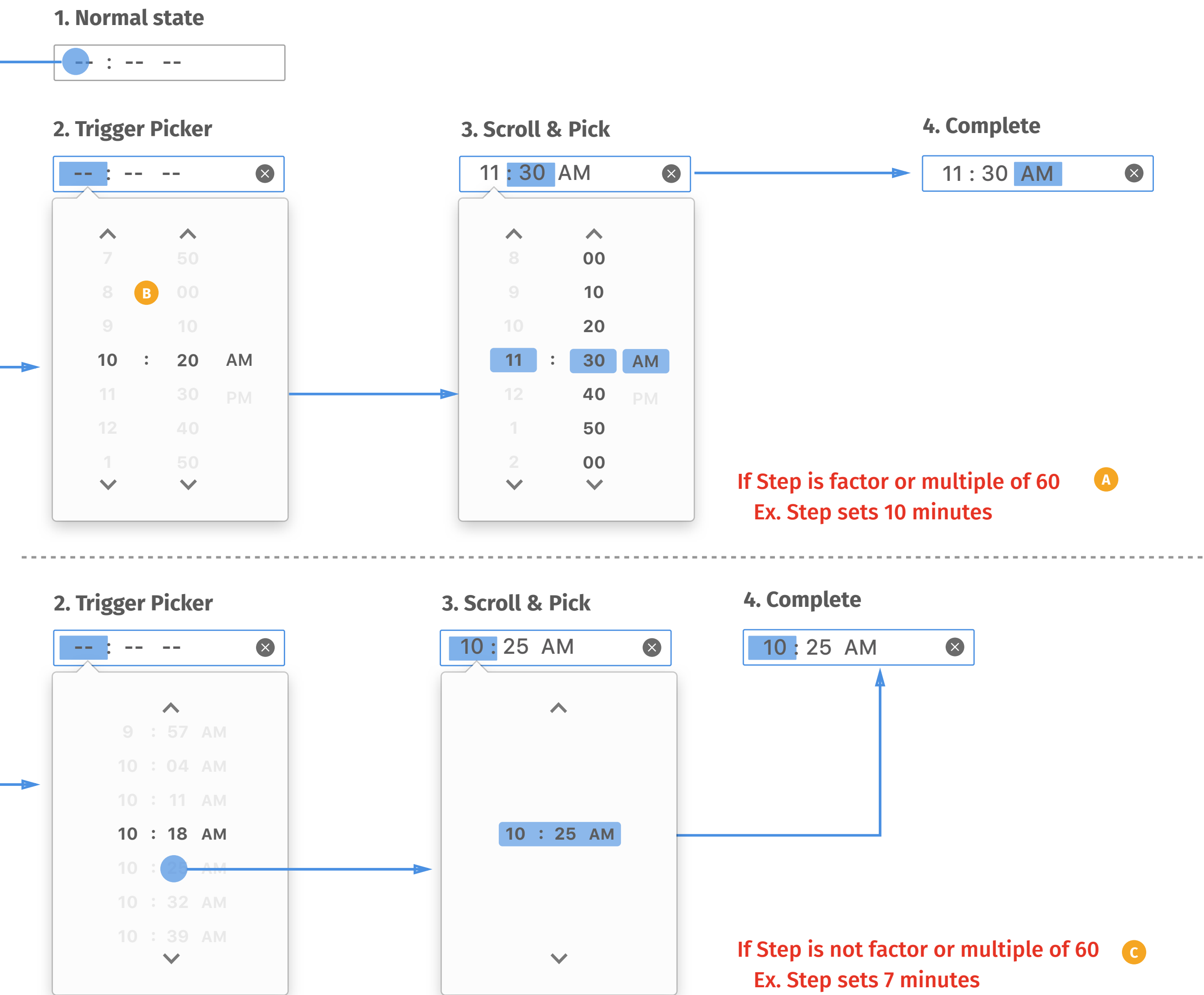
NOTE

If web authour sets Max/Min and Step is not factor or multiple of 60, display options in one collumn.

A Web authour can set to skip amout of minutes as step for user to pick from.

B The step which is factor or multiple of 60 will only display the available minute as options. Factors and multiples include 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, and 20xN.

C The step which is not factor or multiple of 60 will combine hour, minutes and AM/PM as one collumn. All numbers are not included in factors and multiples will be combined into one column.

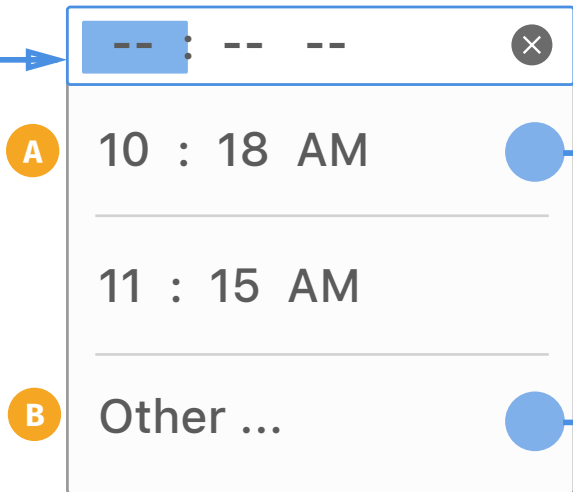


Input Box with Preset List

1. Normal state

An input box with a blue dot on the left and three dashed lines representing a time format: -- : -- --.

2. Click to Trigger Picker

A dropdown menu with a close button (X) in the top right. It contains three items: '10 : 18 AM' (labeled A), '11 : 15 AM', and 'Other ...' (labeled B). Each item has a blue dot to its right.

If List sets below items as suggestions:
10 : 18 AM, 11 : 15 AM

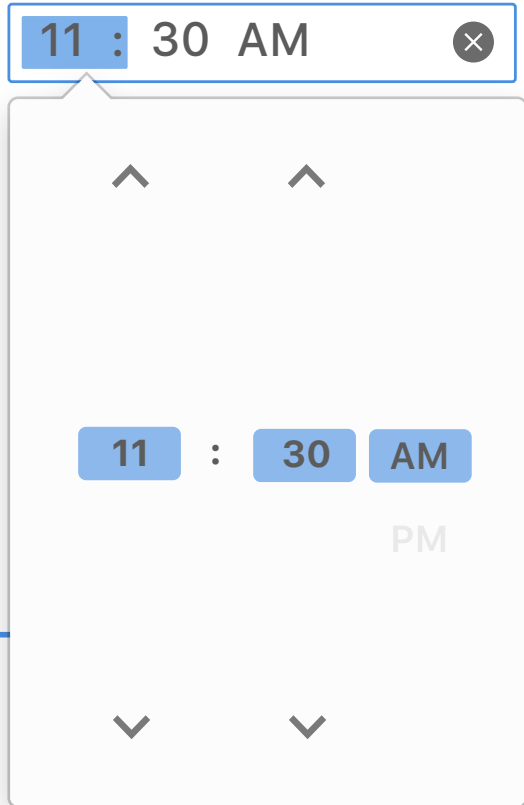
3. Pick Suggestion

The input box now contains the text '10 : 18 AM' and has a close button (X) on the right.

5. Complete

The input box contains the text '11 : 30 AM' and has a close button (X) on the right.

4. Pick Another Time

A time picker interface with a close button (X) in the top right. It features two columns of up/down arrows. In the center, there are three blue buttons labeled '11', '30', and 'AM'. Below them, the text 'PM' is visible in a lighter color.

NOTE

- A Web author can set lists for user to pick as suggestions.
- B If user wants to pick a specific time which is not included in web author's suggestions, user can choose "Other" to trigger the normal time picker.



Arrow keys on Input Box

1. Normal state

2. Trigger Picker

7	15
8	16
9	17
10	18
11	19
12	20
1	21

AM PM

B



7	15
8	16
9	17
10	18
11	19
12	20
1	21

AM PM

B



7	15
8	16
9	17
10	18
11	19
12	20
1	21

AM PM

A



6	15
7	16
8	17
9	18
10	19
11	20
12	21

AM PM

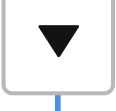
A



7	14
8	15
9	16
10	17
11	18
12	19
1	20

AM PM

or



C

7	15
8	16
9	17
10	18
11	19
12	20
1	21

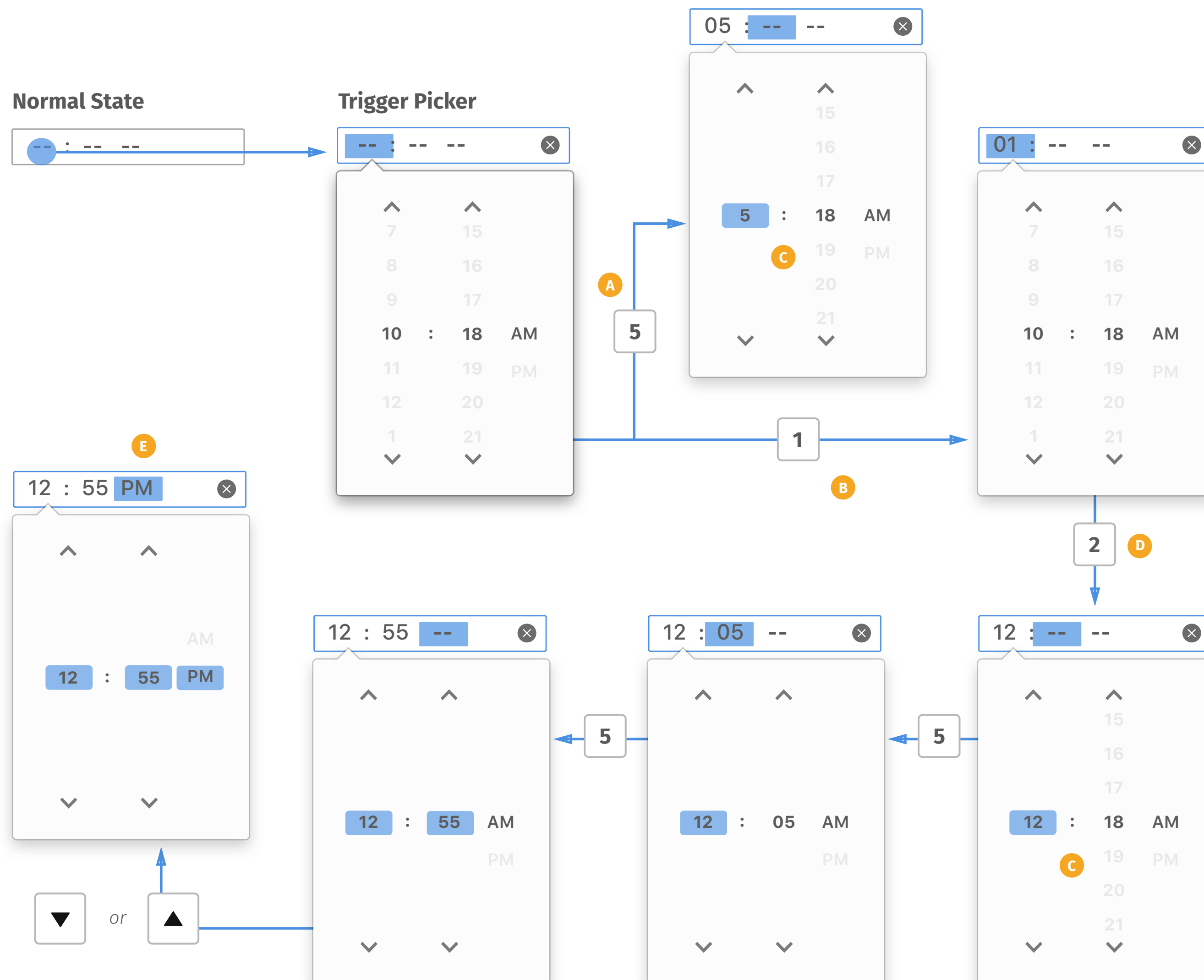
AM PM

NOTE

- A** Users can use keyboard to change values in input box. Up/down key will add/minus one for the selected segment. Whenever changing the values in input box, the picker below will reflect the values simultaneously.
- B** Left/right key will move the highlight state to choose different segment.
- C** Up/down key will switch between AM/PM.



