

OVEN Frontend Test Task

This test is to check some simple engineering skills, and resembles real tasks from our daily routine.

Please take note that the task shouldn't take more than 30-60 minutes to complete. If it takes longer, please stop coding and submit the results to us with an explanation following the guideline below.

We expect that the task will be finished, but we value your time and will be glad to see what you can do in a small timeframe.

We are looking for problem-solving skills and engineering minds, and want to see your thought process and approach.

Please push the code to your github/gitlab or somewhere and send us the link that we can access to review your codes.

Thank you, and we hope you will enjoy coding this little exercise.

Guideline

Please be sure that the results include the following:

- Read the description carefully when you start to test
- How much time it took to complete or before stopping
- Your feelings about the test
- What the lacking in the task definition
- Is the solution complete or not? Is the solution optimized or is it via brute force?
- Be sure that your code is readable and well commented or that the naming is semantic

P.S. We're not expecting that you will provide us with a 10 page document. The information can be short. You will discuss the results with an interviewer during the interview.

Types

```
````typescript
// internal data types
type ShoppingItemType = {
 title: string
 price: number
 currency: string
 date: string
}
```

```
interface INodeElement {
 firstName: string
 lastName: string
 age: number
 birthDate: string
}
```

```

 shoppingItemsList?: ShopingItemType[]
}

type Chat = {
 title: string
 nodesList: INodeElement[]
}

// external data types
type Timestamp = {
 seconds: number
 nanos: number
}

type ExtShopingItemType = {
 Title: string
 Price: number
 Currency: string
 Date: Timestamp
}

interface IExtNodeElement {
 FirstName: string
 LastName: string
 Age: number
 BirthDate: Timestamp
 ShoppingItems: ExtShopingItemType[]
}

type ExtChat = {
 Title: string
 ChatItems: IExtNodeElement[]
}
...

```

### The task

Sometimes we experience a mismatch in data types between different components. We need a converter that will represent the provided data as expected.

Create a converter that gets data with internal types and returns data with external types.

\*Optional: please, prepare a mock function that will generate the test data that will be used for testing purposes.\*

Please, follow the steps:

1. Read the whole doc
2. Review the types added above
3. Do the coding using TypeScript

4. Please add your comments into README.md file
5. Profit!!!