Organizing a Vuex Store With Modules

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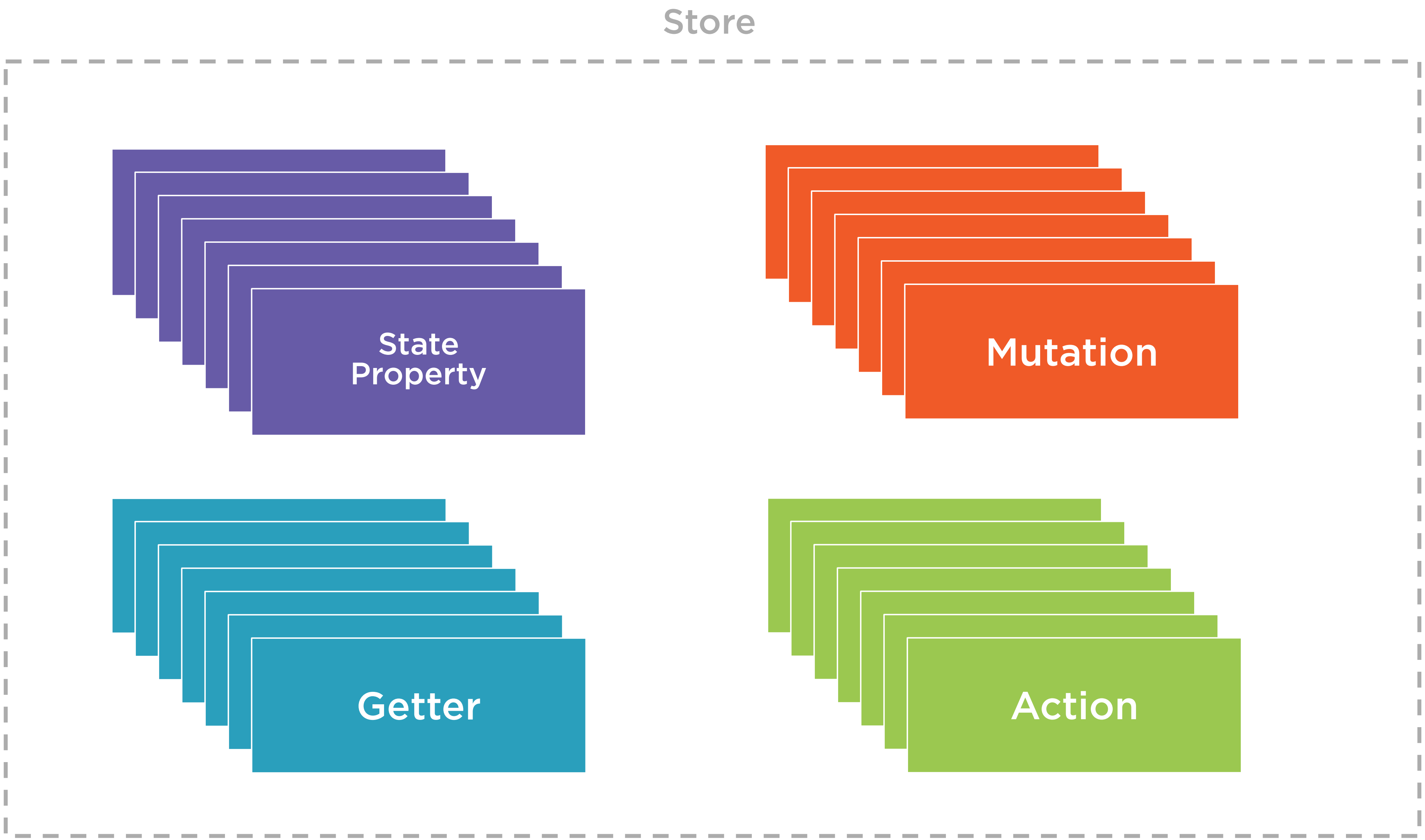
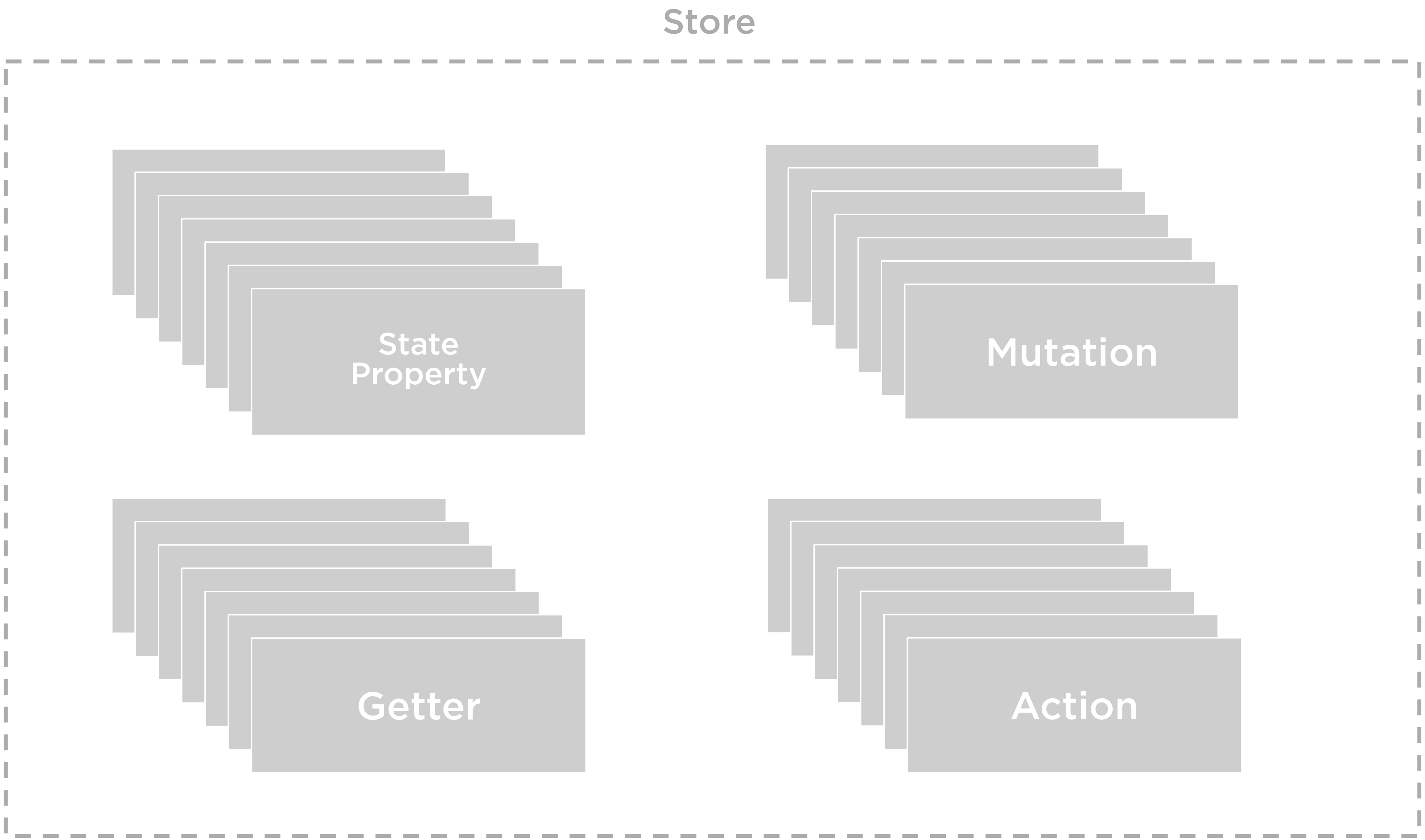

Store
State Property
Mutation
Getter
Action

What are Vuex Modules?