Number keys on Input Box

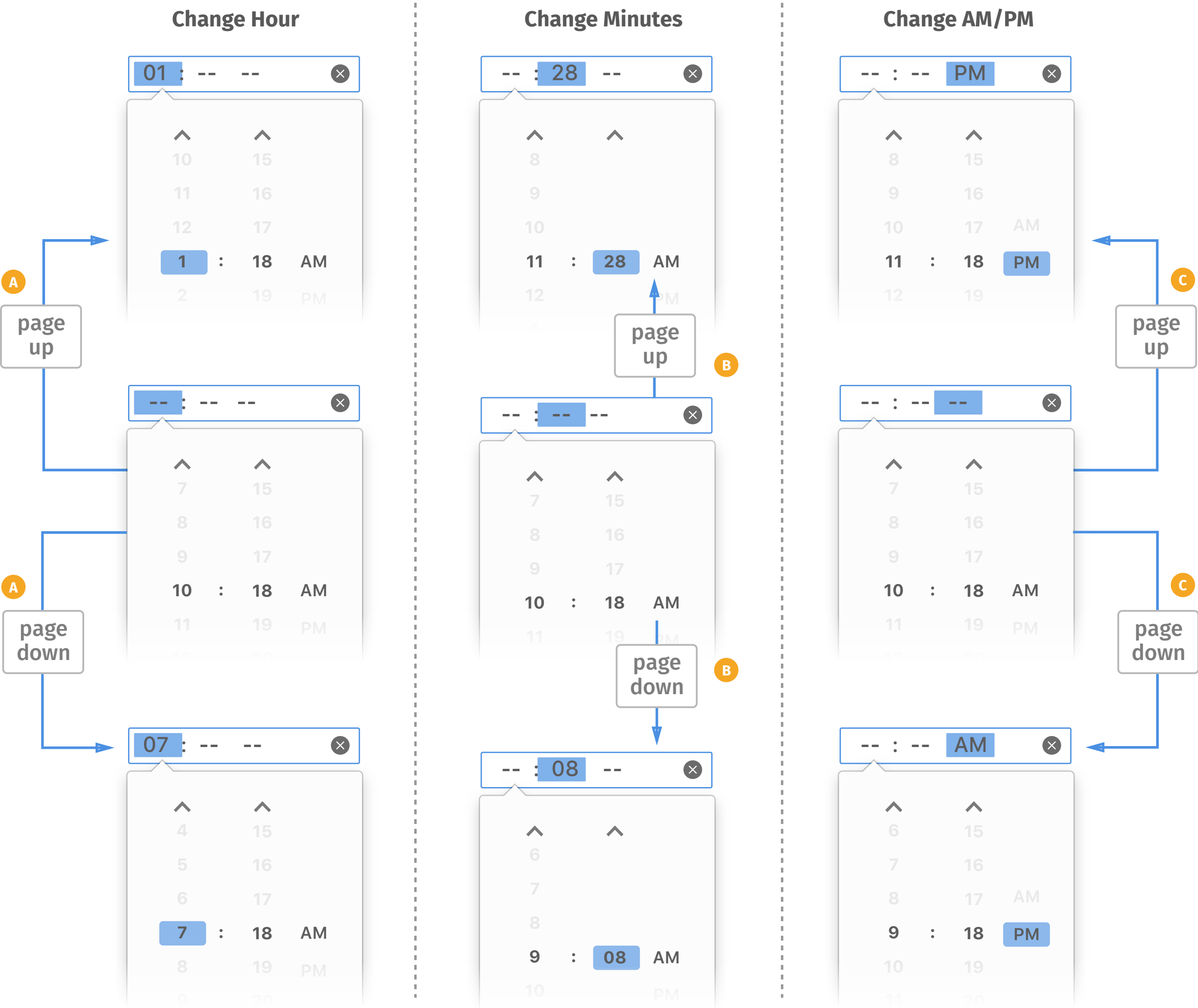


NOTE

- A** Users can use number keys to directly enter a value in input box values in input box. If the entered number is impossible to have a second digit, it will be defined as confirmation and move the highlight to the next segment. Ex. it's impossible to have more than 12 hours within a day, so when user types digits more than 1, the highlight will automatically move to the next segment.
- B** If the entered number is possible to have a second digit, it will hold to wait for user to type the second digit.
- C** Whenever detecting the confirmation, the picker below will reflect the values simultaneously.
- D** If typing the second digit, it will be defined as confirmation and move the highlight to the next segment.
- E** Once the highlight moves to the last segment, typing new digits will replace the segment from the last digit.



PageUp/Down keys on Input Box

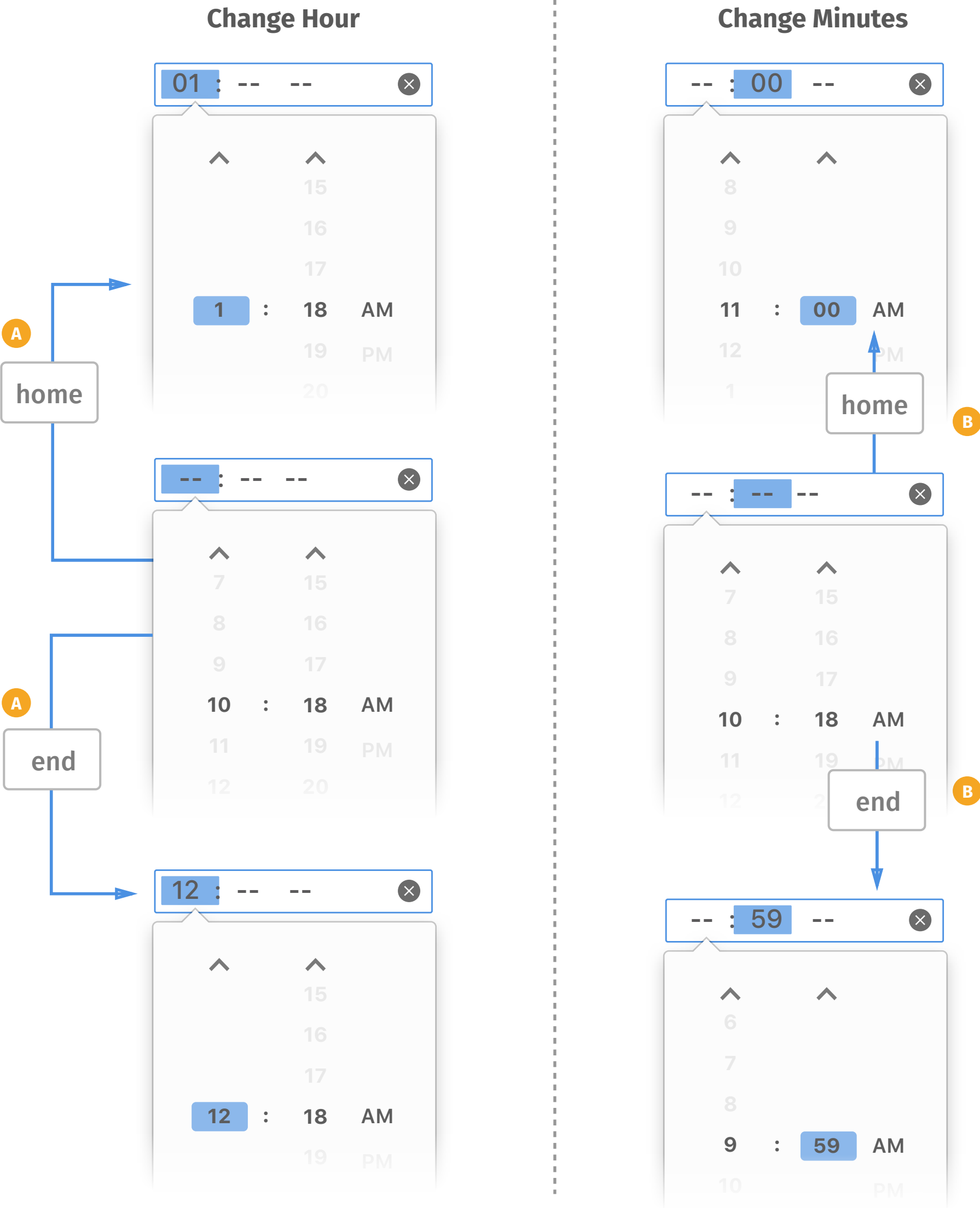


NOTE

- A** Users can use page up/down keys to change values in input box. Page up/down will go to next/previous 3 hour. Whenever changing the value, the picker below will reflect the values simultaneously.
- B** Page up/down will add/minus 10 minutes.
- C** Page up/down will switch between AM/PM.



Home/End keys on Input Box



Change AM/PM

Home/End key works
no function AM/PM

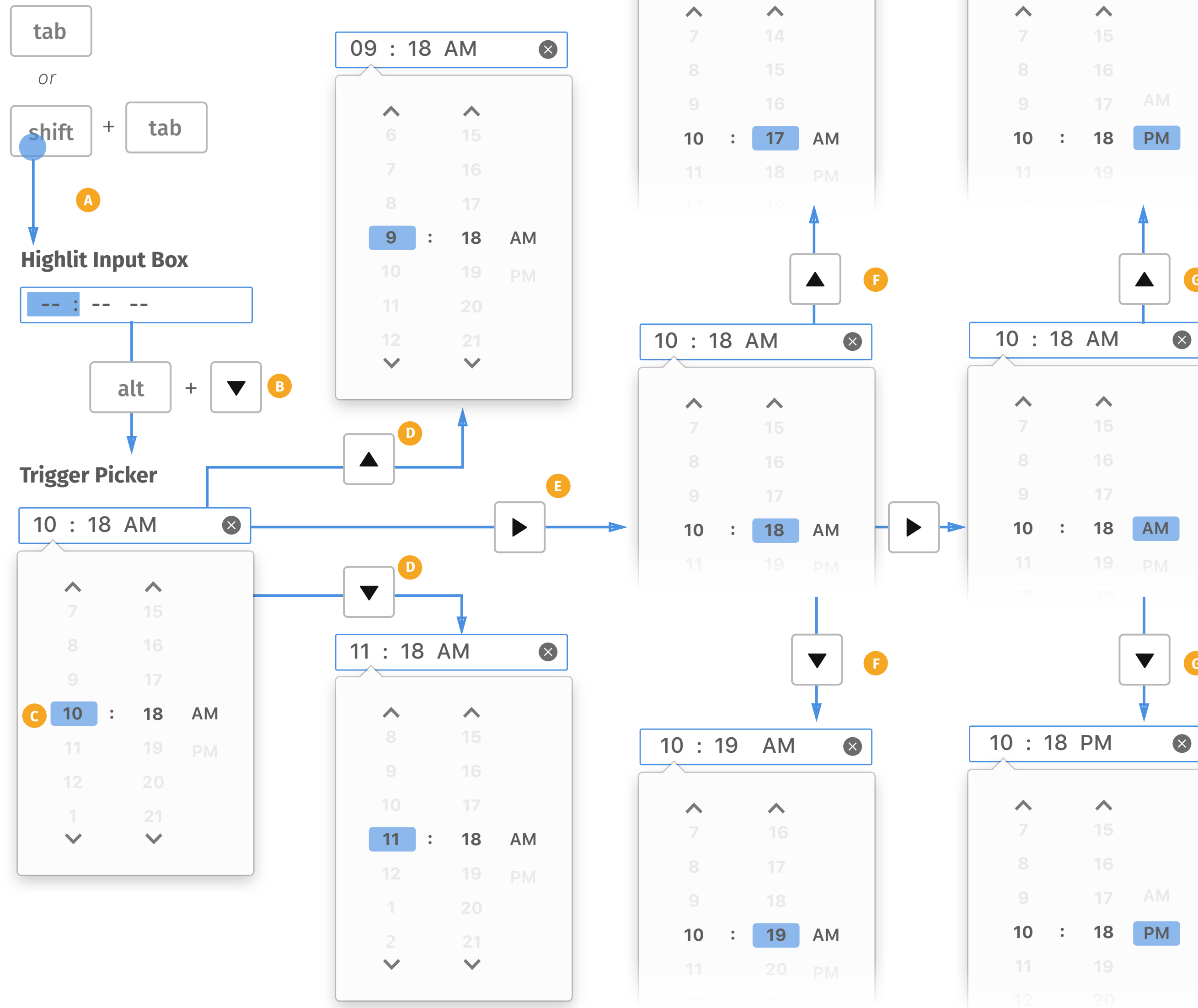
C

NOTE

- A** Users can use home/end keys to change to the first/last item in input box. Home/end keys will go to the first/last year. Whenever changing the value, the picker below will reflect the values simultaneously.
- B** Home/end keys will go to the first/last minute.
- C** Home/end keys will do nothing.



