The Challenge

Construct a horizontal timeline component for rendering human lifetimes and information about those people. It should accept json data like this:
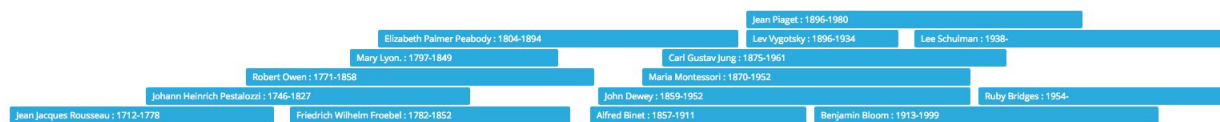
```
{
  name: string,
  birth: number,
  death: number,
  summary: string
}
[
  {"name": "Maria Montessori", "birth": 1870, "death": 1952,
"summary": "Known for her philosophy of education called the Montessori method, it is
still used in some public and private schools throughout the world"},
…
]
```

We've prepared a sample data set that has important educational theorists:
https://gist.github.com/benshine/392d95f7cb0f8e299599
Feel free to copy it into your code; no need to load from github every time. A death of -1 means that they are still alive. (Optional: suggest a better way to represent people who are still alive.)

Style it to look something like the following -- or better. The bars on the timeline should have the name of the person, their birth year and death year (if applicable).

Features

- Overlapping dates should render on separate lanes.
- The component should make efficient use of the lanes, using only as many as is needed.
- Provide a way to add and remove events.
- Plan to accommodate up to 50 education superstars.
- A README telling us how to run your code. We have vanilla modern macs with recent node, python, and ruby, but we probably don't know how to use your favorite package manager or build tool.
- An explanation of your design decisions
- Reference "Timeline Challenge 1.0.2" in your README

Extras

Please complete any of the following if time permits (in no particular order):
- Show summary of that person's contribution on mouseover.
- Data persistence. A backend service, localstorage, an online database, it's up to you.
- Zoom: allow the user to zoom into the currently selected event.
- Non-contiguous time. Make efficient use of horizontal space by hiding large time spans with no events.
- Super sweet UX. Whatever makes navigating adding or editing events delightful to you.
- Deploy your software somewhere with a hard-to-guess URL.

Guidelines

Please do not use any existing charting or timeline libraries. If you use code generators or framework boilerplates, please mention them in your solution. Make it clear which code is or isn't yours if it isn't super obvious.

Please do not post your solution publicly. We want other folks to have just as much fun as you did! If you use github, please make a *private* repository and add benshine as a collaborator to facilitate review. Send us a zip with all of your source code, but leave out any compilation products, temp files, or logs.

If you have any questions, feel free to reach out. We can't wait to see what you build!

Sincerely,

The AltSchool Engineering Team