

John Murray

Tutorial Proposal - Modal Date Picker

I am proposing to design a reusable component that creates a customizable modal date picker. When a button is pressed, the modal will appear, containing a calendar within. The user can select a date from the calendar to input into a form.

The modal and calendar sample code was used from w3schools.

Modal: https://www.w3schools.com/howto/howto_css_modals.asp (Links to an external site.)

Calendar: https://www.w3schools.com/howto/howto_css_calendar.asp

When creating an instance of this component, you will be able to pass some CSS to style it. This allows the component to be flexible to the design of the web app it is being used in.

JavaScript date handling functions will be used to figure out how to properly align the days and display the correct number of days, month and year. `getMonth()` and `getFullYear()` will be called to display the current month and year, as well as determine the number of days in the month. `getDay()` and `getDate()` will be called to align the days with the week days and initially highlight the current date.

There will be some JavaScript event handling needed for this component. The date picker must visually display the date that is currently selected. There will be a confirmation button that the user can press when the desired date is selected. This will return the selected date. The left and right buttons next to the month name will allow the user to select from different months, changing the content that is displayed within the calendar. The only event handling that is implemented for the proposal is being able to display and hide the modal date picker.