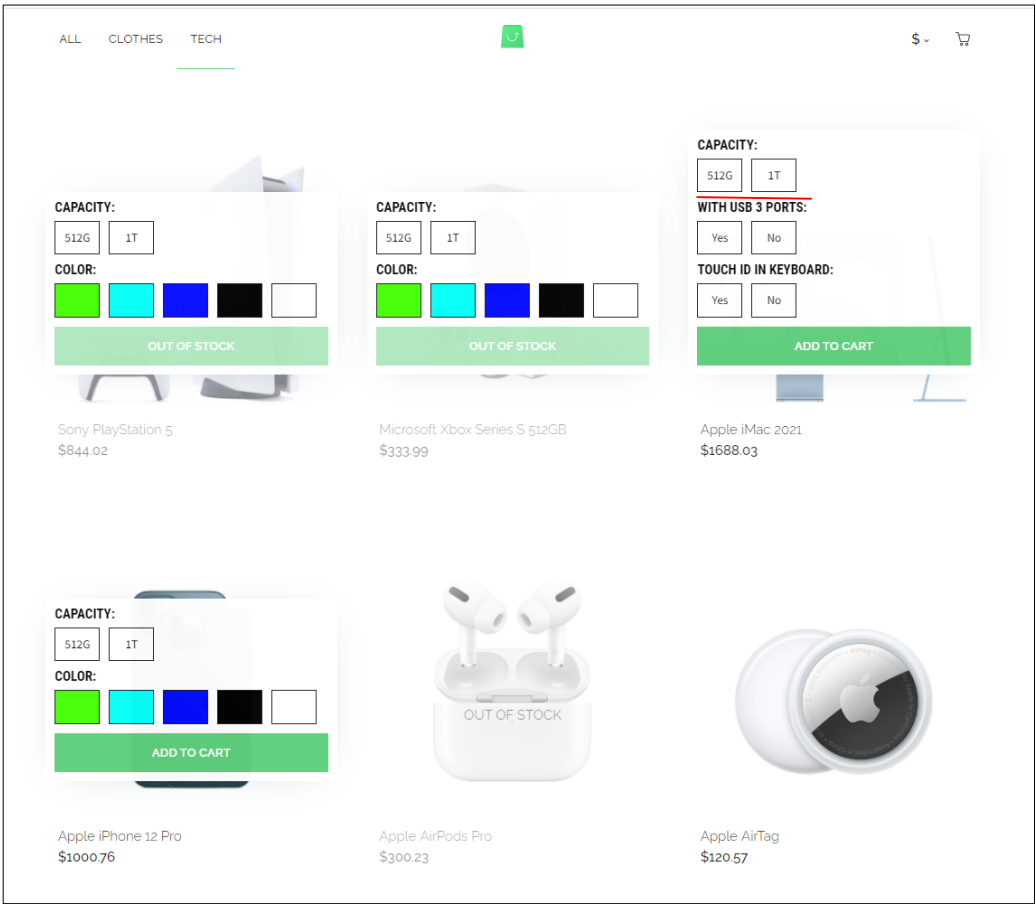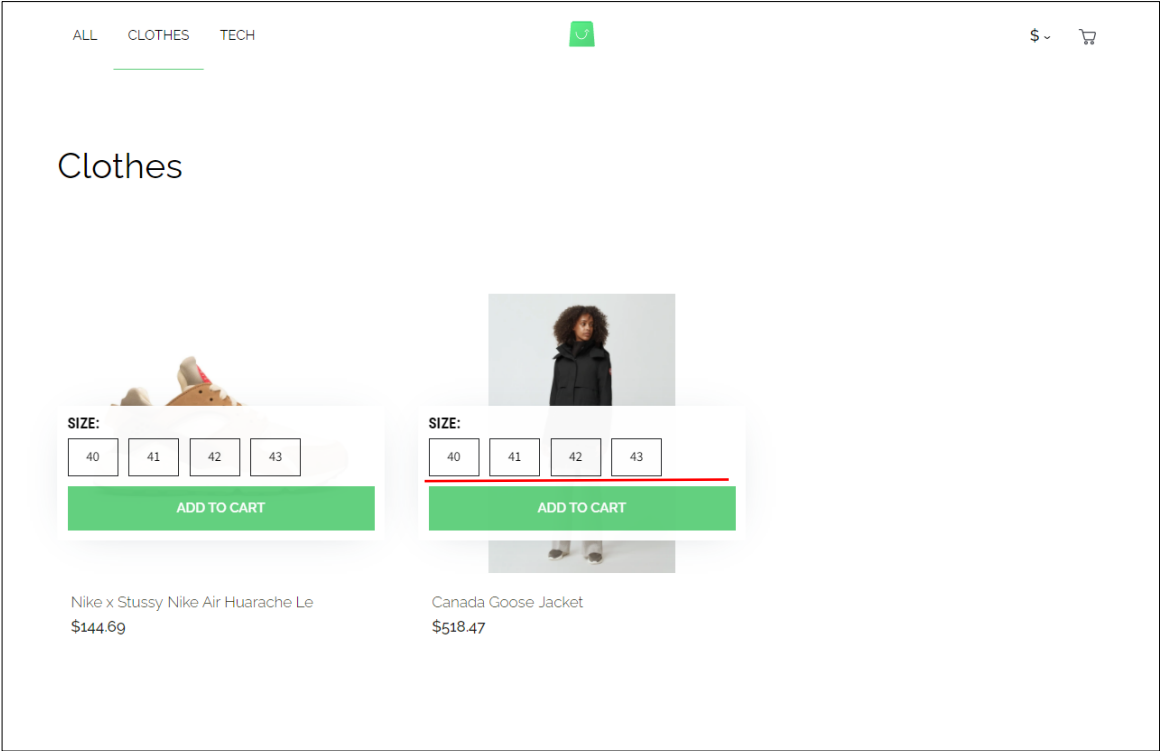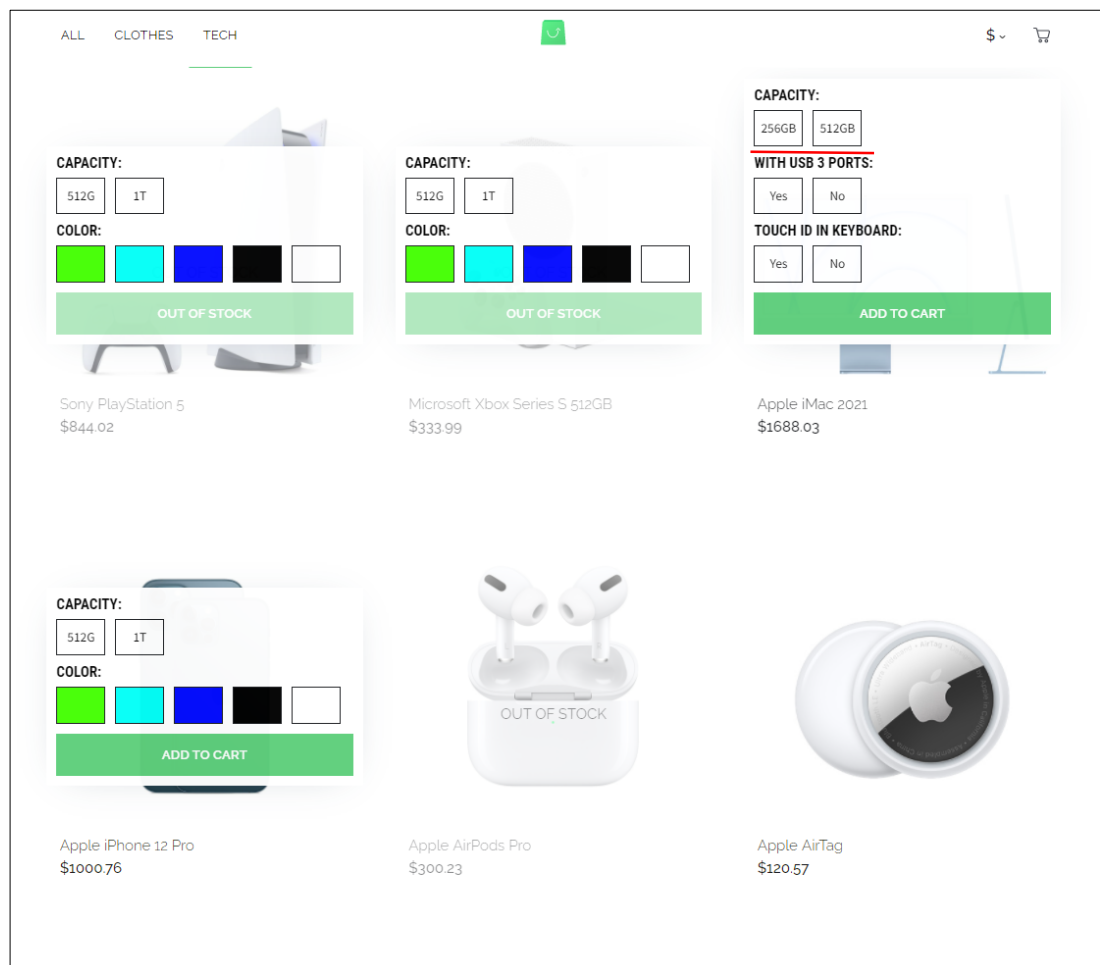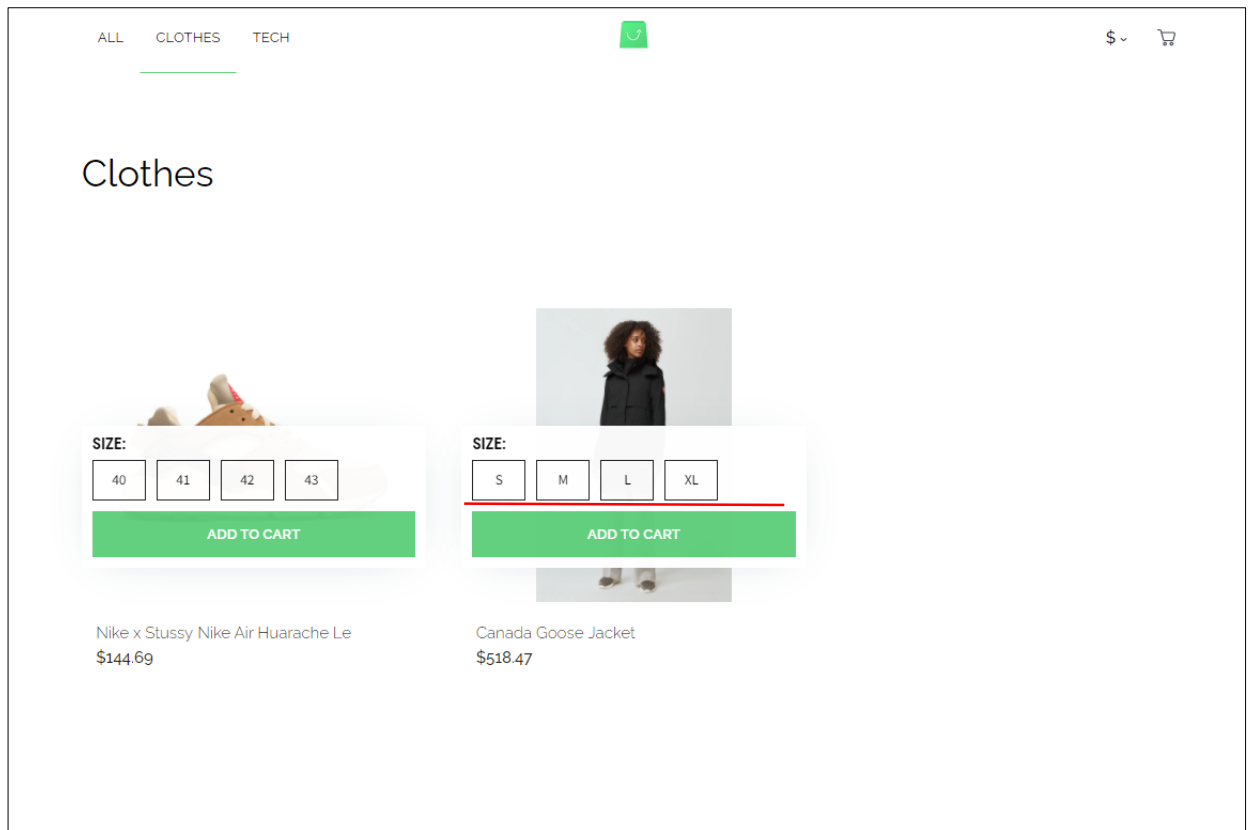While