Store
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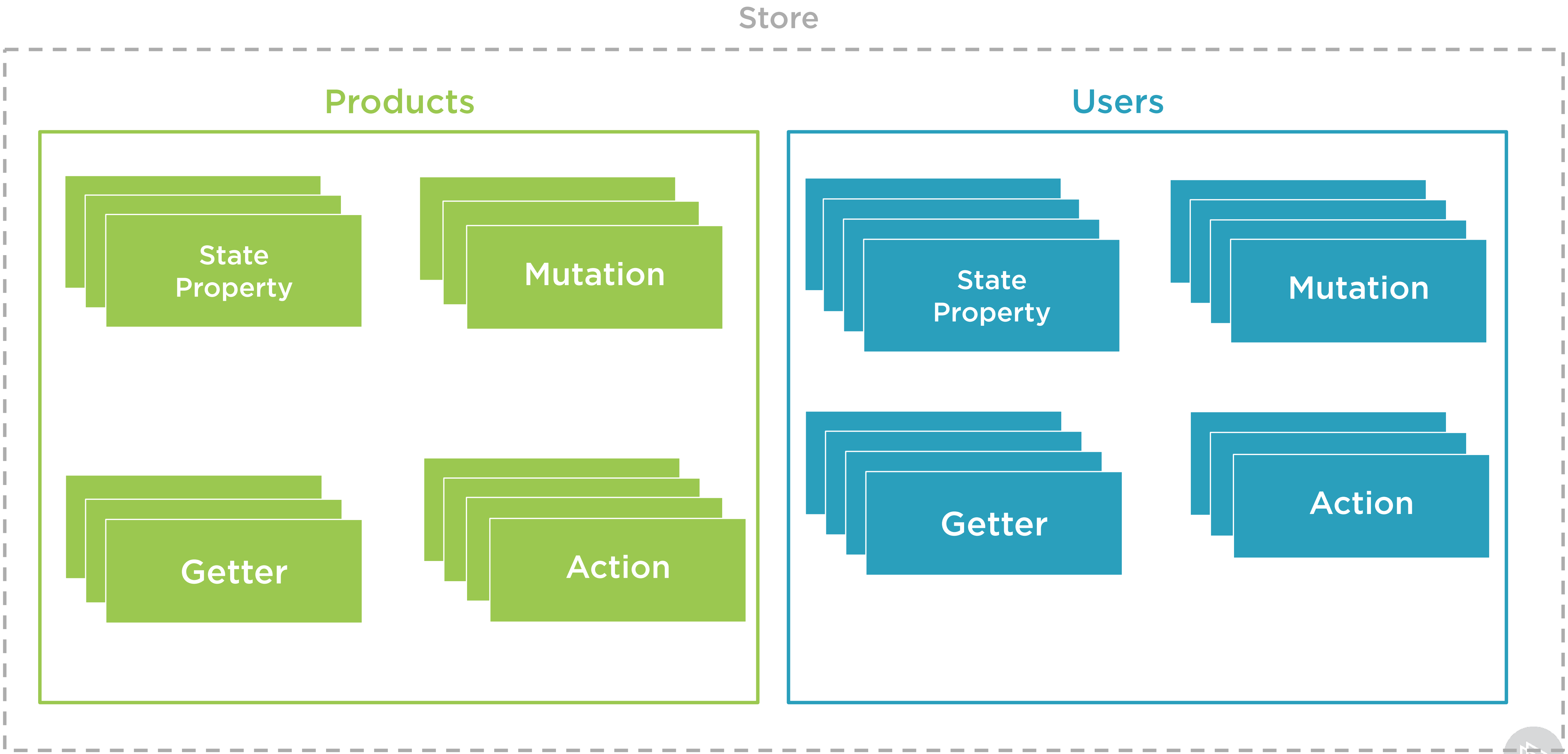


Store

Products

State Property

Mutation

Getter

Action

Users

State Property

Mutation

Getter

Action

Creating Vuex Modules

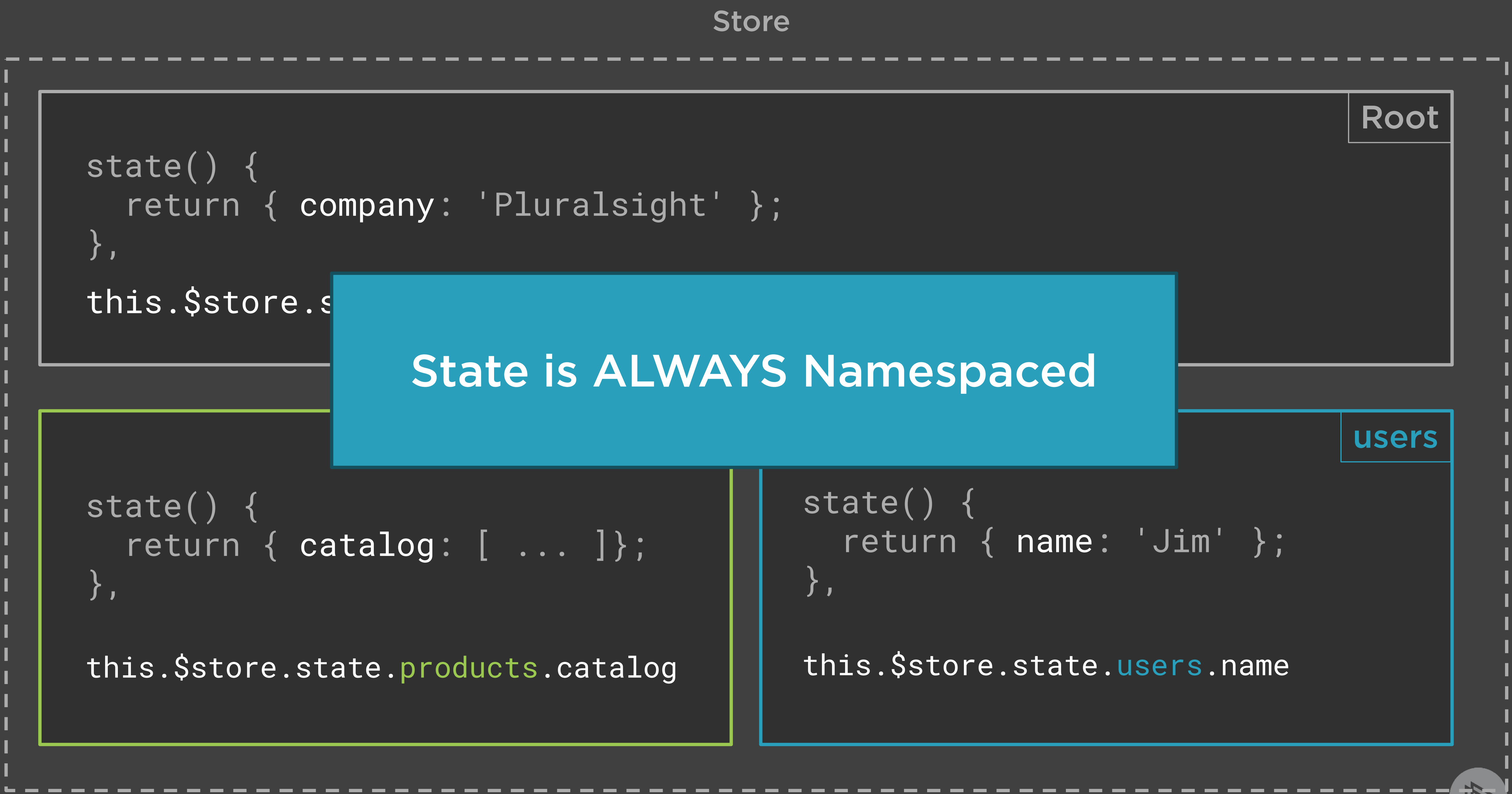
store/index.js

```
import usersModule from './test-module’;

export default new Vuex.Store({
  modules: {
    users: usersModule,
  },
  state() {   return { ... };  },
  mutations: { ... },
  actions: { … },
  getters: { … }
})
```

users-module.js

```
export default {
  state() {
    return { … };
  },
  mutations: { … },
  actions: { … },
  getters: { … },
}
```

