

Christopher Scott

Tutorial Proposal

## Calendar View

### Functionality:

My Calendar View component is a visualization tool for date associated data. The component provides two methods for viewing the data: by week or by day. In the initial state a calendar for the month is displayed, where each day is a clickable element. To display a view of a week the user can click a button that expands the row of days, revealing the content. If a user clicks on a particular day, a view of the content appears in an element to the right of the calendar. One goal I have for this component is for the spotlight to offer more detailed information associated with the date, while the week view has identifying information along the lines of titles or event names. Based on this design the component will need to respond to click events on a day or the week expansion buttons. I intend for the week view and the day view to be mutually exclusive so that activating a day view will close the week view and vice versa.

In addition to the JS code necessary to handle the two different views there will be a significant amount of code required to programmatically build the calendar and associate data with each day. I plan to use an HTML table with data cells for each day, and content will be injected into the cells based on the corresponding date. Programmatically building the calendar will require deriving the weekday on the first of the month, adding dummy cells to pad the first week, and adding the control elements in the right places.

### Links:

[How To Make a Calendar using CSS](#)

[How To Create an Accordion](#)