

DoCheck Test Candidate ME / FE

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First Question

```
const passengerList = [  
  {  
    "id": "KJSD93",  
    "name": "Maria Anders",  
    "age": 20,  
  },  
  {  
    "id": "KJSD94",  
    "name": "Francisco Chang",  
    "age": 35,  
  },  
  {  
    "id": "KJSD95",  
    "name": "Anna Angelo",  
    "age": 28,  
  }  
]
```

Here is the list of a passenger on the bus. With the source of the data, the candidate must create a table like that using react. Your code will be reviewed with our Tech Lead, so keep your code clean and give the minimal solution if you can. You must be using **map()** function to loop that data. If you try with a hard code we will reject your assessment.

ID	Name	Age
KJSD93	Maria Anders	20
KJSD94	Francisco Chang	35
KJSD95	Anna Angelo	28

Second Question

Given that candidate must update this React component to use React Context pattern. Convert these passing **props driven** to **context driven**. Your code will be reviewed with our Tech Lead, so keep your code clean and give the minimal solution if you can. You can use the same project that you created before, with the question first questions

```
// main.tsx

/**
 * @author PT Docheck Bagi Indonesia
 * @copyright © All rights reserved. DoCheck 2022
 */

import Item from "./item";

function Main() {
  return (
    <div id="main">
      <Item name="Bread" qty={20} price={"$3" as string} />
    </div>
  );
}

export default Main;
```

```
// item.tsx

/**
 * @author PT Docheck Bagi Indonesia
 * @copyright © All rights reserved. DoCheck 2022
 */

import { useEffect } from "react";

interface ItemProps {
  name: string;
  qty: number;
  price: number | string;
}
```

```
function Item(props: ItemProps) {
  useEffect(() => console.log("data", props), []);

  return (
    <div className="item">
      <span>Hello World</span>
    </div>
  );
}

export default Item;
```

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Third Question

Candidate must create a simple ToDoList that has the functionality & requirement below:

TLDR;
If
you are applying for FE, just use the web stack
Else
you apply for ME, just use RN stack

Requirement

1. Using Typescript
2. Using Redux State Management.
3. Clean Code & Clean UI (Can reference to dribbble).
4. Using **context** is a plus.
5. Using **React Hook** is a plus.
6. Permitted for using **lodash**.
7. Must be using **Higher Order Function**.

Functionality

1. Can check and uncheck tasks.
2. Can create and delete the task.
3. Can search tasks.