State is ALWAYS Namespaced

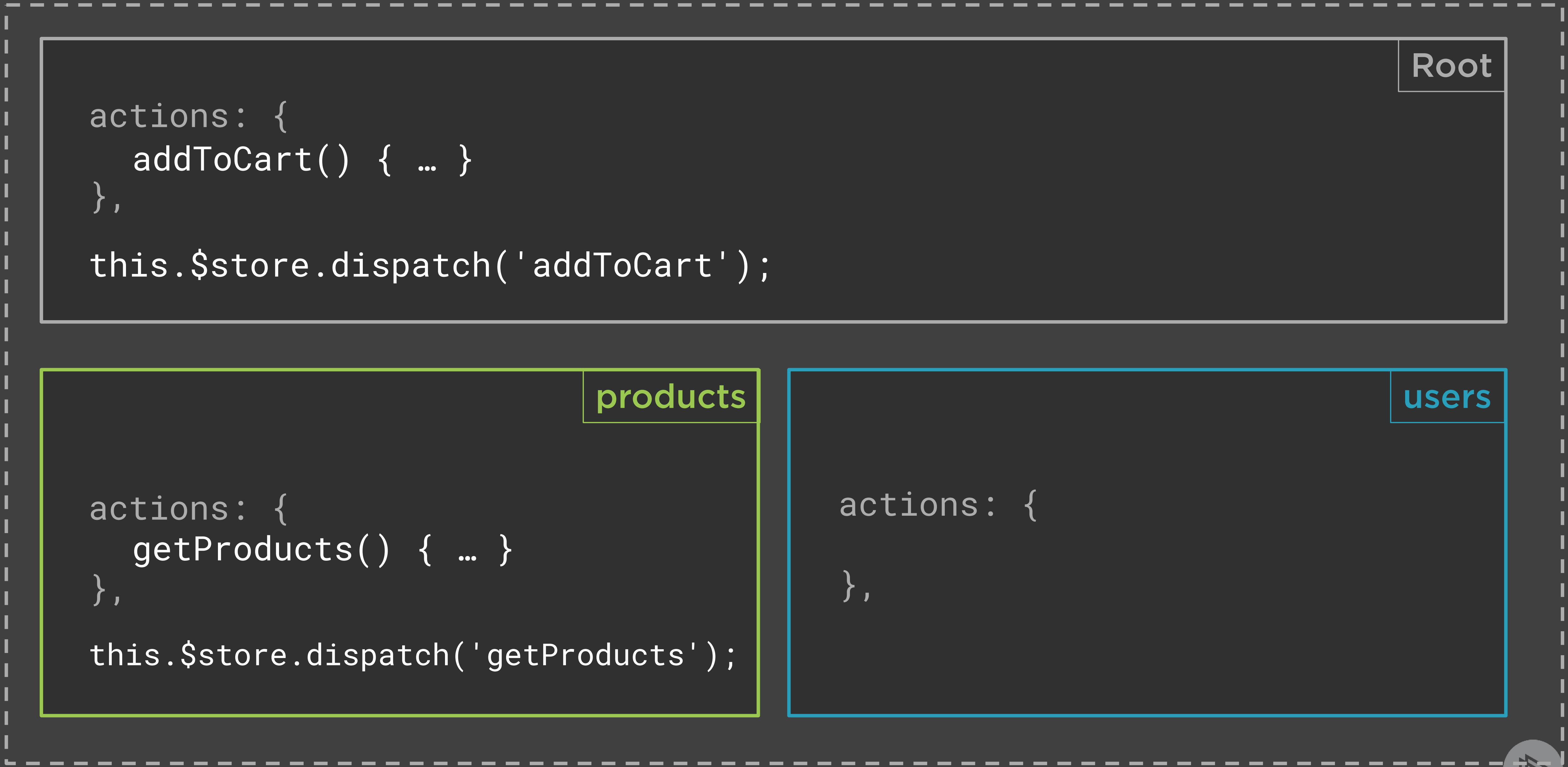


```
state() {
  return { company: 'Pluralsight' };
},

this.$store.s
```

```
state() {
  return { catalog: [ ... ]};
},

this.$store.state.products.catalog
```

```
state() {
  return { name: 'Jim' };
},

this.$store.state.users.name
```

Store



Root

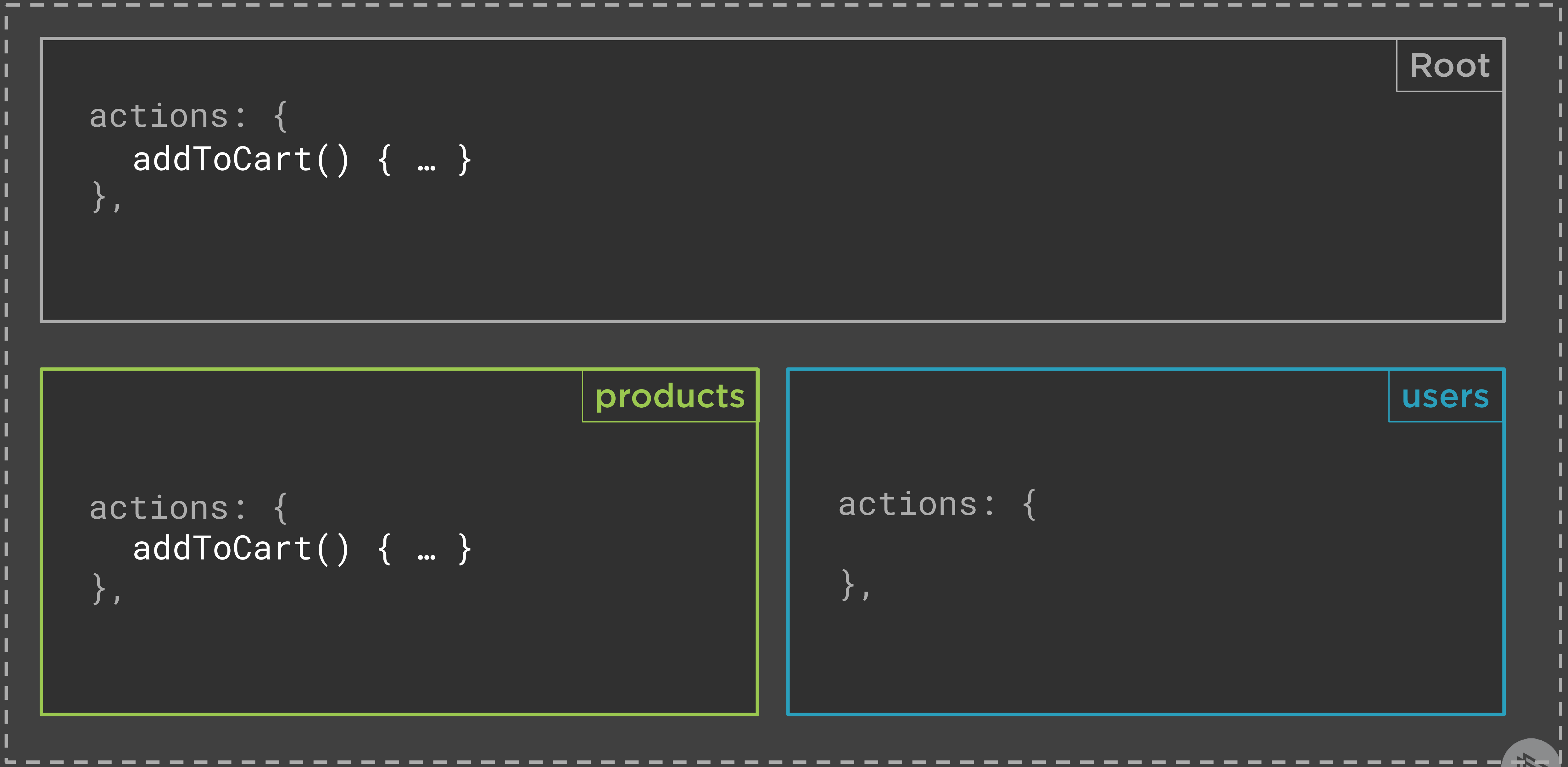
```
actions: {
  addToCart() { … }
},

this.$store.dispatch('addToCart');
```

products

```
actions: {
  getProducts() { … }
},

this.$store.dispatch('getProducts');
```