I was working on fixing the assignment, an error was found in the code of endpoint-server. But, of course, that may be the intention. However, I decided to share with you what was found.
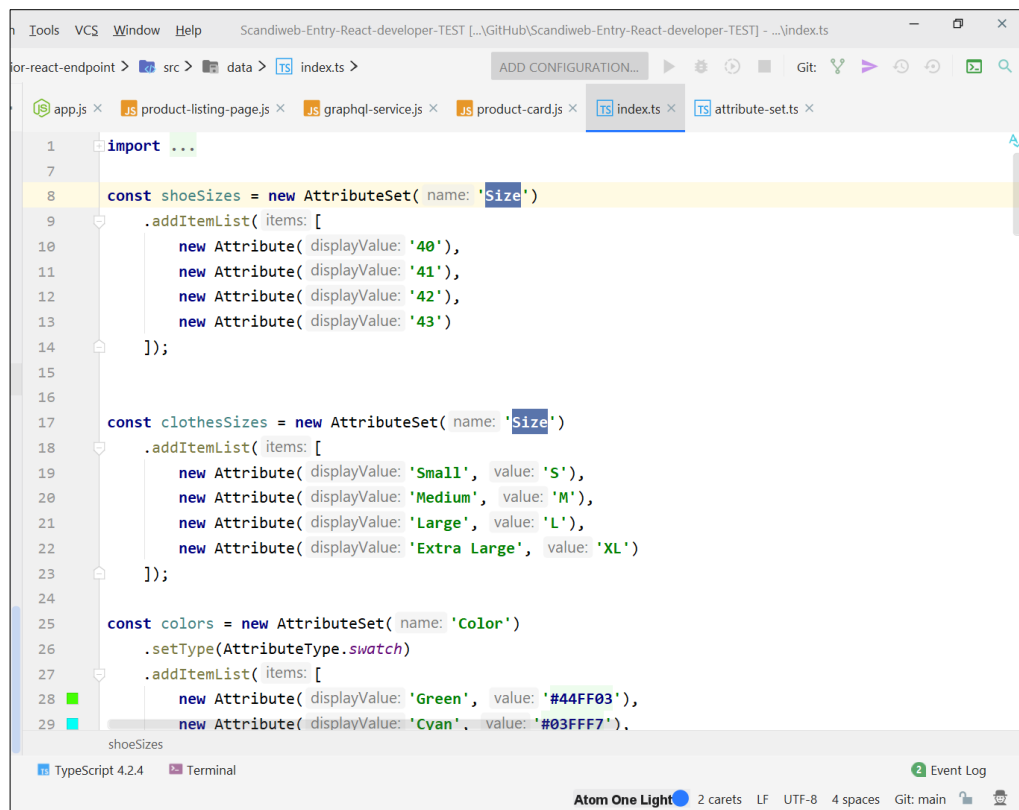
If use ApolloClient by default to get data of category products we