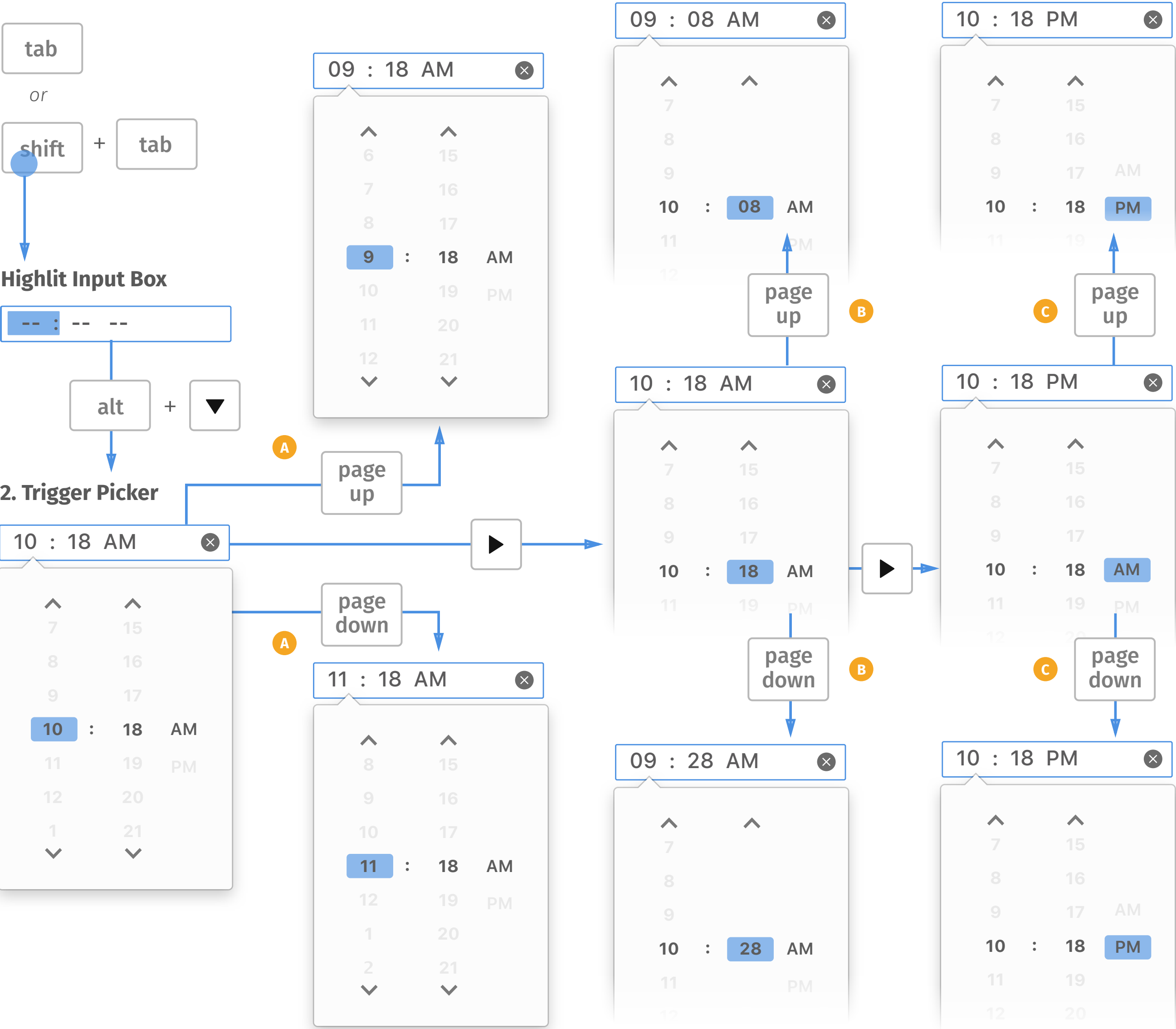
Arrow Keys on Picker



NOTE

- A** Users can complete the entire flow by keyboard only, which is designed for visually impaired. User can use Tab or Shift+Tab to switch highlight among website to select input box. When user select the input box by keyboard, the input box will turn highlight state and select the first segment, but the picker won't be triggered by default.
- B** User can use Alt+Down key to trigger the picker.
- C** When picker triggered by keyboard, the highlight will move to be on the picker, select this month as default and reflect the value in input box.
- D** Up/down key will move the highlight to the previous/next hour on hour column. Whenever the highlight moves, the input box will changes the value accordingly.
- E** Left/right key will switch the highlight between the hour, minute and AM/PM columns.
- F** Up/down key will move the highlight to the previous/next minute on the minute column.
- G** Up/down key will switch between AM/PM.

PageUp/Down Keys on Picker

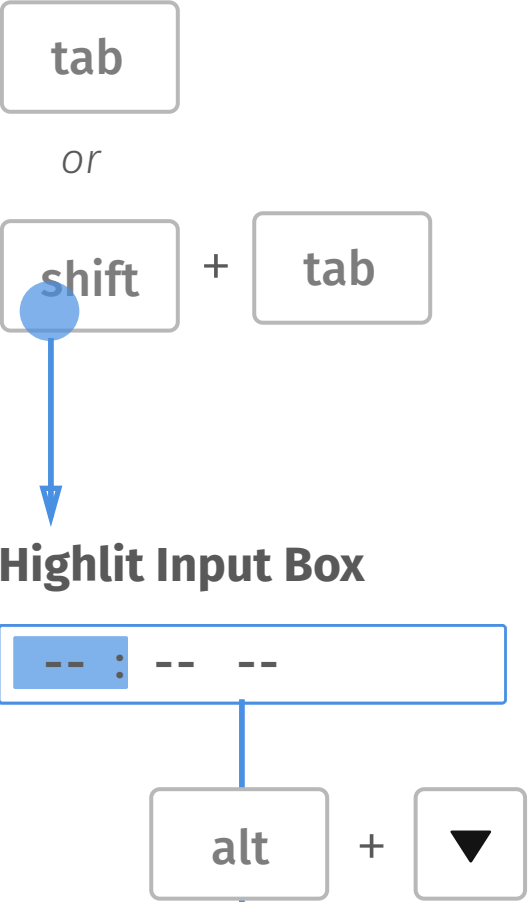


NOTE

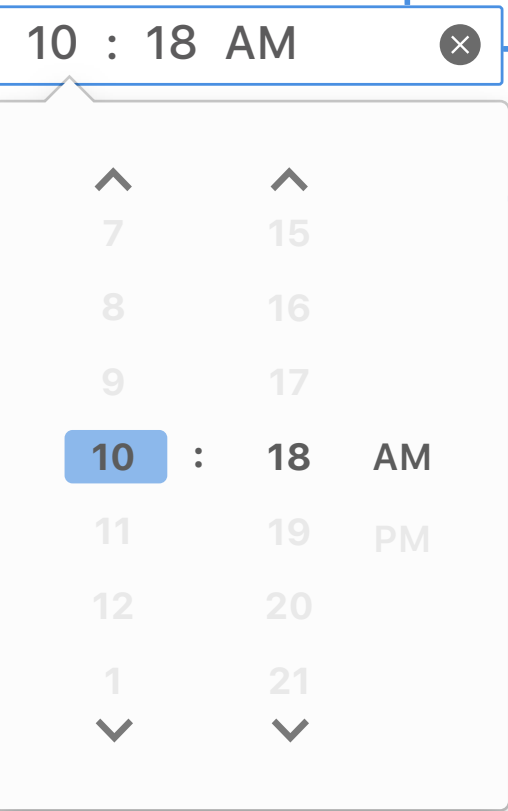
- A** PageUp/down key will move the highlight to the previous/next hour on hour column. Whenever the highlight moves, the input box will change the value accordingly.
- B** PageUp/down key will move the highlight to 10 minutes ago/later on minute column. Whenever the highlight moves, the input box will change the value accordingly.
- C** Up/down key will switch between AM/PM.



Home/End keys on Picker



2. Trigger Picker

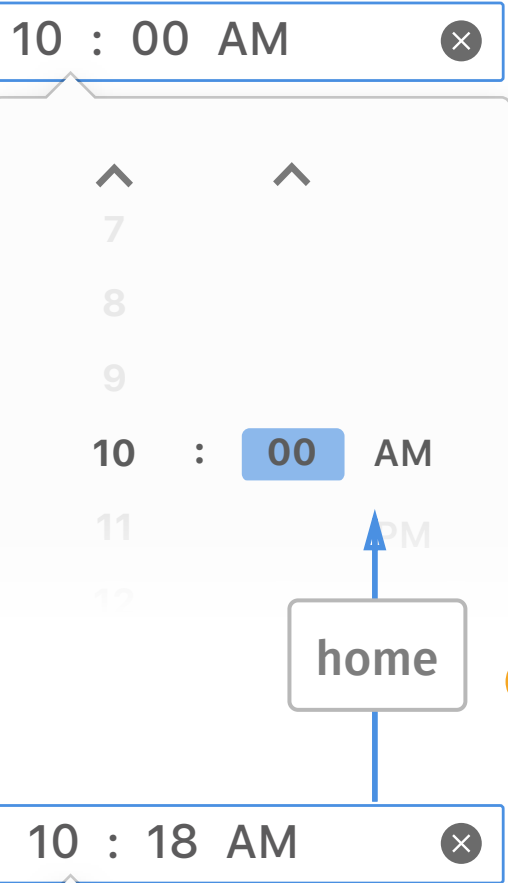
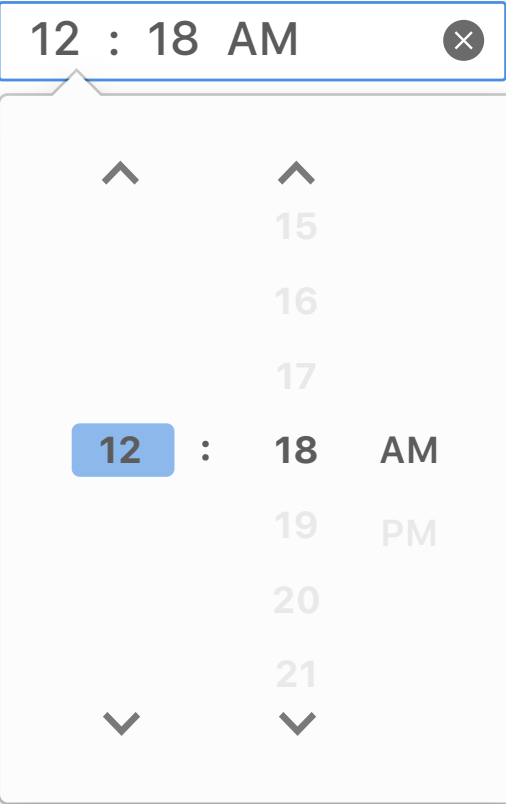


