

Front End Test

The challenges are broken into two groups - functional programming challenges and UI component challenges.

Meeting Availability Problem

The goal is to find available time ranges within a schedule of events.

The schedule is an array of events, which contain a `start` and `end` field.

You have to use provided data [event.json](#)

```
const events = [
  {
    "start": "Wed, 03 Mar 2021 04:00:15 GMT",
    "end": "Wed, 03 Mar 2021 05:00:15 GMT",
  },
  {
    "start": "Wed, 03 Mar 2021 06:00:15 GMT",
    "end": "Wed, 03 Mar 2021 06:30:15 GMT"
  }
];

const start = moment('Wed, 03 Mar 2021 05:00:15 GMT');
const end = moment('Wed, 03 Mar 2021 05:30:15 GMT');

const AvailableSlots = findAvailableTimes(start, end, 30, events);
/**
 * Outputs
 * [
 *   {
 *     "start": "Wed, 03 Mar 2021 05:00:15 GMT",
 *     "end": "Wed, 03 Mar 2021 05:30:15 GMT"
 *   },
 *   {
 *     "start": "Wed, 03 Mar 2021 05:30:15 GMT",
 *     "end": "Wed, 03 Mar 2021 06:00:00 GMT"
 *   }
 * ]
```

Following UI needs to be build -

The UI design shows a form titled "FIND A FREE TIME". It contains three input fields: "Date" with a calendar icon, "Start Time" with a clock icon, and "Duration". Below the form is a horizontal timeline bar. The bar is divided into segments: a grey segment from 9:30AM to 10:30AM, a green segment from 10:30AM to 11:30AM, and a grey segment from 11:30AM onwards. A legend below the bar indicates that grey represents "Busy" and green represents "Free".

FIND A FREE TIME

Date * FEB , 02 , 2021

Start Time * 10:30 am

Duration * 30 min

9:30AM 10:30 AM 11:30AM

Busy Free

Design available at [link](#).

Stack

1. CSS (styled-components, CSS modules, or plain CSS/SASS/LESS).
2. HTML5 , Javascript
3. It is not mandatory to use a framework, but we recommend Angular or React js.

What will be evaluated

1. Code organization and readability (including comments).
2. Clean and clear HTML.
3. Knowledge of JS.
4. Creativity and Code clarity.

Submission

1. you can share the zip file using google drive with the instruction how to use it.
2. If you are familiar with a version control system then deliver the test using Github or Bitbucket private repository.

Bonus point

1. If provided calendar based event timeline UI.

if something is not clear to you, or if you have doubts on what you can use, reach the devs

Happy Coding!