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# Project Once Upon a Time

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**This project uses three APIs to provide historical data based on any month day pair. Sunlight data and historical facts are provided for the user based on the month and day they choose.**

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# Concept

- Motivated by desire to find out information on sunlight and historical data by date
  - When user wants to know historical facts and sunrise/sunset information for a particular date
  - Then user enters date by month/day and zip code for location
  - Then sunrise/sunset data are fetched by location and historical facts by date are displayed to user
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# Process

- Technologies: Javascript, JSON, HTML, CSS, Bootstrap, RESTApis
  - Work: Each team member worked on getting one of the APIs to work, then the tasks were divided by API for the JavaScript and styling. The results were merged via GitHub and user testing was done with iterative fixes.
  - Challenge: The biggest challenge was in getting the APIs to function as needed and in formatting the results.
  - Another was in the limitations of the API support and consistency with results
  - Teamwork was our major success
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# Demo

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# Directions for Future Development

There are a couple of bug fixes in formatting and efficiency that could be undertaken, in particular string functions and handling Daylight Savings Time

Styling and responsiveness could be improved

Adding historical birthdays and client side storage to retain facts are next steps

Future aspiration is to set system alarms based on the sunrise and sunset times

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# Links

- <https://coleheintzman.github.io/Bang-the-Drum/>
  - <https://github.com/ColeHeintzman/Bang-the-Drum>
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