users

```
actions: {

},
```



Store

Root

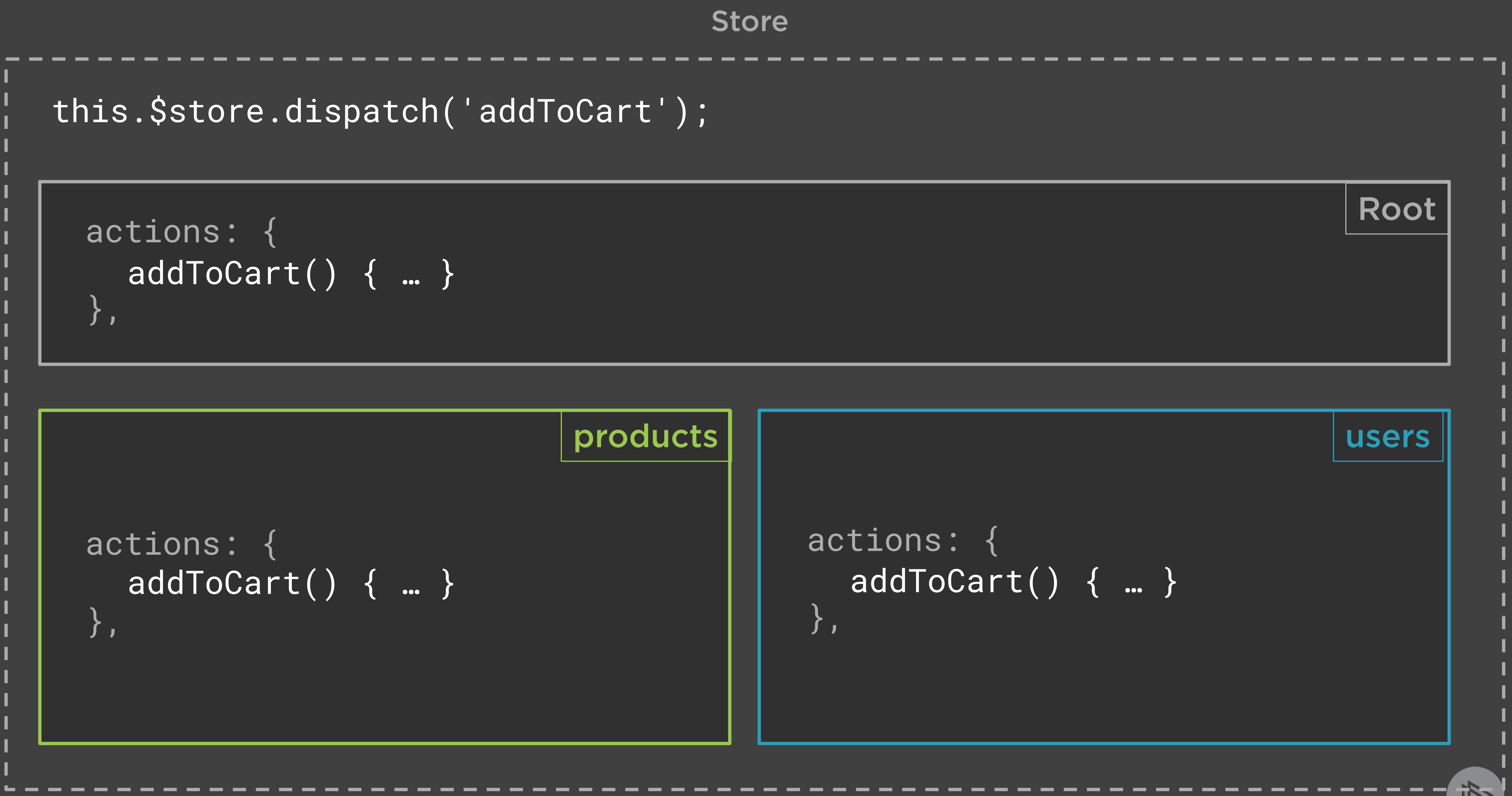
```
actions: {
  addToCart() { … }
},
```

products

```
actions: {
  addToCart() { … }
},
```

users

```
actions: {

},
```



Store

```
this.$store.dispatch('addToCart');
```

Root

```
actions: {
  addToCart() { … }
},
```

products

```
actions: {
  addToCart() { … }
},
```

users

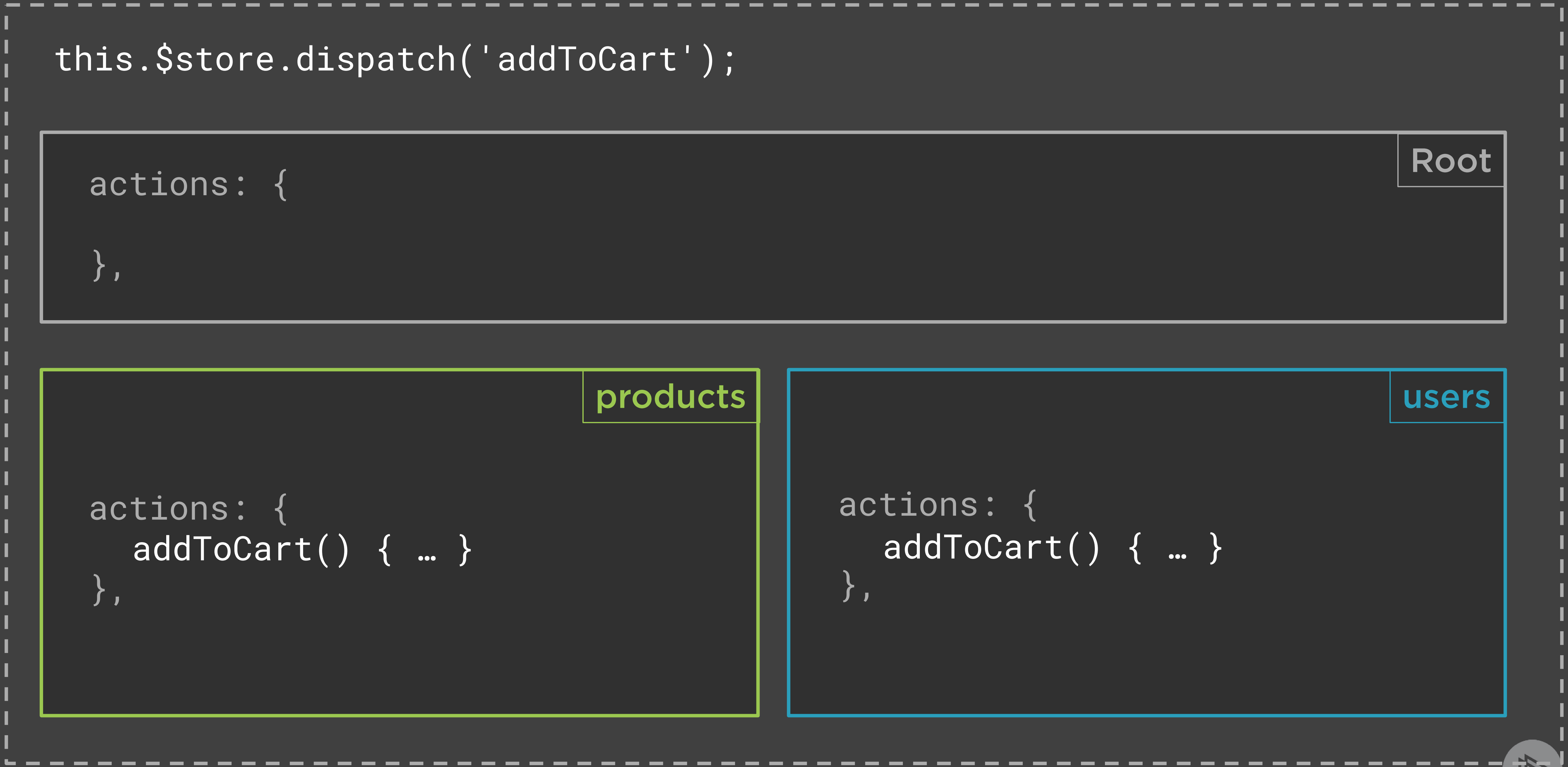
```
actions: {
  addToCart() { … }
},
```

Forcing a Module to be Namespaced

products.js

```
export default {
  namespaced: true,
  state() {
    return { ... };
  },
  mutations: { ... },
  actions: { ... },
  getters: { ... },
}
```