home

A

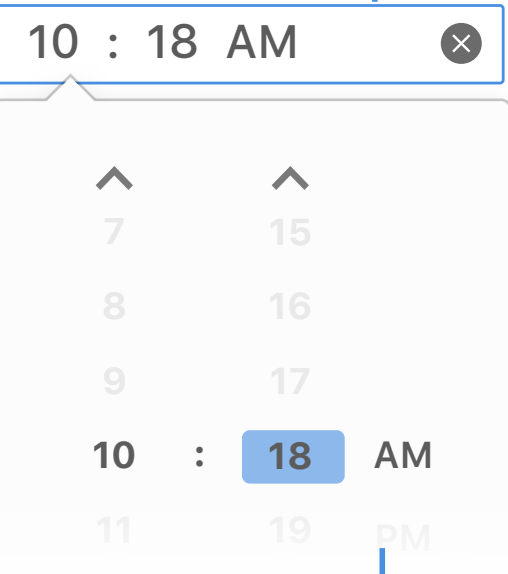
end

A



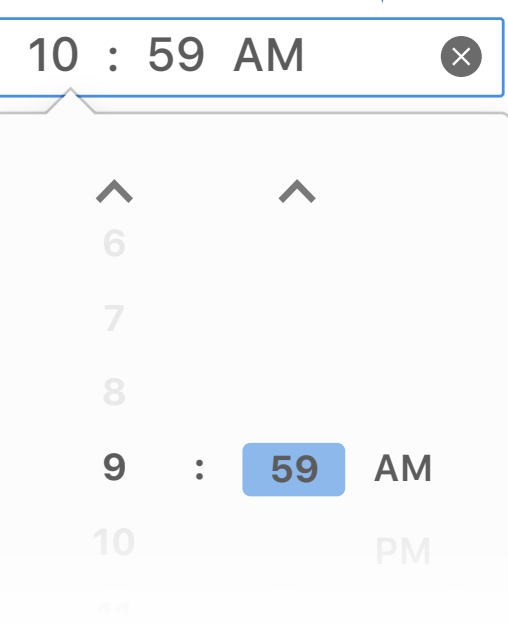
home

B



end

B



C

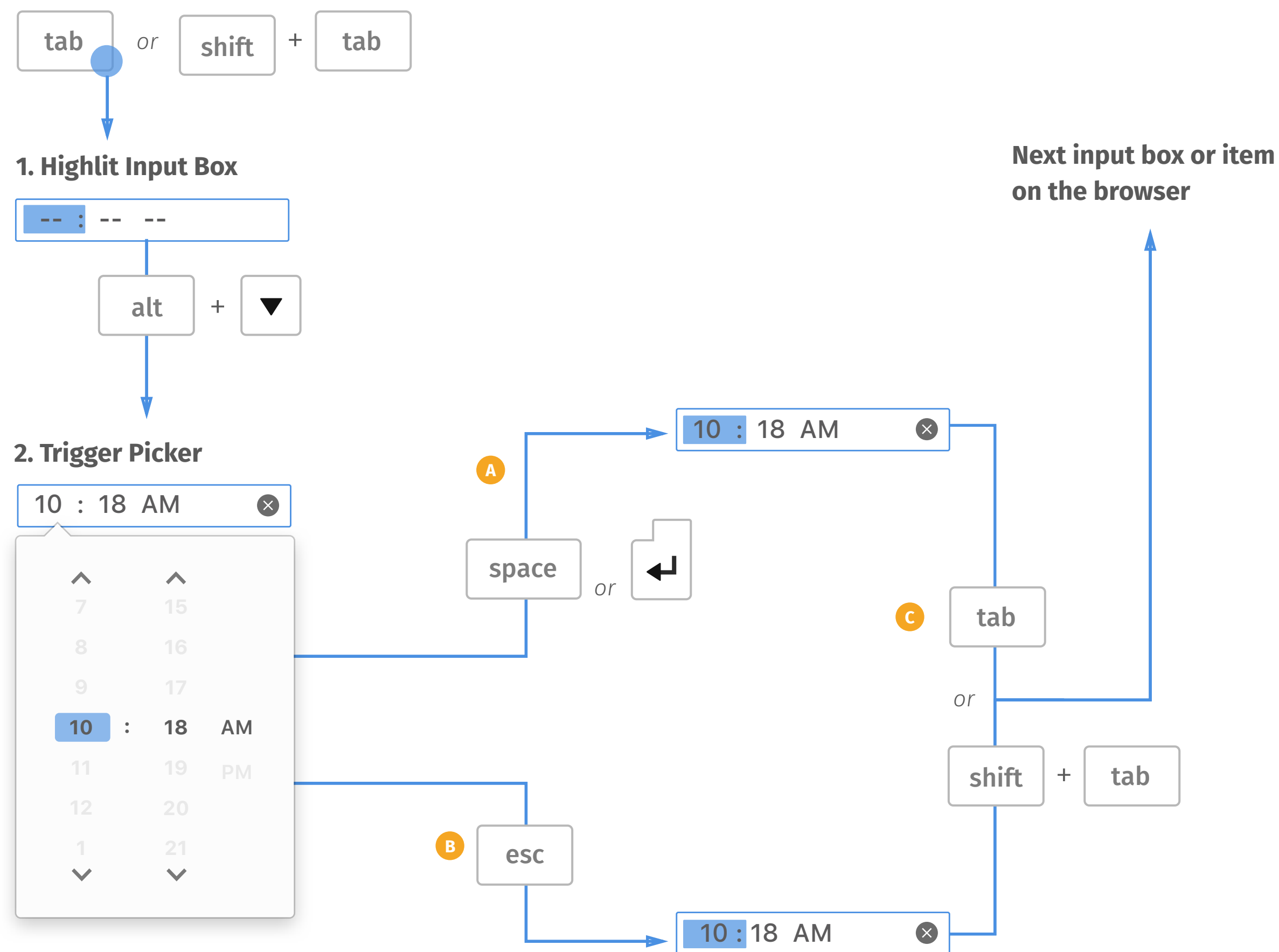
Home/End key works no function AM/PM

NOTE

- A Home/end key will move the highlight to the first/last hour on hour column. Whenever the highlight moves, the input box will changes the value accordingly.
- B Home/end key will move the highlight to the first/last minute on minute column. Whenever the highlight moves, the input box will changes the value accordingly.
- C Home/end key will work no function on AM/PM column.



Tab/Space/Enter/Esc keys on Picker



NOTE

- A** Space/enter key will confirm the selection and collapse the picker. The highlight will move to the first segment in the input box.
- B** Esc key will dismiss the picker and save filled segment. The highlight will move to the first segment in the input box.
- C** Tab/shift+tab key will select the next item on the browser.



Error Message

1. Normal State

--

:

--

--

If Min: 08 : 10 AM
Max: 06 : 30 PM

2. Trigger Picker

--

:

--

--

×

^

7

8

9

10

11

12

1

↓

^

15

16

17

18

19

20

21

↓

:

:

AM

PM

7

5

2

▼

A

3. Display Error Message

07 : 52

PM

×

Please enter a valid value. You can only key in value between 08 : 10 AM and 06 : 30 PM.

B

1. Normal state

--

:

--

--

If Step sets 30 minutes

2. Trigger Picker

--

:

--

--

×

^

7

8

9

10

11

12

1

↓

^

15

16

17

18

19

20

21

↓

:

:

AM

PM

7

2

7

▼

A

3. Display Error Message

07 : 27

PM

×

Please enter a valid value. You can only key in value every 30 minutes starting from 10 : 18 AM.

C

NOTE

- A** Whenever user finishes the input box by typing numbers or arrow keys, browser needs to validate the selection.
- B** If the selection is out of range which web author sets, display the error message.
- C** If the selection is outside of preset step which web author sets, display the error message.



Localization

Providing various common date formats as options for localization need.

NOTE

1. Time Formats

12-hour clock

-- : -- --

ex. 10 : 18 PM

12-hour clock

-- -- : --

ex. 上午 10 : 18

24-hour clock

-- : --

ex. 22 : 18

Seconds

-- : -- : -- --

ex. 10 : 18 : 30 PM

Milliseconds

-- : -- : -- . --- --

ex. 10 : 18 : 30 . 235 PM

2. Separators of Component

Colon

-- : -- --

Dots

-- . -- --



RTL (Right to Left)

NOTE

Normal state

-- -- : --

All Picked

×

-- -- :

--

Hover state

-- -- : --

Picker

×

-- -- :

--

ص

15

16

17

18

19

20

21

↓

↑

7

8

9

10

11

12

1

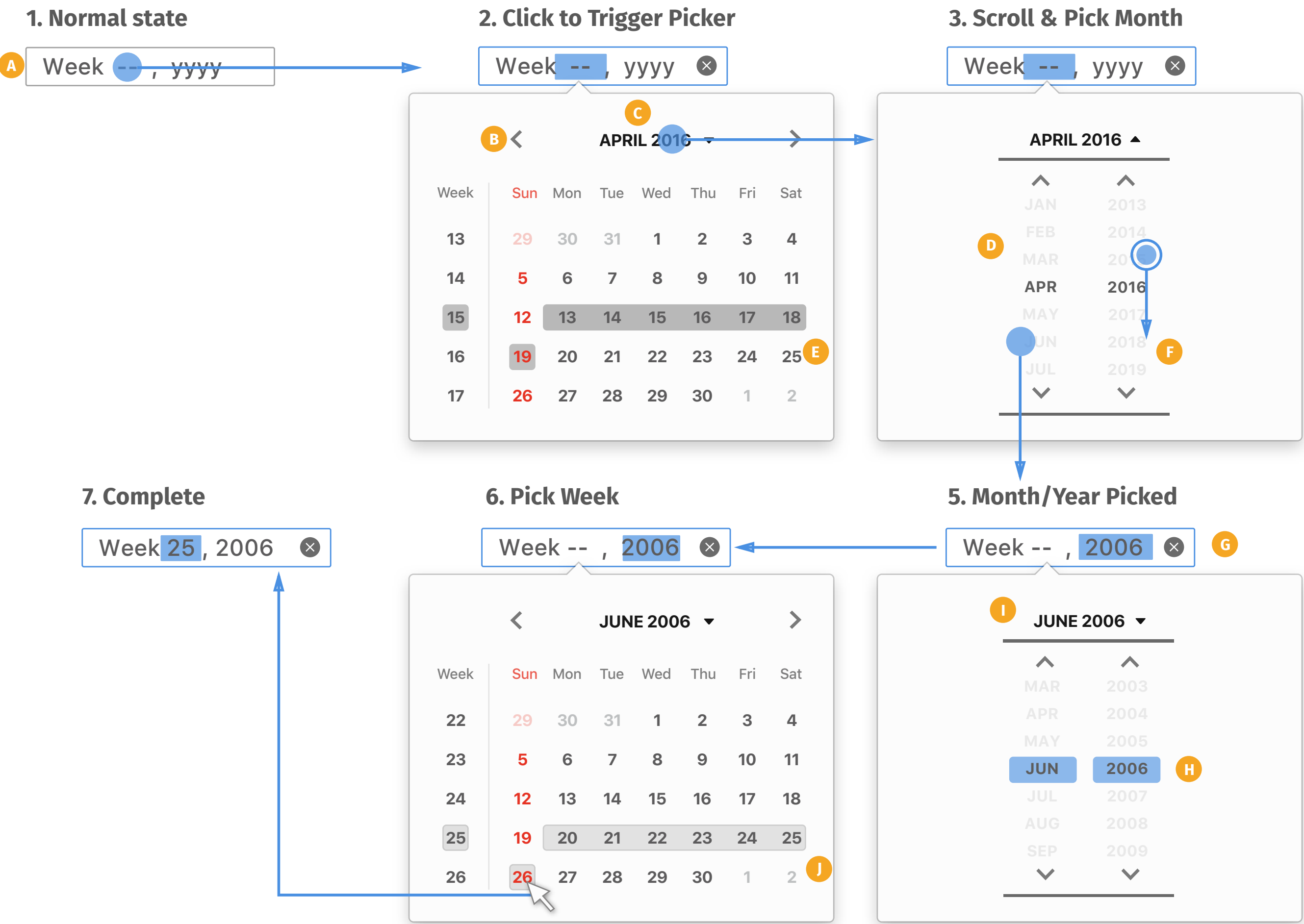
↓

:



Week

Basic Working Flow



NOTE

- A Default input field displays Week --, yyyy, but vary based on locale.
- B Forward/Back can help user move to the next/last month.
- C When highlighting, showing hover state on the whole week. Click to expand month/year picker for user to choose.
- D Display first 3 alphabets as day of the week. Applying red color to visually differentiate holidays, which is based on locales.
- E Indicator for this week.
- F Applying transparent to visually differentiate dates between picked month and next/last month.
- G Whenever user picks month/year, the highlight in input box will move to picked segment and change value simultaneously.
- H Picked item needs selected state to indicate user.
- I Whenever user finishes selecting or tap on the title, month/year picker collapses and go back to date picker.
- J Indicator for hover state.



