Calendar Component

Microfrontends is a very popular design pattern nowadays that helps to deal with complexity in building web applications in big organizations. Splitting functionality into separate independent applications or separate pieces of the applications hosted independently helps teams to move quickly without strong dependencies but this approach might have negative consequences for look and feel of the complete solution comprised of those microfrontends.

As an engineer you realize that there is an opportunity to help bring all of the user experience together and be more aligned by providing a **shared React components library**.

Please start such shared library and implement the first of the shared components - **<CalendarComponent>**.

This sort of calendar is planned to be used when presenting distribution of different events taking place on different days (the colored dot). The color of the dot should be configurable (for now in the design we see that there is green, orange and red, representing different statuses of the event, but it is possible that list of statuses would be different in different UIs using this component.

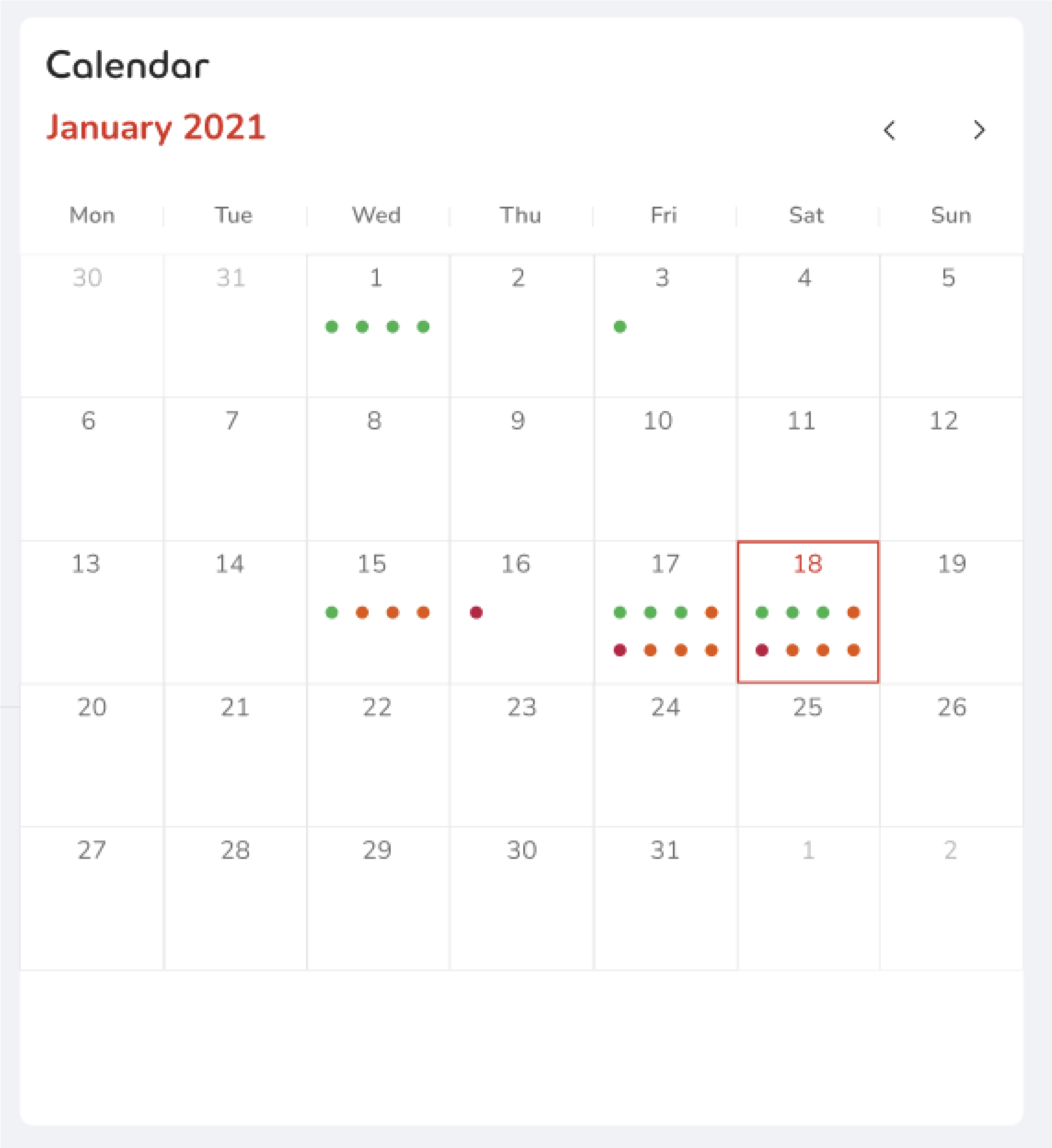
<CalendarComponent> - requirements:

- needs to take in the list of events to display;
- take into account what is needed to allow such component to be used in by other teams (all the needed props, callbacks, documentation/comments/meta);
- the solution should be complete and documented to a point that **an engineer on our side should easily be able to try it out and it should "work on his machine too"** (components dependencies and all…);

<CalendarComponent> - tips:

- functionalities implemented to a point where it is possible to **demonstrate them**;
- you should feel free to reuse **any open source** software as long as it has a license that allows reuse, if it will help you to achieve a working solution matching the UX design faster;
- try to think and **demonstrate your skills** as if this was really production code, so maybe 100% code test coverage is not required, but **having some tests would demonstrate that you are able** to test the code you write.

When you are done, simply zip up the whole solution and send it back to us.



Calendar

January 2021

Mon	Tue	Wed	Thu	Fri	Sat	Sun
30	31	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	1	2