

STELEYE LIMITED

Frontend Engineer Assignment

Q.2

What problems / warnings are there with code?

There are a few errors in the code:

1. In the **'WrappedSingleListItem'** component, the **'onClickHandler'** prop is being called immediately when the component is rendered. Instead, you should pass a function that calls **'onClickHandler'** with the index as an argument.

Change code from this:

```
onClick={onClickHandler(index)}
```

To this:

```
onClick={() => onClickHandler(index)}
```

2. In the **'WrappedListComponent'** component, there is an error in the **'useState'** hook. The **'setSelectedIndex'** function should be the first element returned by the hook, :

```
const [selectedIndex, setSelectedIndex] = useState();
```

3. In the propTypes definition for **'WrappedListComponent'**, the **'array'** and **'shapeOf'** propTypes should be written with a capital **'A'** and **'S'**, respectively.

Change this:

```
items: PropTypes.array(PropTypes.shapeOf({
```

To this:

```
items: PropTypes.arrayOf(PropTypes.shape({
```

4. The **'items'** prop in **'WrappedListComponent'** has a default value of **'null'**. This can cause problems if the component assumes that **'items'** will always be an array. You should change the default value to an empty array, like this:

```
WrappedListComponent.defaultProps = {  
  items: [],  
};
```