Default Input Box

Normal state

Week -- , yyyy

All Picked

Week 16 , 2016

Hover state

Week -- , yyyy

Pick Week

Week 16 , 2016

<APRIL 2016>

Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
13	29	30	31	1	2	3	4
14	5	6	7	8	9	10	11
15	12	13	14	15	16	17	18
16	19	20	21	22	23	24	25
17	26	27	28	29	30	1	2

Pick Month

Week -- , yyyy

APRIL 2016

^	^
JAN	2013
FEB	2014
MAR	2015
APR	2016
MAY	2017
JUN	2018
JUL	2019
v	v

Pick Year

Week -- , 2016

APRIL 2016

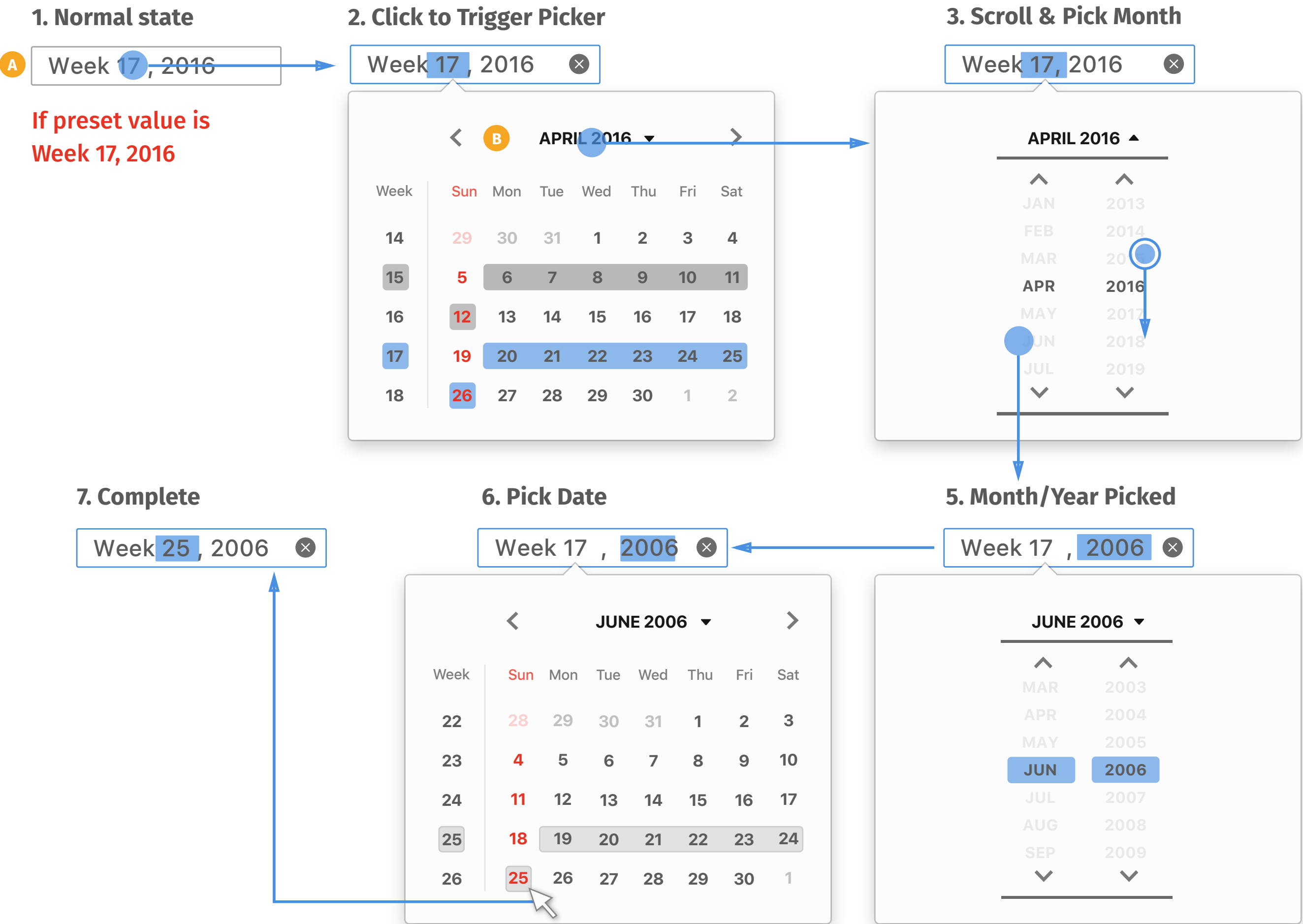
^	^
JAN	2013
FEB	2014
MAR	2015
APR	2016
MAY	2017
JUN	2018
JUL	2019
v	v

NOTE

- A Hover state will highlight the input box whenever user moves cursor on or uses tab to select.
- B Delete button displays when user edits any segment, and it will



Input Box with Preset Value

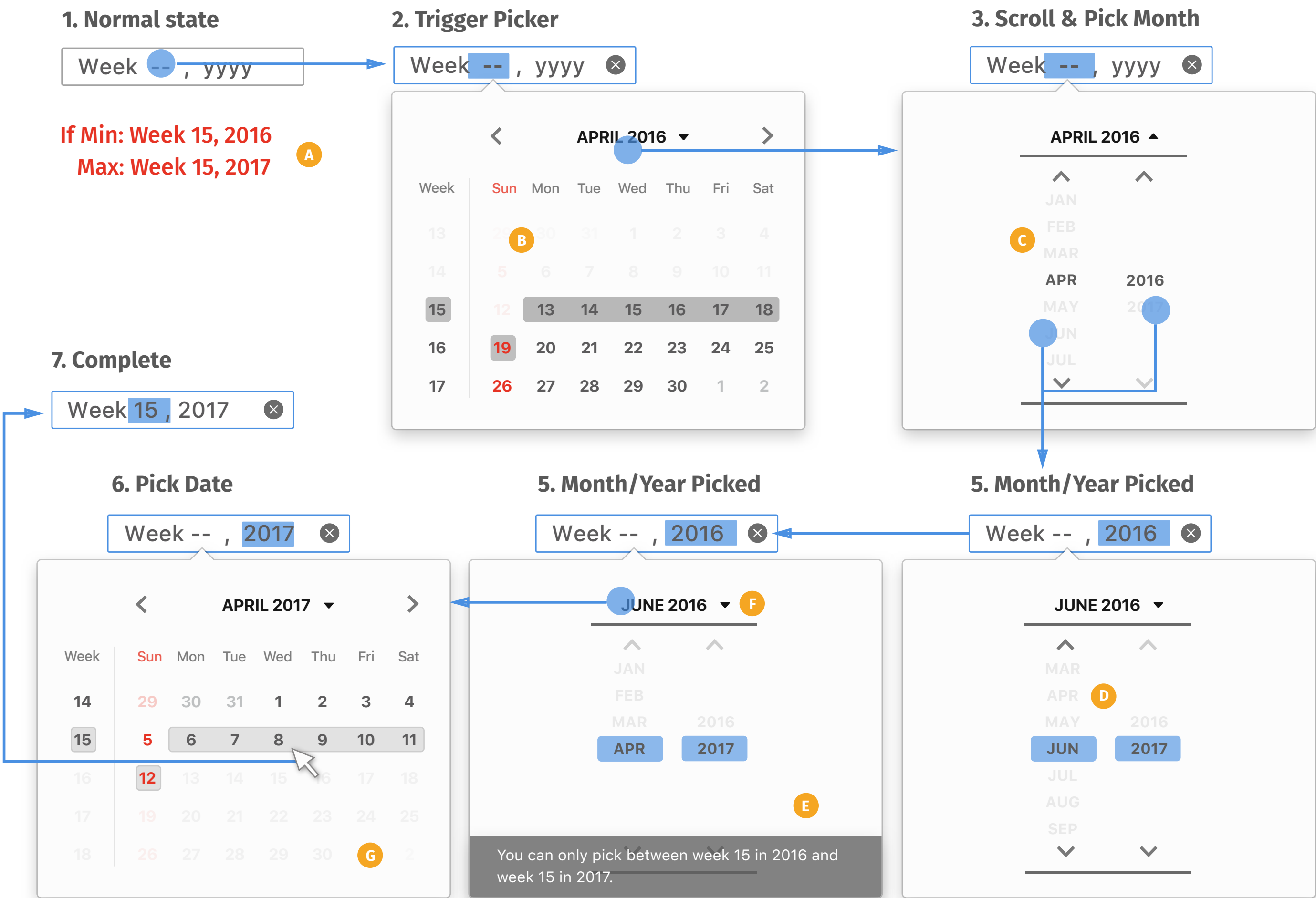


NOTE

- A** Web author can set a preset value to display in input box.
- B** When triggering the picker, the calendar will show the month of the preset week and show selected state as default.



Input Box with Preset Max/Min Value



NOTE

- A** Web authour can set minimun and maxmum of week as a range for user to pick from.
- B** The weeks which are outside of the preset range will become disabled.
- C** The picker will display all months as options but only show available years for users. However, if user picks year first, the picker will only display the available months.
- D** If user finishes both selections of month and year and browser detects the selection is out of range, the selection will be auto-corrected instead of collapsing and back to input box.
- E** Auto-correction will change the value to the maxmum value if user picks an newer time, and vice versa. There will be a message displayed to inform user the preset max/min value.
- F** User can click on the title to return to date picker or scroll the picker to continue change values.
- G** User can only pick available dates within the range. The disabled dates won't show hover state when mouse over.



Input Box with Preset Step

1. Normal state

Week --, yyyy

2. Click to Trigger Picker

Week --, yyyy

If Step sets 2 Weeks

A

Calendar view for April 2016. The week of April 13-18 is highlighted. The date 13 is marked with a blue dot and a yellow circle with 'B'.

3. Scroll & Pick Month

Week --, yyyy

Month/year picker view. The month 'APR' and year '2016' are selected and highlighted with a blue dot.

5. Month/Year Picked

Week --, 2016

Month/year picker view. The month 'JUN' and year '2016' are selected and highlighted with a blue dot.

6. Pick Date

Week --, 2016

Calendar view for June 2016. The date 25 is highlighted with a blue dot and a yellow circle with 'C'.

7. Complete

Week 25, 2016

NOTE

- A Web author can set to skip amount of weeks as step for user to pick from.
- B The weeks which are outside of the preset step will become disabled. If web author doesn't set start week, the week with today becomes default start week.
- C User can only pick available weeks based on the step. The disabled weeks won't show hover state when mouse over.



Input Box with Preset List

1. Normal state

Week --, yyyy

2. Click to Trigger Picker

Week --, yyyy

A

Week 15, 2016

B

Week 20, 2016

Other ...

If List sets below items as suggestions:
Week 15 & 20, 2016

3. Pick Suggestion

Week 15, 2016

5. Complete

Week 16, 2016

4. Pick Another Date

Week --, yyyy

< APRIL 2016 >

Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
13	29	30	31	1	2	3	4
14	5	6	7	8	9	10	11
15	12	13	14	15	16	17	18
16	19	20	21	22	23	24	25
17	26	27	28	29	30	1	2

NOTE

- A Web author can set lists for user to pick as suggestions.
- B If user wants to pick a specific week which is not included in web author's suggestions, user can choose "Other" to trigger the normal week picker.



