

Front-End Developer Task

Create a personal calendar application using HTML5, JavaScript and CSS without using any third party libraries or frameworks.

Read through everything before starting any work.

Requirements

- Event properties
 - **Title** (string, required, max length 50)
 - **Date** (date, required)
 - **Start time** (time, required)
 - **End time** (time, required, has to be later than Start time)
 - **Type** (dropdown, required, values: ['Meeting', 'Call', 'Out of office'])
 - **Description** (string, optional)
- Possibility to add a new event
- Possibility to delete an event
 - Show confirmation popup
- Layout
 - Month view should be on the left side and take ~ $\frac{2}{3}$ of the screen
 - Create/Details view should be on the right and visible only when required
- Month view
 - Displays days for current month
 - Has week day labels at the top
 - Week starts on monday
 - Each day displays events for that day
 - Show title
 - Color code by event type
 - Clicking on event displays details for it in Details view
- Create view
 - Display all fields related to event with required validations and validation messages
- Details view
 - Read only fields related to event
 - Delete button for deleting event
- Prefill sessionStorage with some test data (only when sessionStorage is empty)

Bonus

- Adaptive or responsive layout
- Unit tests

Tips

- You can use a lot of native HTML components and functionality
- Use <https://developer.mozilla.org/> for function references
- Do not forget to keep sessionStorage updated
- You can store additional information in sessionStorage
- Check that validations actually work and think about edge cases
- We are going to test on Chrome browser - only check supported functionality for it

We are looking for an app that meets all of the above criteria as well as present users with a simple and intuitive UI. Clean and easy-to-understand code will play a major part in our scoring.

Push finished code to a git repository and share the link with us.

FAQ

Q: Can I use React/Angular/Vue.js?

A: No. No libraries or frameworks are allowed.

Q: How about Bootstrap?

A: Still no.

Q: How about Fontawesome?

A: You can manage without using it.

Q: So I have to write everything myself?

A: Yes. That is the point of this task.

Q: How long should it take?

A: 4-6 hours. Do not spend more than that.

Q: I still have other questions about implementation.

A: Implement as you understand requirements. Write clean, structured and readable code and you are going to be fine.