

## Event Calendar

For my tutorial, I am proposing an “Event Calendar”. The Event Calendar is made up of two major parts. The first major part is the Calendar and the second major part is the Event Submission Form.

My website, Quads PA, acts as a resource for information about Pennsylvania skate parks, specifically curated for quad skaters. The Event Calendar allows users to look up events at Pennsylvania skate parks as well as submit their own events for others to attend.

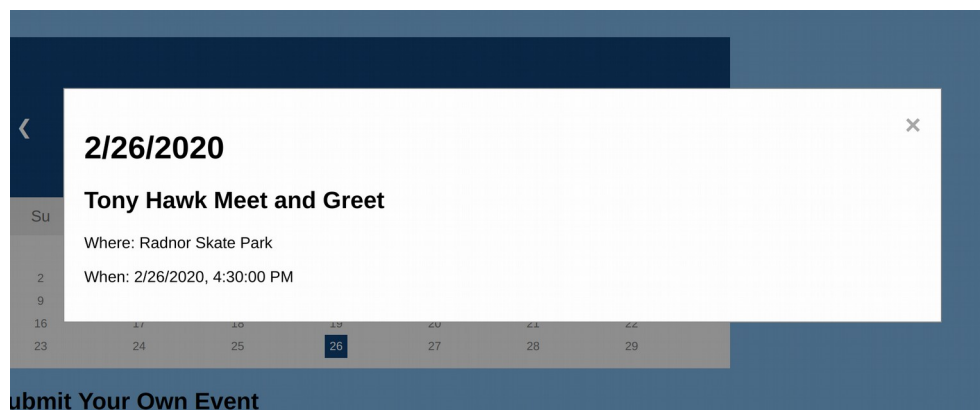
### Part 1: The Calendar

JANUARY 2020						
Su	Mo	Tu	We	Th	Fr	Sa
			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	31	

FEBRUARY 2020						
Su	Mo	Tu	We	Th	Fr	Sa
						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

DECEMBER 2019						
Su	Mo	Tu	We	Th	Fr	Sa
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	31				

The Calendar displays the dates of any given month. Users may click on the left and right arrows in order to change which month they are viewing. If there are one or more events during any given month, the date of the event will be highlighted in blue. Users may click on the highlighted date and a popup will display the event on that given date.



## Part 2: The Event Submission Form



**Submit Your Own Event**

Event Name

Event Name

Park

Radnor Skate Park ▼

Date

mm/dd/yyyy

Time

--:--:--

Submit

Below the Calendar is the Event Submission Form. Users can fill-in and submit the form to add new events to the Calendar. The user must type in an event name, pick a skate park from the skate parks from Quad PA’s database, a date, and a time for their event. Once they click “Submit”, the event will be added to the Calendar for other users to see.

### JavaScript Event Handling

This component depends heavily on event handling through JavaScript. When a user chooses to look at a different month, the component utilizes JavaScript’s Date class to generate a new calendar to replace the old one. It also uses AJAX to read *events.json*, which tells the Calendar which dates to highlight.

When users click on highlighted events, a new modal is generated with JavaScript and that modal displays relevant information fetched from *events.json*. This modal uses *DisplayEvent.js*, which generates a String that contains the name of any given event, when the event is, and where it is.

The Event Submission Form also uses AJAX. It reads from *parks.json* so that users may choose a park from Quad PA’s database when creating a new event.

### Component Inspiration / Resources

The Calendar is inspired by the “CSS Calendar”:

[https://www.w3schools.com/howto/howto\\_css\\_calendar.asp](https://www.w3schools.com/howto/howto_css_calendar.asp)

The Event Submission Form is inspired by the “Contact Form”:

[https://www.w3schools.com/howto/howto\\_css\\_contact\\_form.asp](https://www.w3schools.com/howto/howto_css_contact_form.asp)

The Modal is inspired by the “CSS/JS Modal”:

[https://www.w3schools.com/howto/howto\\_css\\_modals.asp](https://www.w3schools.com/howto/howto_css_modals.asp)