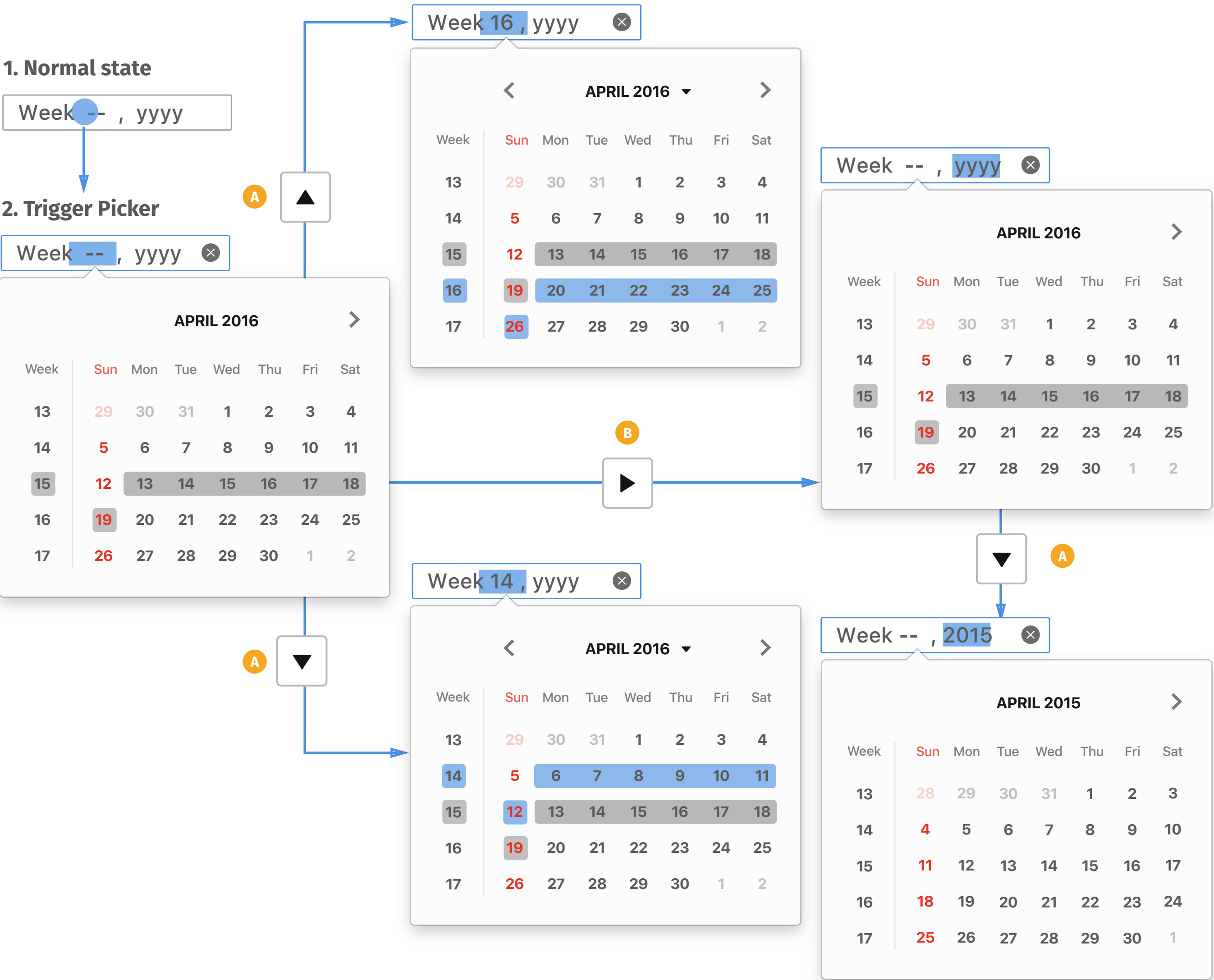
Arrow keys on Input Box

1. Normal state

Week -- , yyyy

2. Trigger Picker

Week -- , yyyy



NOTE

- A** Users can use keyboard to change values in input box. Up/down key will add/minus one for the selected segment. Whenever changing the values in input box, the picker below will reflect the values simultaneously.
- B** Left/right key will move the highlight state to choose different segment.

Number keys on Input Box

Normal State

Week -- , yyyy

Trigger Picker

Week -- , yyyy

APRIL 2016							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
13	29	30	31	1	2	3	4
14	5	6	7	8	9	10	11
15	12	13	14	15	16	17	18
16	19	20	21	22	23	24	25
17	26	27	28	29	30	1	2

Week 06 , yyyy

APRIL 2016							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
04	29	30	31	1	2	3	4
05	5	6	7	8	9	10	11
06	12	13	14	15	16	17	18
07	19	20	21	22	23	24	25

Week 01 , yyyy

APRIL 2016							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
13	29	30	31	1	2	3	4
14	5	6	7	8	9	10	11
15	12	13	14	15	16	17	18
16	19	20	21	22	23	24	25

Week 15 , 5555

APRIL 5555							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
13	28	29	30	31	1	2	3
14	4	5	6	7	8	9	10
15	11	12	13	14	15	16	17
16	18	19	20	21	22	23	24
17	25	26	27	28	29	30	1

Week 15 , yyyy

APRIL 2016							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
13	29	30	31	1	2	3	4
14	5	6	7	8	9	10	11
15	12	13	14	15	16	17	18
16	19	20	21	22	23	24	25
17	26	27	28	29	30	1	2

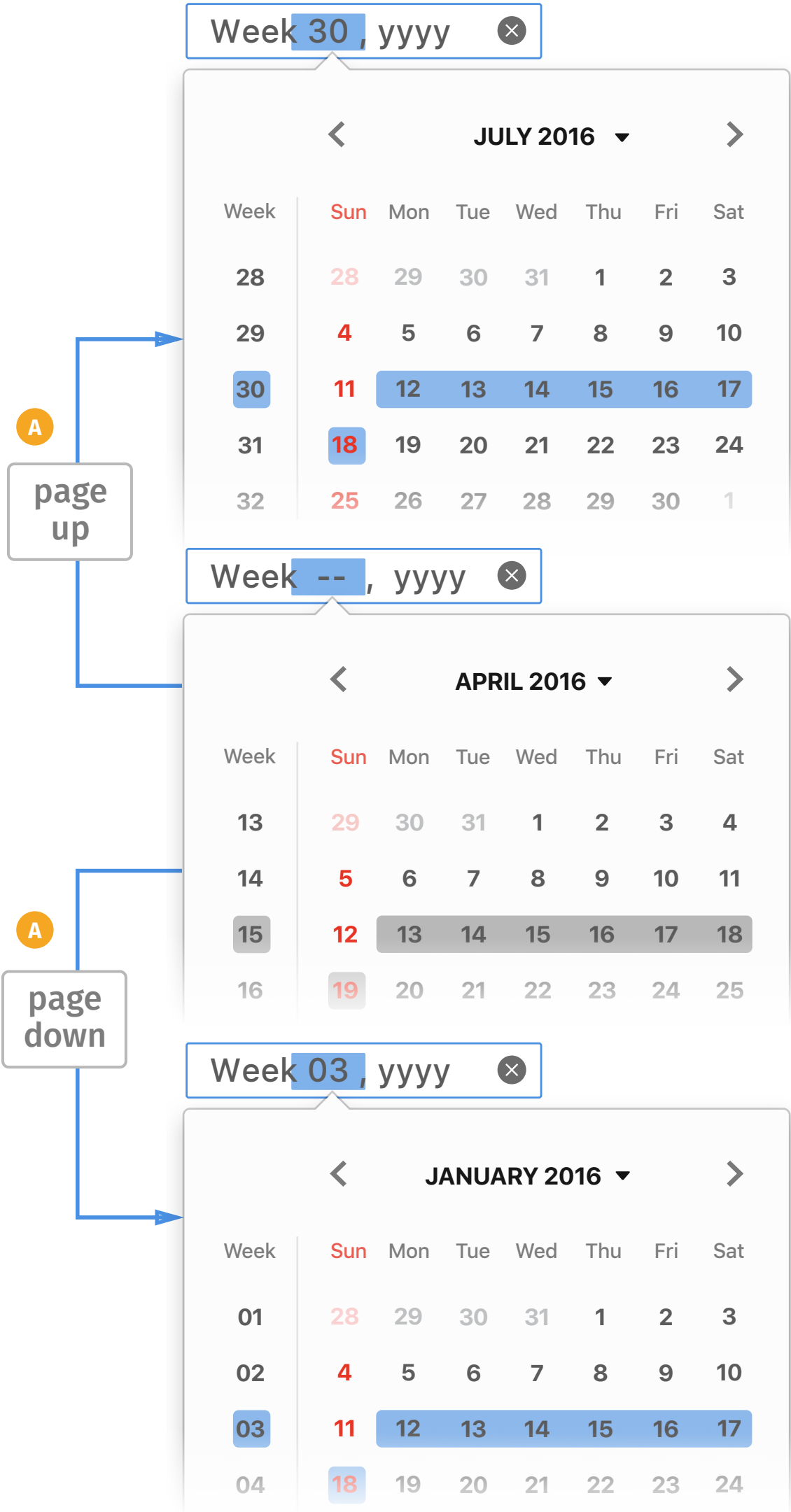
NOTE

- A** Users can use number keys to directly enter a value in input box values in input box. If the entered number is impossible to have a second digit, it will be defined as confirmation and move the highlight to the next segment. Ex. it's impossible to have more than 52 weeks within a year, so when user types digits more than 5, the highlight will automatically move to the next segment.
- B** If the entered number is possible to have a second digit, it will hold to wait for user to type the second digit.
- C** Whenever detecting the confirmation, the picker below will reflect the values simultaneously.
- D** If typing the second digit, it will be defined as confirmation and move the highlight to the next segment.
- E** Once the highlight moves to the last segment, typing new digits will replace the segment from the last digit.