will have such result. It's about product attributes with the same Id (name).
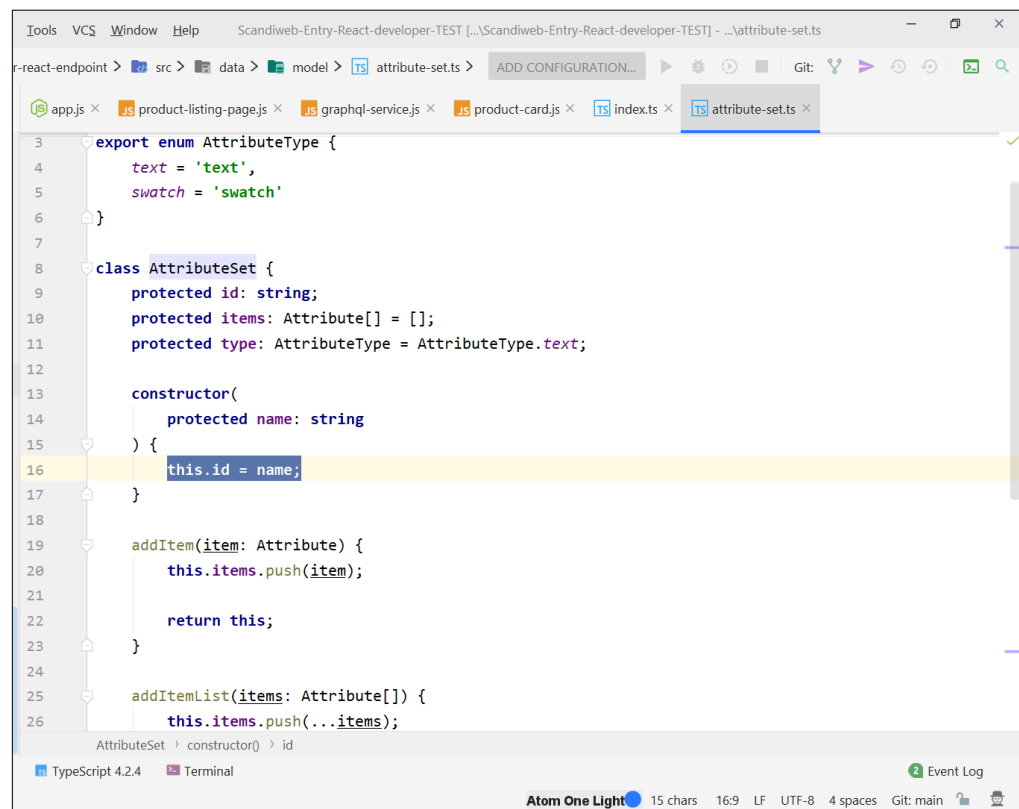
But attributes should be like this:

