

# Test technique bsport

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## Focus : FrontEnd

### Why ?

The current test is a non-elimatory technical test used to evaluate your competencies but is mostly designed to give a pattern to the techical interview.

### The goal

The goal is to build a calendar in ReactJS using our "production like" API (Staging API completely iso to production).

### Scope

The API is RESTful and must be used as the "company" 6 using the following header:

```
Authorization: Token f18688960a8942c83d238b04e88389ac126bf55c
```

You can use the query param ?company=6 (cf swagger).

- Displaying images / levels / teachers (coaches) and locations is required.
- Displaying bookings (at least the name of the attendee) must be possible (pop-up, drawer, tab, on hover and/or on click ?)
- The design (UI & UX) is completely up to you and will not be taken into account.

### Constraints

The code base must be in ReactJS, we highly recommend the use of [create-react-app](#) (here) to bootstrap quickly and easily a ready-to-be-used architecture.

You can use any librairies and state management tools you want (state react, redux or others...)

### Data

The Bsport staging **API** allows you to collect offers, activities, coaches, establishments et any other related objects that seem relevant to you. All of them are "dummy data" (meaning that staging is a testing environment).

### Naming :

- offer : A class (Combination of a date / an activity / a coach / an establishment)
- activity : To be ignored (legacy)
- meta\_activity : The real activity (ex: Ashtanga Yoga, Box, Crossfit...)
- member : A user linked to a company

- company : A sport studio (B2B client) using Bsport Solutions
- coach : The teacher
- establishment : Location where an offer takes place.

The API is sending back to you only basic information about the offer. If you wish to access more information inherent to an offer (the ones described above) you must use other endpoints of the API since the API representation of an offer only contains the IDs of the related objects.

The API documentation is available [here](#) (⚠ it's exhaustive), it details all the possible query params to be passed to each endpoint and gives you the possibility to build manually in the browser some requests («Try it out» button)

The base endpoint to start with would be :

- GET offer → `/api/v1/offer/?company=6&max_date=...` available on `https://api.staging.bsport.io`

Some additionnal points:

- Only offers related to the « company » (club de sport) ID == 6 must be displayed
- API pagination must be used (`page_size=N`) or at least a date filter (`min_date` & `max_date`), otherwise you'll be fetching thousands of objects causing your web browser to crash. Date filtering format is the following one : `YYYY-MM-DD` (ex: 2022-09-03)
- **better code is less code** : We would prefer a generic, clean and well structured code listing the offers rather than a messy code base, hard to read displaying a calendar.
- A clean and readable data management is important