Store



```
this.$store.dispatch('addToCart');
```

Root

```
actions: {

},
```

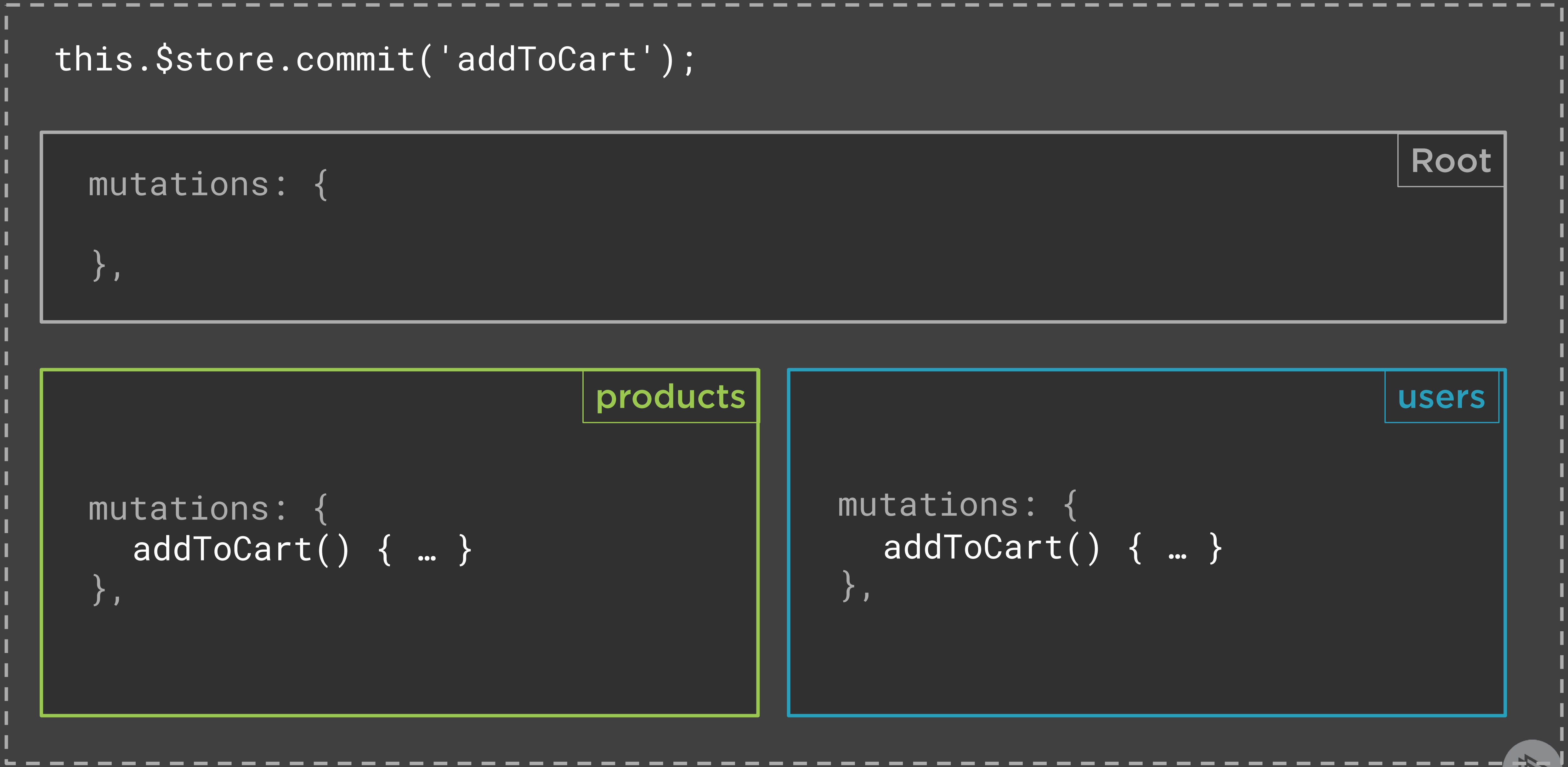
products

```
actions: {
  addToCart() { … }
},
```

users

```
actions: {
  addToCart() { … }
},
```

Store



```
this.$store.commit('addToCart');
```

Root

```
mutations: {

},
```

products

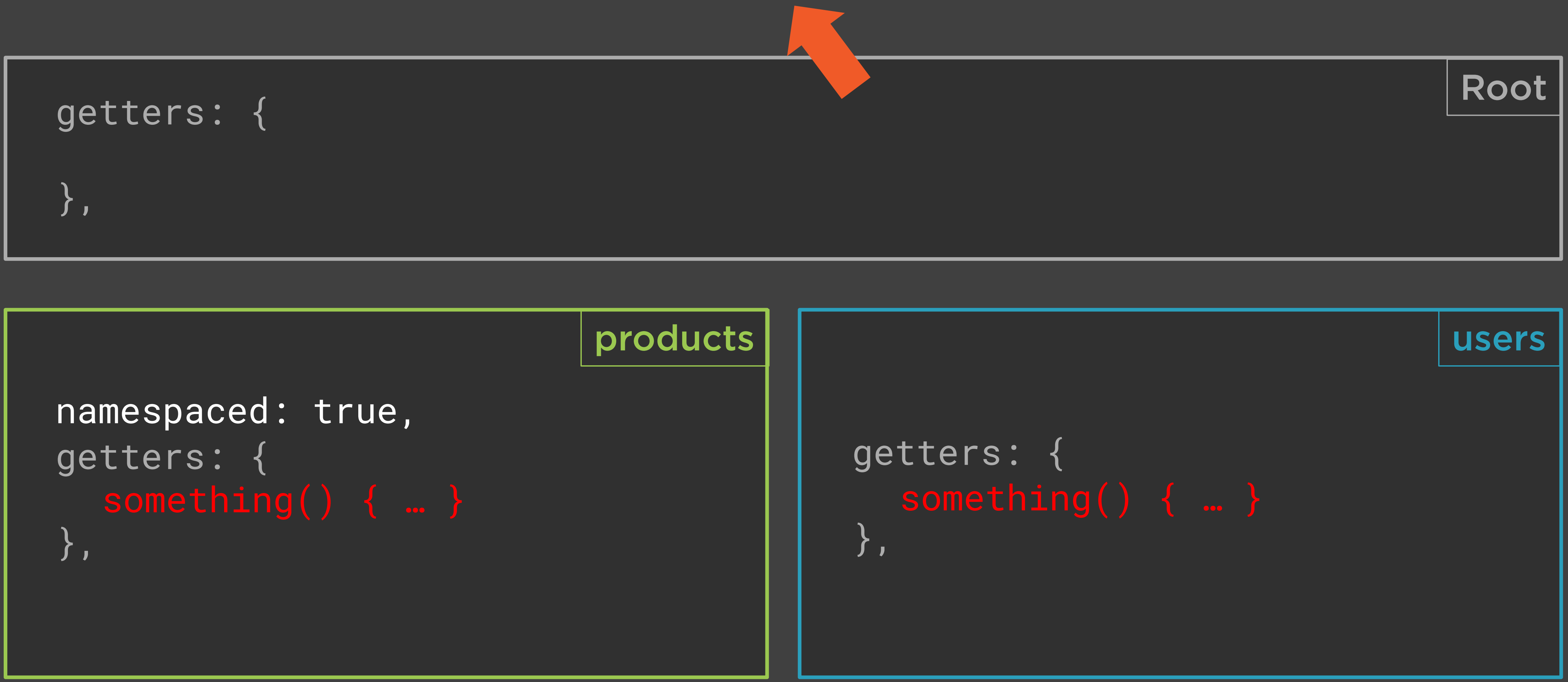
```
mutations: {
  addToCart() { … }
},
```

