

Interaction concept for date picker

This document serves as the design concept or a UI design pattern for a “date picker”, the purpose of this element is to prevent user errors and allow users to pick a date for a hotel reservation or a round trip for example.

Requirements

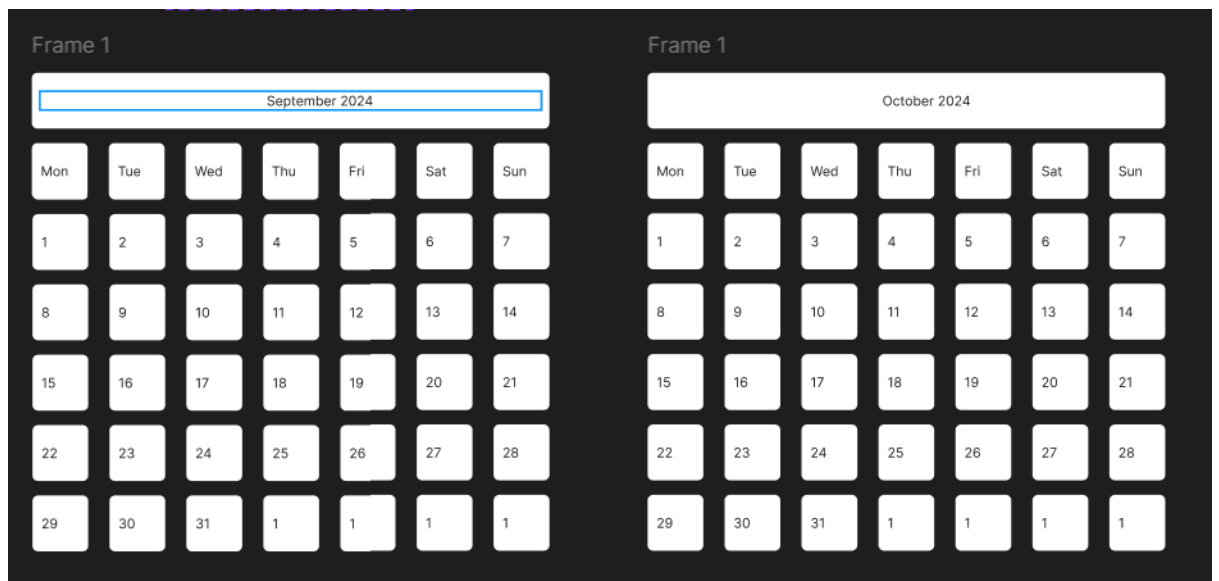
- Only allow users to pick a start date that is the current date at the earliest.
- Only allow users to pick an end date that is one day after the start date at earliest.
- No maximum time.

Interactive elements

- There should be a button that opens the date picker element, since it will probably be embedded with other data input elements on a web page.
- After opening the element there should be two calendar input elements, set to the current month by default.
 - o Same size, the one on the left should have a text title ‘starting date’ and the one on the right should have a text title ‘ending date’.
- The element doesn’t need a ‘submit’ or ‘close’ -button, as long as the user choice is displayed after and doesn’t disappear.

Error prevention

- A JavaScript event handler attached to the left -side calendar menu makes sure that the earliest option to be picked by the user in the calendar menu is the current date
- A JavaScript event handler attached to the right-side calendar menu makes sure that the end date cannot be picked before the start date by automatically adjusting the range of values displayed in the calendar menu



The UI element should look roughly like this, with incorrect options not highlighted when hovered over