This happens because Apollo's algorithm for optimization saves in the cache data with the same __typename and id as the same. Despite the content.

Tools VCS Window Help   Scandiweb-Entry-React-developer-TEST [...\GitHub\Scandiweb-Entry-React-developer-TEST] - ...\index.ts   ─ ☐ ✕

ior-react-endpoint > src > data > index.ts >   ADD CONFIGURATION...   ▶ 🐞 ⊙ ■   Git: ⑂ ➤ ⟲ ⟳ ⊠ 🔍

app.js ✕   product-listing-page.js ✕   graphql-service.js ✕   product-card.js ✕   index.ts ✕   attribute-set.ts ✕

```typescript
106            .addAttributeSet(capacity)
107            .setDescription(xboxDescription)
108            .setCategory(Category.tech),
109
110        new Product( name: 'iMac 2021')
111            .setId('apple-imac-2021')
112            .setPrice(1400)
113            .setBrand('Apple')
114            .addImages( urls: [
115                'https://store.storeimages.cdn-apple.com/4982/as-images.apple.com/is/imac-24-blue-selectio
116            ])
117            .addAttributeSet(new AttributeSet( name: 'Capacity')
118                .addItem(new Attribute( displayValue: '256GB'))
119                .addItem(new Attribute( displayValue: '512GB'))
120            )
121            .setDescription('The new iMac!')
122            .addAttributeSet(new AttributeSet( name: 'With USB 3 ports').addItemList(yesNo))
123            .addAttributeSet(new AttributeSet( name: 'Touch ID in keyboard').addItemList(yesNo))
124            .setCategory(Category.tech),
125
126        new Product( name: 'iPhone 12 Pro')
127            .setId('apple-iphone-12-pro')
128            .setPrice(830)
129            .setBrand('Apple')
```

products

TS TypeScript 4.2.4   Terminal   ② Event Log

Atom One Light ● 135 chars, 2 line breaks   117:9 LF UTF-8 4 spaces Git: main

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Tools VCS Window Help   Scandiweb-Entry-React-developer-TEST [...\GitHub\Scandiweb-Entry-React-developer-TEST] - ...\index.ts   ─ ☐ ✕

ior-react-endpoint > src > data > index.ts >   ADD CONFIGURATION...   ▶ 🐞 ⊙ ■   Git: ⑂ ➤ ⟲ ⟳ ⊠ 🔍

app.js ✕   product-listing-page.js ✕   graphql-service.js ✕   product-card.js ✕   index.ts ✕   attribute-set.ts ✕

```typescript
27        .addItemList( items: [
28            new Attribute( displayValue: 'Green', value: '#44FF03'),
29            new Attribute( displayValue: 'Cyan', value: '#03FFF7'),
30            new Attribute( displayValue: 'Blue', value: '#030BFF'),
31            new Attribute( displayValue: 'Black', value: '#000000'),
32            new Attribute( displayValue: 'White', value: '#FFFFFF')
33        ]);
34
35    const yesNo = [new Attribute( displayValue: 'Yes'), new Attribute( displayValue: 'No')];
36
37    const capacity = new AttributeSet( name: 'Capacity')
38        .addItemList( items: [
39            new Attribute( displayValue: '512G'),
40            new Attribute( displayValue: '1T')
41        ]);
42
43    const products: Product[] = [
44        new Product( name: 'Nike Air Huarache Le')
45            .setId('huarache-x-stussy-le')
46            .setPrice(120)
47            .setDescription('<p>Great sneakers for everyday use!</p>')
48            .addImages( urls: [
49                'https://cdn.shopify.com/s/files/1/0087/6193/3920/products/DD1381200_DEOA_2_720x.jpg?v=161
50                'https://cdn.shopify.com/s/files/1/0087/6193/3920/products/DD1381200_DEOA_1_720x.jpg?v=161
```

TS TypeScript 4.2.4   Terminal   ② Event Log

Atom One Light ● 131 chars, 4 line breaks   37:1 LF UTF-8 4 spaces Git: main

I see 3 ways to solve the problem:

1. Rename attributes with the same names on the server.
("Size" to "Size-clothes" for clothes and "Capacity" to "Capacity-iMac" for iMac) for example.
Identifier for different data must be unique.
2. Set manually the algorithm for naming the same data in Apollo properties to cache them.
3. Disable cache usage.

I chose the third option, although the first would be the most optimal. Because the second is probably not appropriate here. I think.