users

```
mutations: {
  addToCart() { … }
},
```

Store

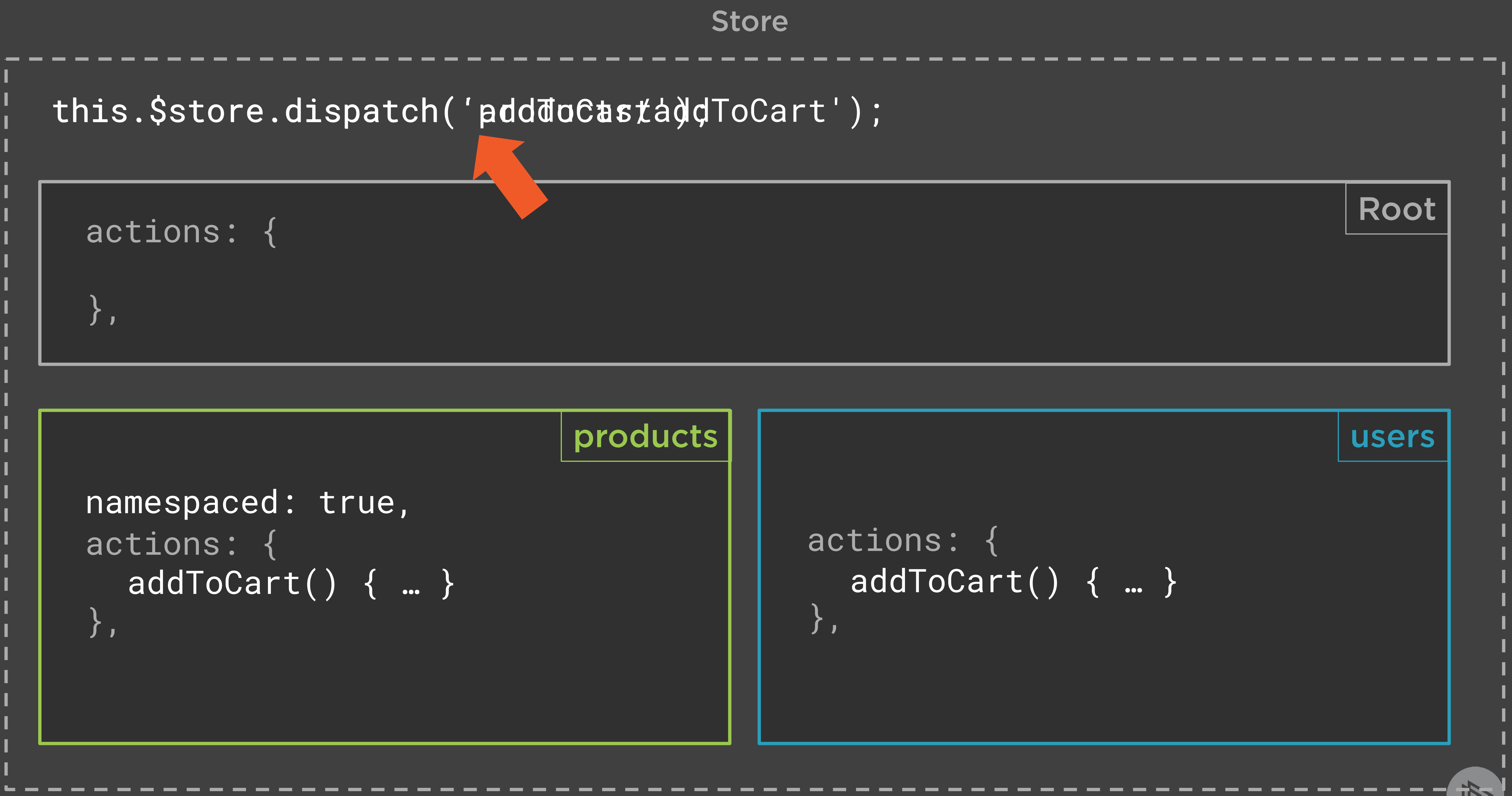
```
let products = this.$store.getters['products/something'];
```



```
getters: {

},
```

```
namespaced: true,
getters: {
  something() { … }
},
```

```
getters: {
  something() { … }
},
```



Store

```
this.$store.dispatch('products/addToCart');
```

Root

```
actions: {

},
```

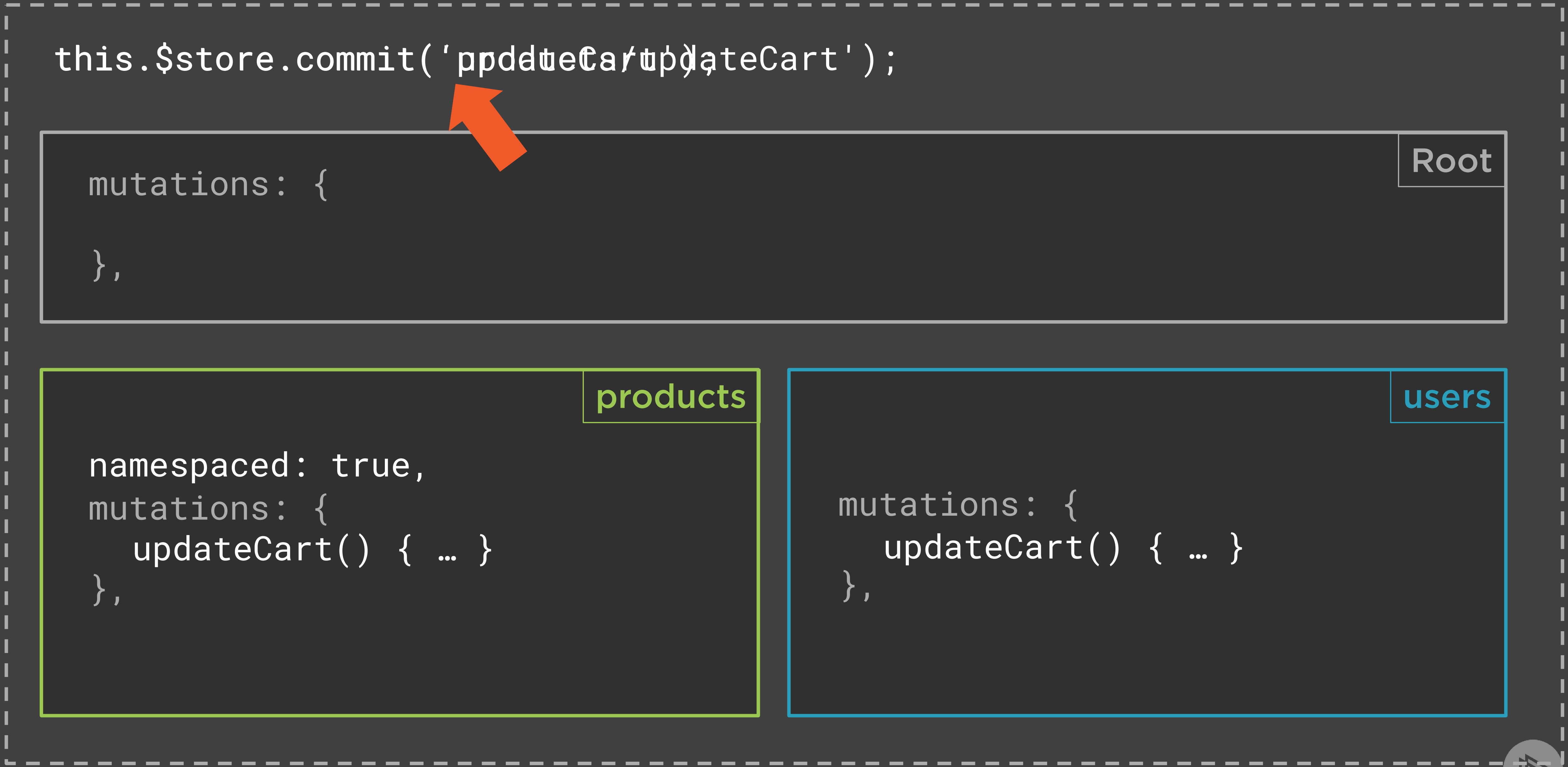
products

```
namespaced: true,
actions: {
  addToCart() { … }
},
```

users

```
actions: {
  addToCart() { … }
},
```

Store



```
this.$store.commit('updateCart');
this.$store.commit('products/updateCart');
```

