**Functionality -**

The app is an advanced calendar with many features suggested by Professor Virtanen in the final project grading rubric. A user is able to click on a table entry, which causes an event creation dialog box to pop up with inputs relating to the table entry already filled out: name, date, start time, and end time. A user can insert an event title and event details in the remaining blank inputs. This dialog box has document cookie interaction, in the sense that the user is able to save his/her event inputs, and load his/her last saved event inputs. The user is also able to clear the form and start fresh. If the user hits the "X" button, the event creation dialog box will close and the user may pick another table entry. If the user hits the "Create Event" button, the event will pop up in a calendar dialog box at the table location associated with the name, date, start time and end time inputted. The box will begin at the start time and end at the end time. The event details will be listed in the white area of the calendar dialog box. If the user clicks on this area the dialog box will expand and the user can read the event details more conveniently. The user can permanently delete the calendar dialog box by hitting the "X" button. The user can navigate to different date times by using the "Previous Twelve Hours", "Today", and "Next Twelve Hours" buttons.

**Grade That I Hope To Receive - A grade**

The app satisfies all the basic requirements: it has an external CSS stylesheet and looks pleasing, incorporate cookies, uses a lot of JavaScript, utilizes events (e.g. onclick table entries and dialog box resizing), and uses DOM in a significant way (e.g. gather form data and create dialog boxes). In terms of the A grade requirements, all the page content updates, aside from navigating to different date times, are done through Ajax: there are 3 separate PHP files to handle Ajax insertions to, deletions of elements in, and retrievals (when loading a page of events) from the SQLite3 database. All of these actions utilize timestamps. In terms of added effort, extensive jQuery was used to handle the dialog boxes on the page (e.g. creation, deletion, animation, positioning).

**Areas of Improvement -**

* + The dialog boxes stack in an obtrusive way. If the user puts in an event with a time frame exactly the same, or overlapping with that of a preexisting event, you will not be able to see some or all of the preexisting event.
  + If you extend the calendar over about 3-4 hours, you can see a slight gap start to form at the bottom (i.e. the event will not reach the ending hour). This is most likely a floating point error.

**Bugs -**

* If you set the end time to a time in the next 12 hours, it extends beyond the table.