Senior Frontend

:≡ Tags

Hi there 😁



Thanks for throwing your hat in the ring for our Frontend Engineer opening 🙇



As part of our interview process, we've prepared a little homework for you. Don't worry, it's nothing too crazy or serious, just a fun challenge and a way for us to get a better sense of your skills, how you approach problem-solving and see how you think on your feet.

About the task 🥊



This homework should not take you more than 30-60 minutes. Once an hour pass, stop coding, drop everything and submit what you have in front of you along with your answers to the questions below

- How much time it took to complete
- Your overall thoughts on the excerice
- Identify what is lacking in the task definition
- Whether the solution is complete? Whether it is optimized or solved through brute force?
- Be sure that your code is readable and well commented or that the naming is semantic

We're not expecting a novel or a 10-pages essay, just a short explanation will do, we'll talk about the results more in-depth during the next round

Are you ready? 💪 Go! 🏁





```typescript // internal data types type ShopingItemType = { title: string price: number

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```
currency: string
 date: string
}
interface INodeElement {
 firsName: 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 {
 FirsName: string
 LastName: string
 Age: number
 BirthDate: Timestamp
 ShoppingItems: ExtShopingItemType[]
}
type ExtChat = {
 Title: string
 ChatItems: IExtNodeElement[]
}
```

#### ### The task

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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. Code with TypeScript
- 4. ???
- 5. Profit!!!

FS. This little exercise resembles a real tasks from our dally routine—so hopefully it gives you a glimpse to our our day-to-day here at Zeals

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