Root

```
mutations: {

},
```

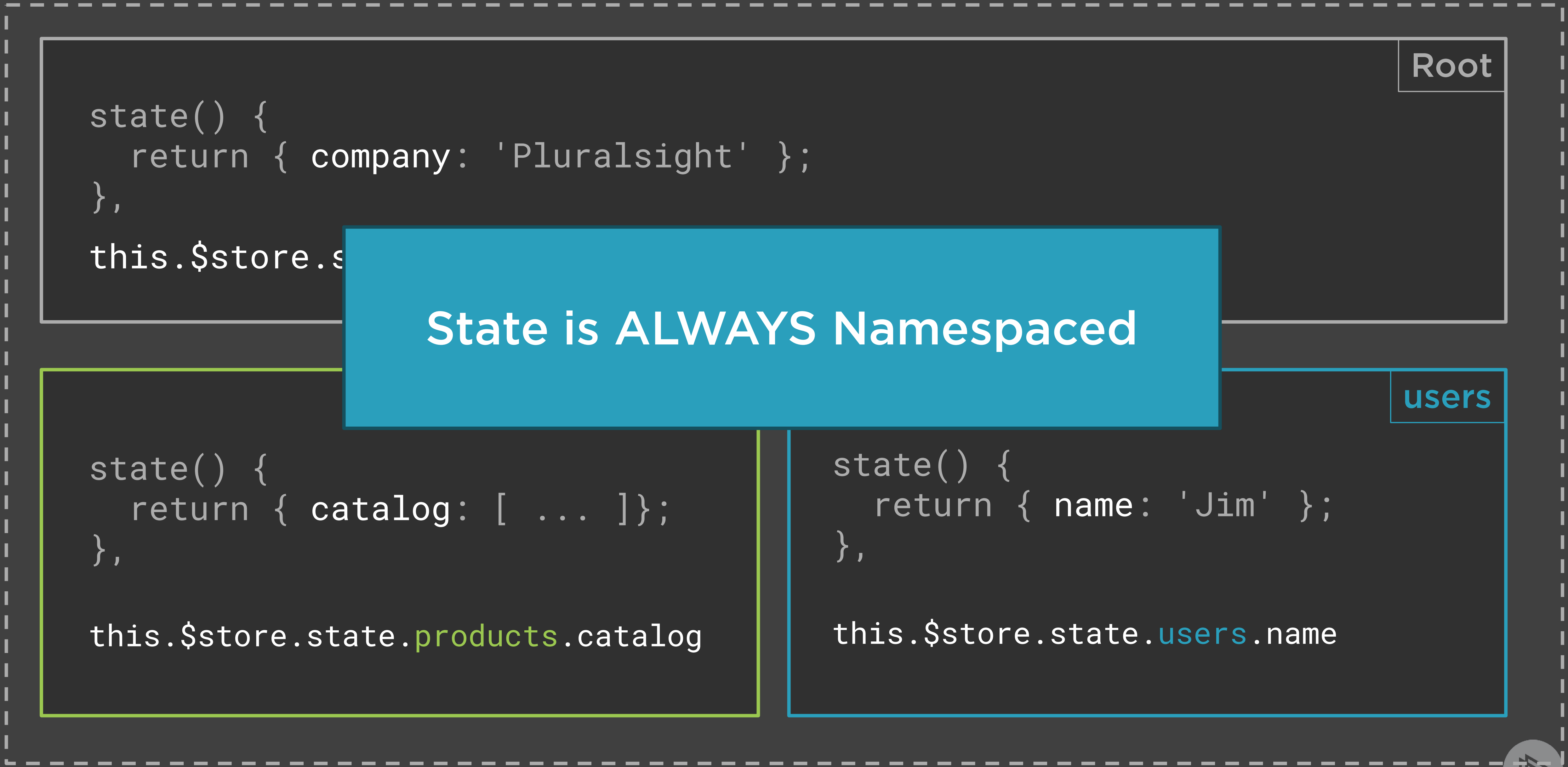
products

```
namespaced: true,
mutations: {
  updateCart() { … }
},
```

users

```
mutations: {
  updateCart() { … }
},
```

Store



Root

```
state() {
  return { company: 'Pluralsight' };
},

this.$store.s
```

State is ALWAYS Namespaced

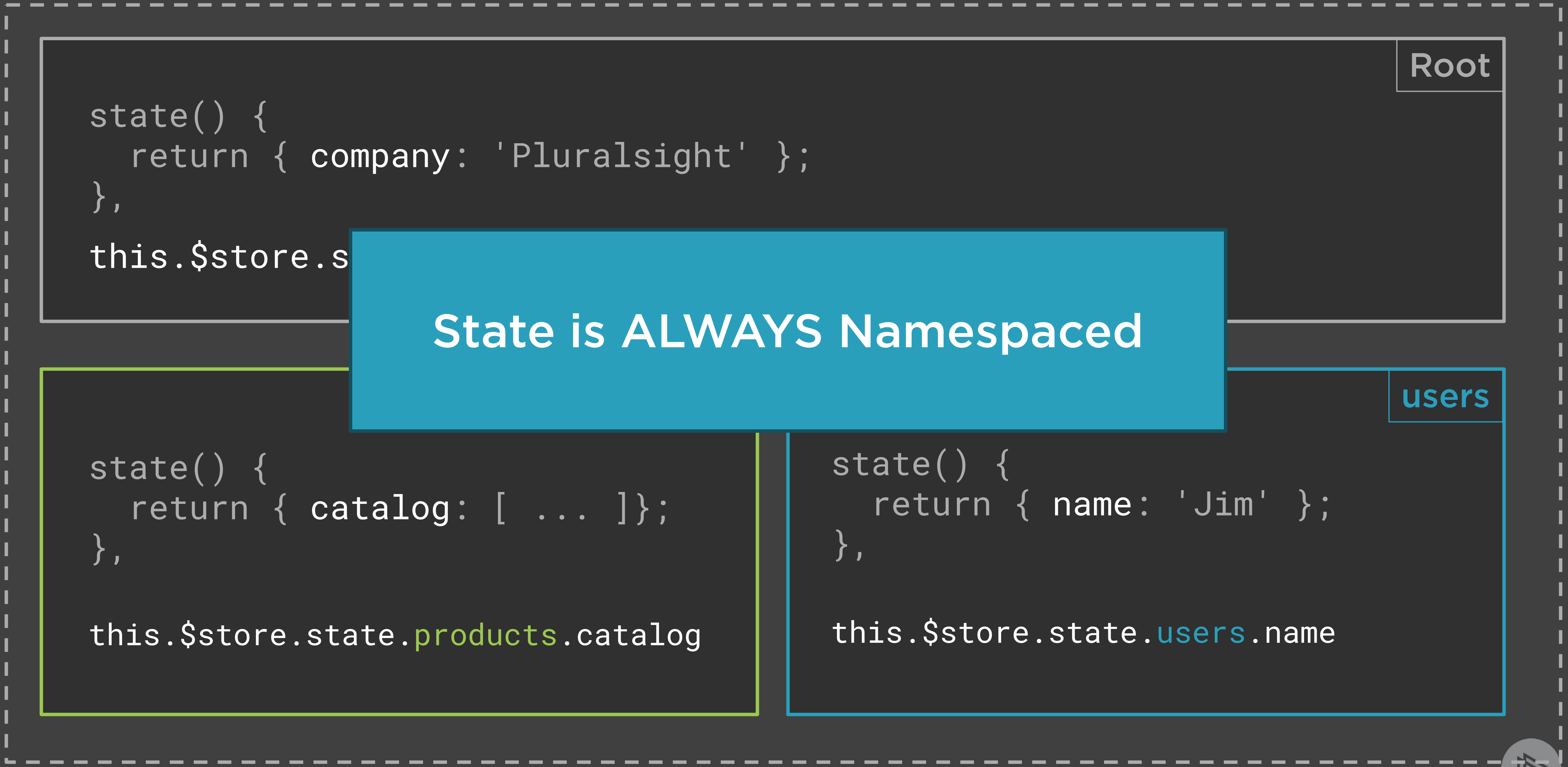
```
state() {
  return { catalog: [ ... ]};
},

this.$store.state.products.catalog
```

users

```
state() {
  return { name: 'Jim' };
},

this.$store.state.users.name
```