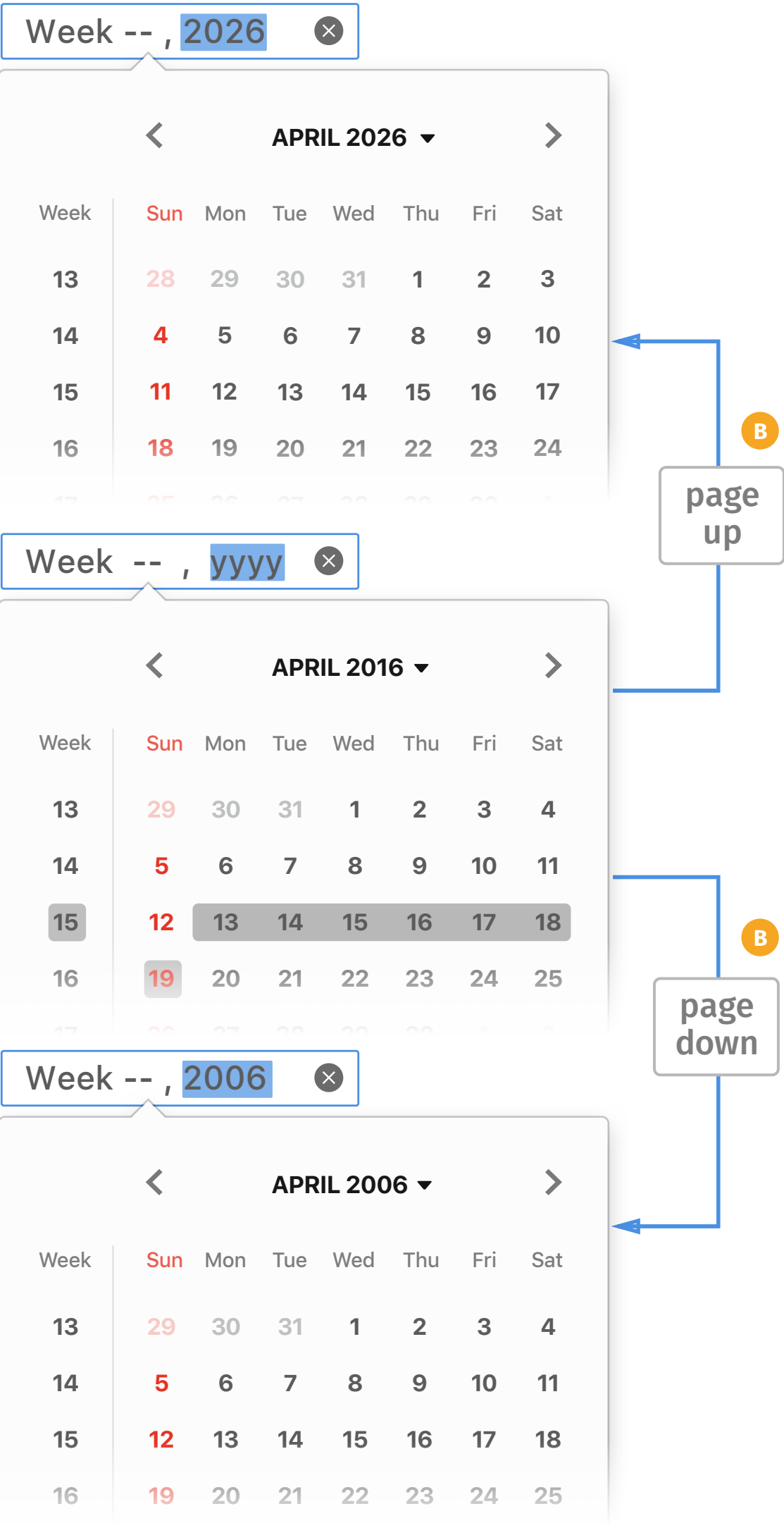


PageUp/Down keys on Input Box

Change Week



Change Year

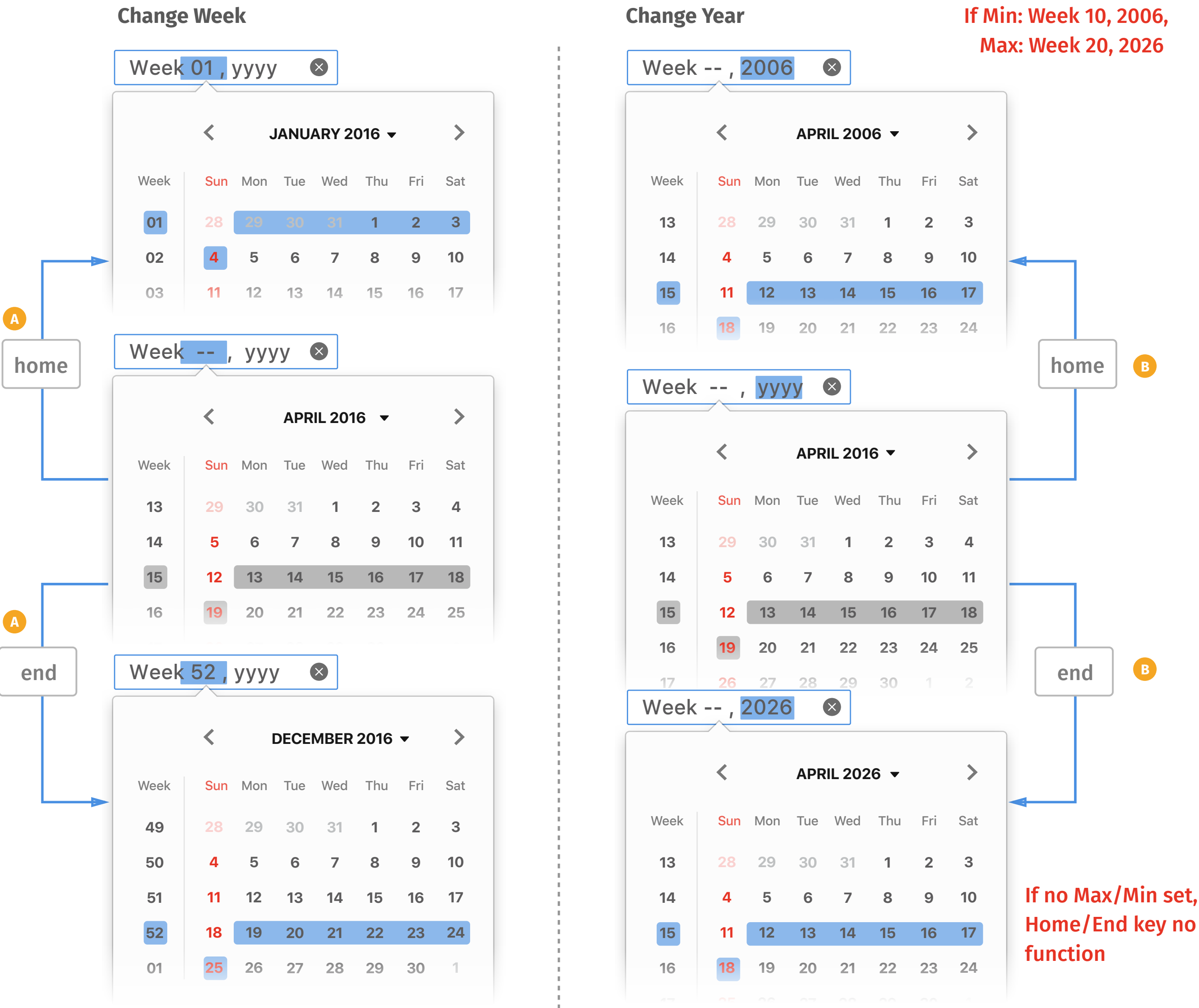


NOTE

- A** Users can use page up/down keys to change values in input box. Page up/down will go to next/previous 3 month. Whenever changing the value, the picker below will reflect the values simultaneously.
- B** Page up/down will add/minus 10 years.



Home/End keys on Input Box



NOTE

- A** Users can use home/end keys to change to the first/last item in input box. Home/end keys will go to the first/last week. Whenever changing the value, the picker below will reflect the values simultaneously.
- B** Home/end keys will go to the first/last year if there is a preset Min/Max value. If not, home/end keys do nothing.



Arrow Keys on Picker

tab or **shift** + **tab**

A

1. Highlight Input Box

Week --, yyyy

alt

+



B

Week 15, 2016



APRIL 2016



Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
13	29	30	31	1	2	3	4
14	5	6	7	8	9	10	11
15	12	13	14	15	16	17	18
16	19	20	21	22	23	24	25
17	26	27	28	29	30	1	2

C



D

Week 14, 2016



APRIL 2016



Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
13	29	30	31	1	2	3	4
14	5	6	7	8	9	10	11
15	12	13	14	15	16	17	18
16	19	20	21	22	23	24	25
17	26	27	28	29	30	1	2

Week 20, 2016



MAY 2016



Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
18	28	29	30	31	1	2	3
19	4	5	6	7	8	9	10
20	11	12	13	14	15	16	17
21	18	19	20	21	22	23	24
22	25	26	27	28	29	30	1

Week 16, 2016



APRIL 2016



Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
13	29	30	31	1	2	3	4
14	5	6	7	8	9	10	11
15	12	13	14	15	16	17	18
16	19	20	21	22	23	24	25
17	26	27	28	29	30	1	2

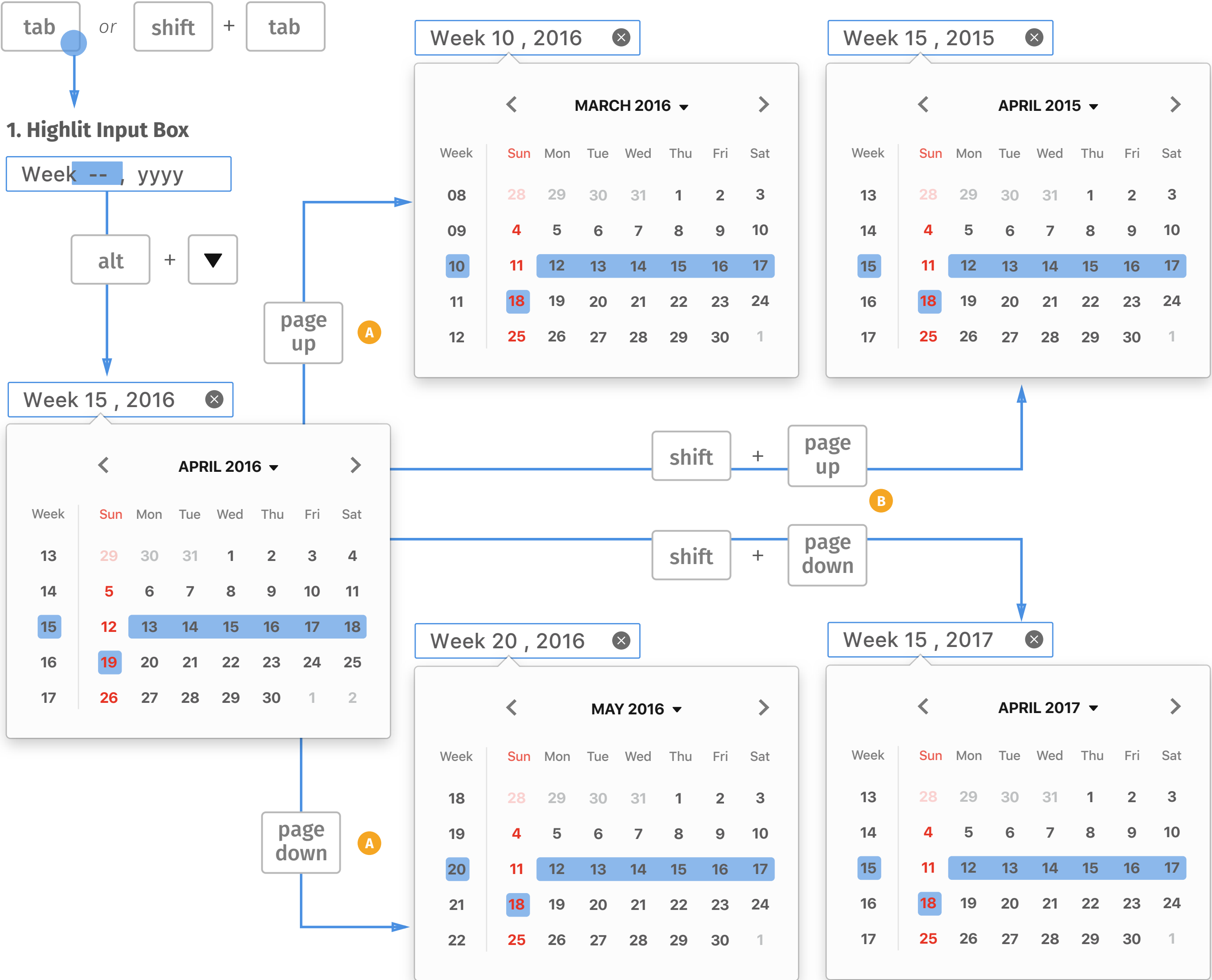
E



NOTE

- A** Users can complete the entire flow by keyboard only, which is designed for visually impaired. User can use Tab or Shift+Tab to switch highlight among website to select input box. When user select the input box by keyboard, the input box will turn highlight state and select the first segment, but the picker won't be triggered by default.
- B** User can use Alt+Down key to trigger the picker.
- C** When picker triggered by keyboard, the highlight will move to be on the picker, select today as default and reflect the value in input box.
- D** Up/down key will move the highlight to the previous/next week. Whenever the highlight moves, the input box will changes the value accordingly.
- E** Left/right key will move to the previous/next month. Whenever the highlight moves, the input box will changes the value accordingly.

PageUp/Down Keys on Picker

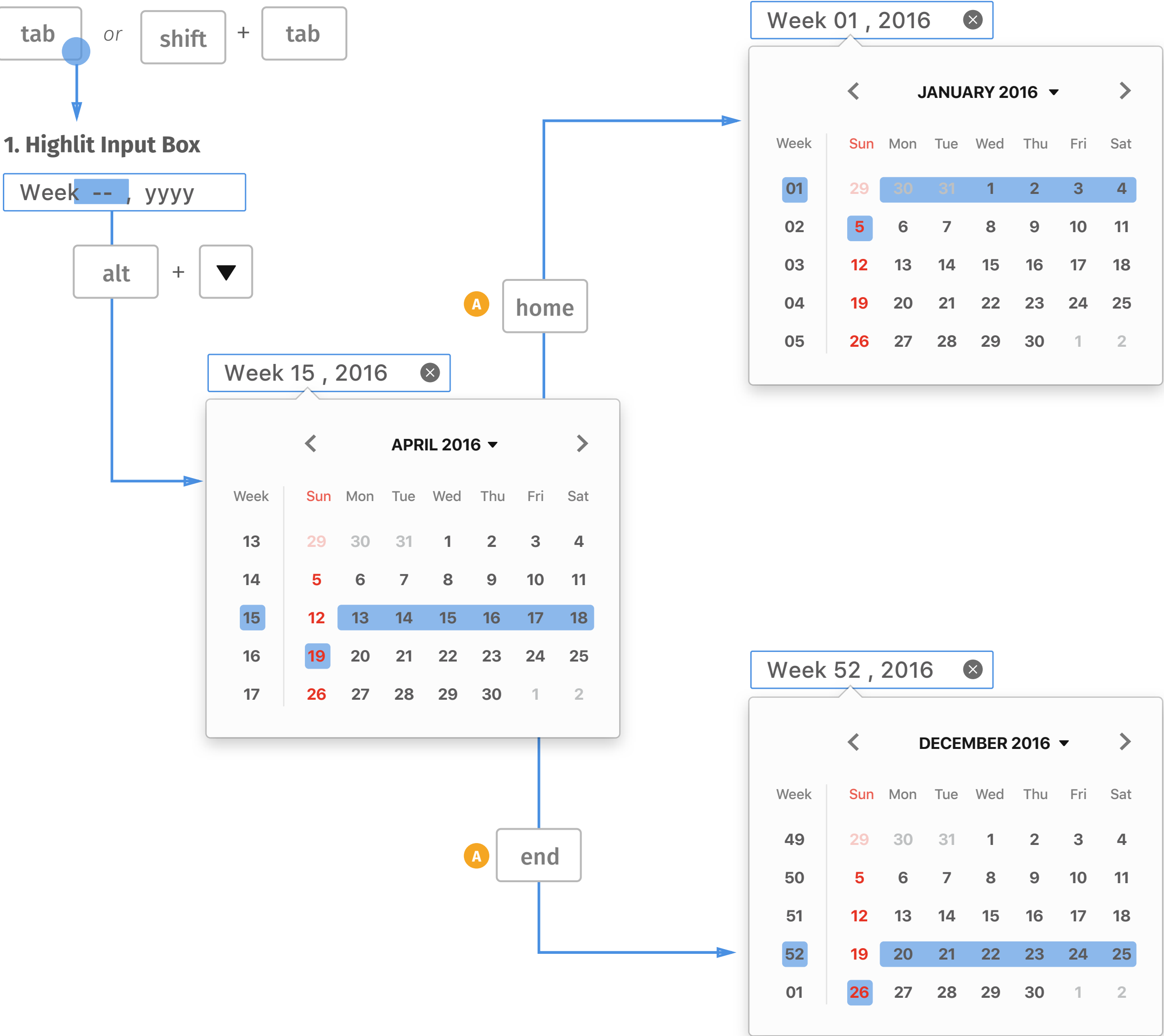


NOTE

- A** PageUp/down key will move the highlight to the previous/next month at the same week. Whenever the highlight moves, the input box will changes the value accordingly.
- B** Shift+PageUp/down key will move the highlight to the previous/next year at the same week. Whenever the highlight moves, the input box will changes the value accordingly.



Home/End keys on Picker

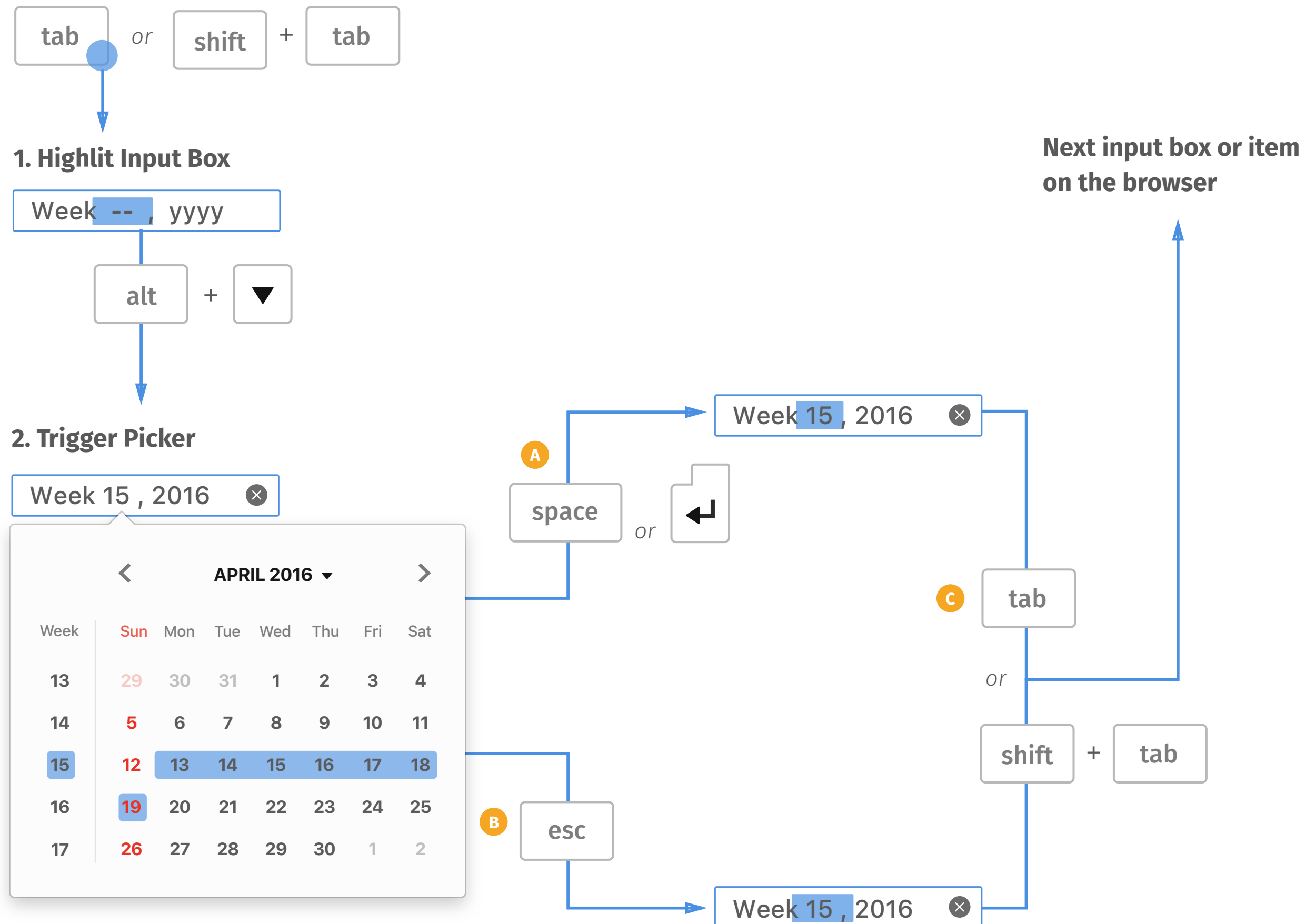


NOTE

- A** Home/end key will move the highlight to the first/last week of the selected month. Whenever the highlight moves, the input box will change the value accordingly.



Tab/Space/Enter/Esc keys on Picker



NOTE

- A** Space/enter key will confirm the selection and collapse the picker. The highlight will move to the first segment in the input box.
- B** Esc key will dismiss the picker and save filled segment. The highlight will move to the first segment in the input box.
- C** Tab/shift+tab key will select the next item on the browser.



Error Message

1. Normal State

Week --, yyyy

If Min: Week 15, 2016
Max: Week 30, 2026

2. Trigger Picker

Week --, yyyy

<

APRIL 2016

>

Week

Sun

Mon

Tue

Wed

Thu

Fri

Sat

13

29

30

31

1

2

3

4

14

5

6

7

8

9

10

11

15

12

13

14

15

16

17

18

16

19

20

21

22

23

24

25

17

26

27

28

29

30

1

2

4 1 2 0 1 3

3. Display Error Message

Week 41, 2013

Please enter a valid value. You can only key in value between Week 15, 2016 and Week 30, 2026.

1. Normal state

Week --, yyyy

If Step sets 2 weeks

2. Trigger Picker

Week --, yyyy

<

APRIL 2016

>

Week

Sun

Mon

Tue

Wed

Thu

Fri

Sat

13

29

30

31

1

2

3

4

14

5

6

7

8

9

10

11

15

12

13

14

15

16

17

18

16

19

20

21

22

23

24

25

17

26

27

28

29

30

1

2

1 4 2 0 1 6

3. Display Error Message

Week 14, 2016

Please enter a valid value. You can only key in value every 2 weeks starting from week 15 in 2016.

NOTE

- A** Whenever user finishes the input box by typing numbers or arrow keys, browser needs to validate the selection.
- B** If the selection is out of range which web author sets, display the error message.
- C** If the selection is outside of preset step which web author sets, display the error message.



Localization

Providing various common date formats as options for localization need.

NOTE

1. Week Formats

Week, Year

Week -- , yyyy

Year, Week

yyyy, Week --

2. First Day of the Week

Sunday

	<	APRIL 2016 ▾						>
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat	
13	29	30	31	1	2	3	4	
14	5	6	7	8	9	10	11	
15	12	13	14	15	16	17	18	
16	19	20	21	22	23	24	25	
17	26	27	28	29	30	1	2	

Monday

	<	APRIL 2016 ▾						>
Week	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
13	30	31	1	2	3	4	5	
14	6	7	8	9	10	11	12	
15	13	14	15	16	17	18	19	
16	20	21	22	23	24	25	26	
17	27	28	29	30	1	2	3	

Saturday

	<	APRIL 2016 ▾						>
Week	Sat	Sun	Mon	Tue	Wed	Thu	Fri	
13	6	7	1	2	3	4	5	
14	13	14	8	9	10	11	12	
15	20	21	15	16	17	18	19	
16	27	28	22	23	24	25	26	
17	4	5	29	30	1	2	3	



RTL (Right to Left)

NOTE

Normal state

yyyy , Week --

All Picked

✕ 2016 , Week 15

Hover state

yyyy , Week --

Picker

✕ yyyy , Week --

< ▾ أبريل 2016 >

س	ج	خ	ر	ث	ن	ح	أسبوع
6	5	4	3	2	1	31	13
13	12	11	10	9	8	7	14
20	19	18	17	16	15	14	15
27	26	25	24	23	22	21	16
4	3	2	1	30	29	28	17

✕ yyyy , Week --

▲ أبريل 2016

^

2013يناير

^

2014

فبراير

2015

مارس

2016

أبريل

2017

مايو

2018

يونيو

2019

يوليو

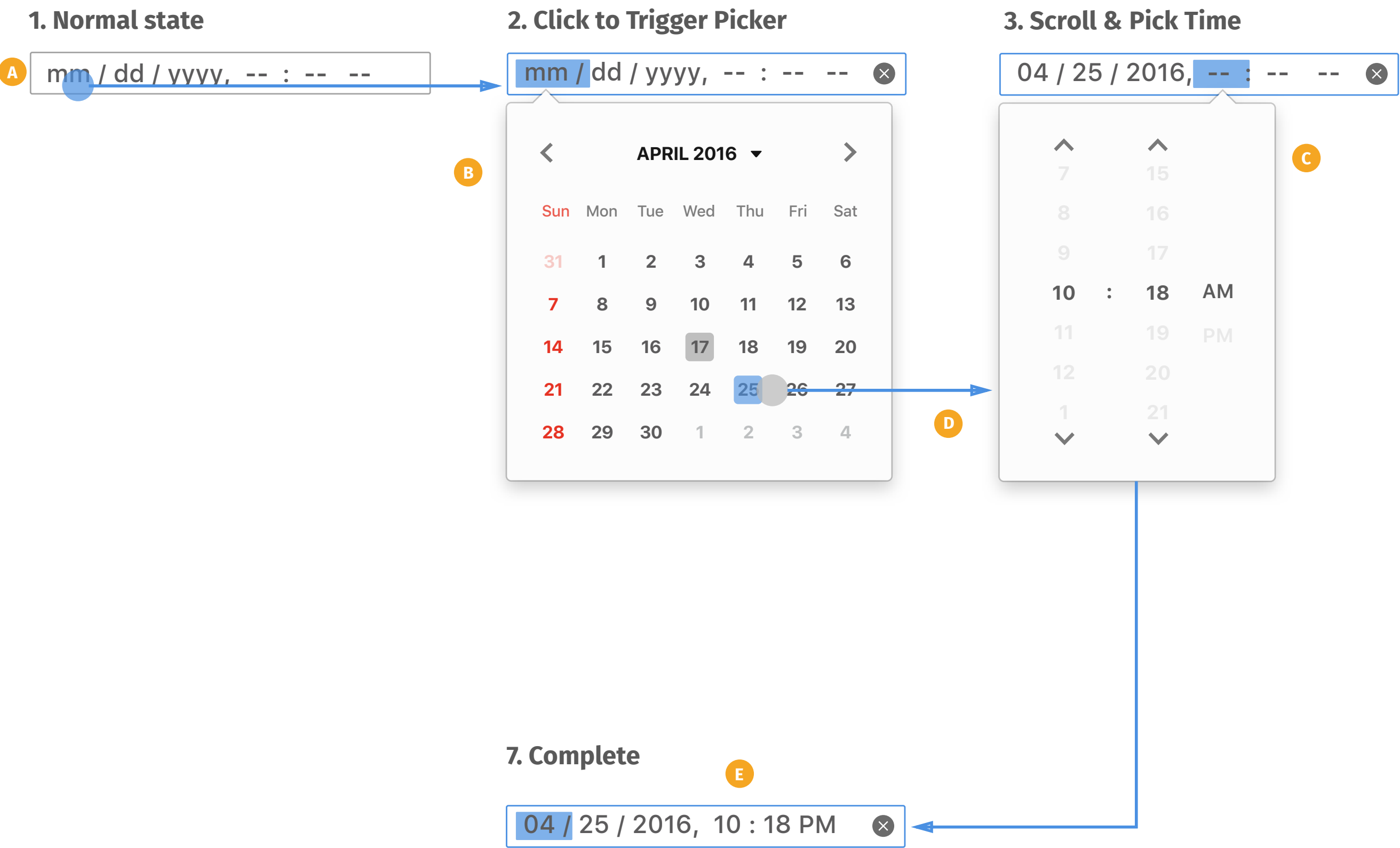
∨

∨



DateTime-Local

Basic Working Flow



NOTE

- A** Default input field displays mm/dd/yyyy, -- : -- --, and vary according to date and time picker.
- B** Follow the mechanism of date picker.
- C** Follow the mechanism of time picker.
- D** Whenever user finishes date picker, it will automatically trigger time picker for user, and vice versa.
- E** Whenever user finishes selecting or tap outside of the picker, time picker collapses and save the value to input box. The highlight