Let’s review

Store



Root

```
state() {
  return { company: 'Pluralsight' };
},

this.$store.s
```

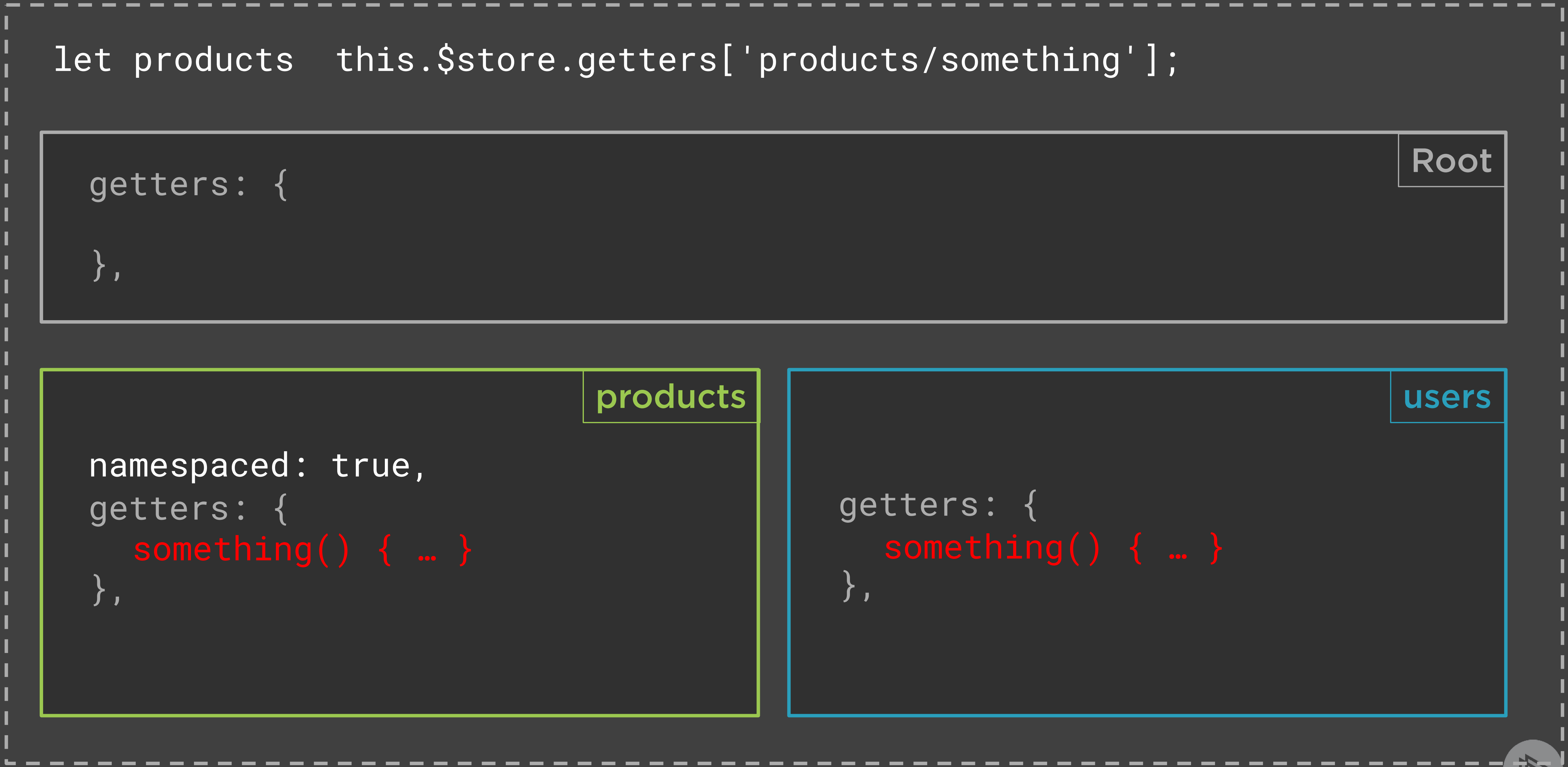
```
state() {
  return { catalog: [ ... ]};
},

this.$store.state.products.catalog
```

users

```
state() {
  return { name: 'Jim' };
},

this.$store.state.users.name
```

State is ALWAYS Namespaced

Store



```
let products  this.$store.getters['products/something'];
```

Root

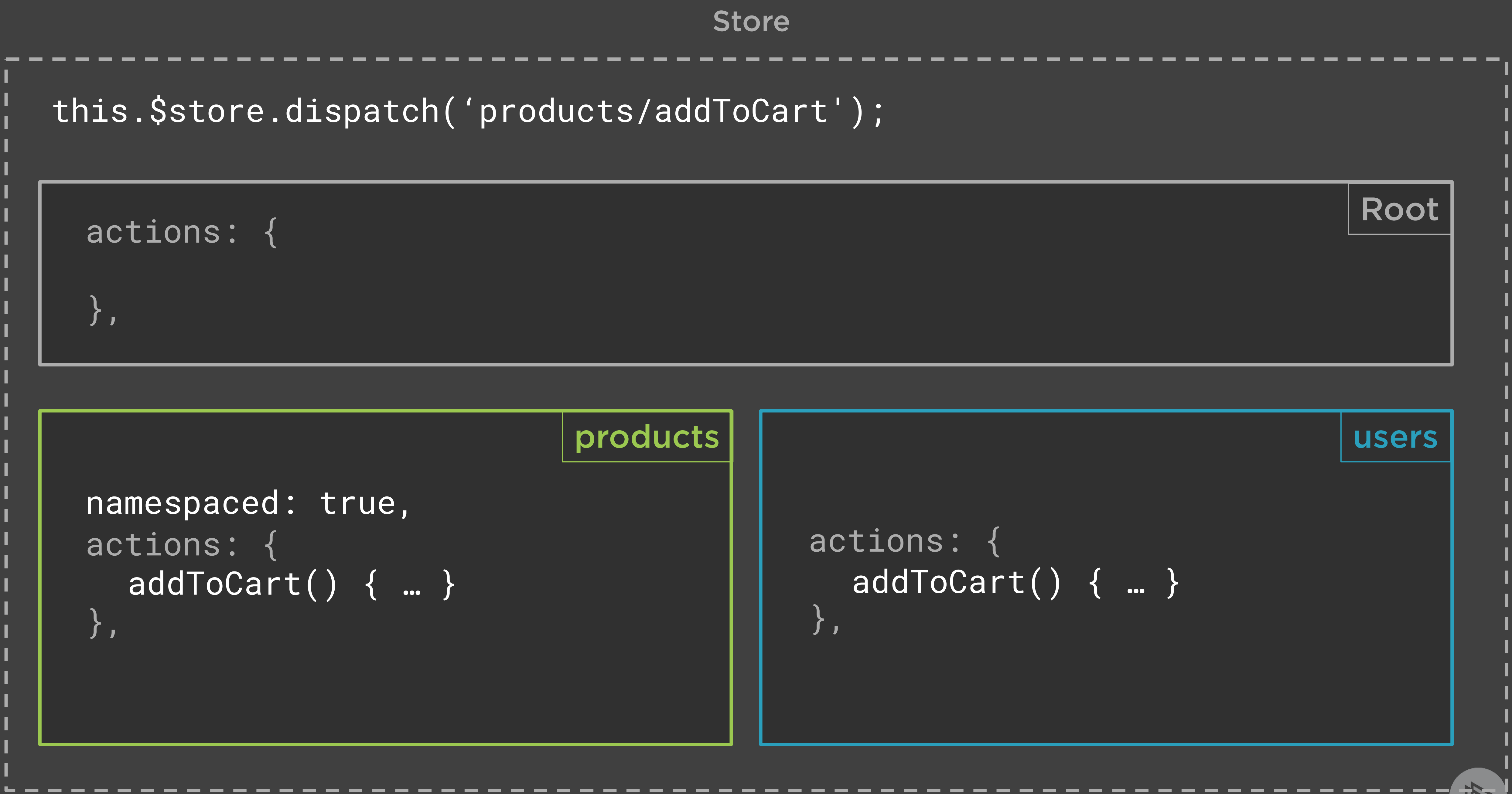
```
getters: {

},
```

products

```
namespaced: true,
getters: {
  something() { … }
},
```

users

```
getters: {
  something() { … }
},
```



Store

```
this.$store.dispatch(‘products/addToCart');
```

Root

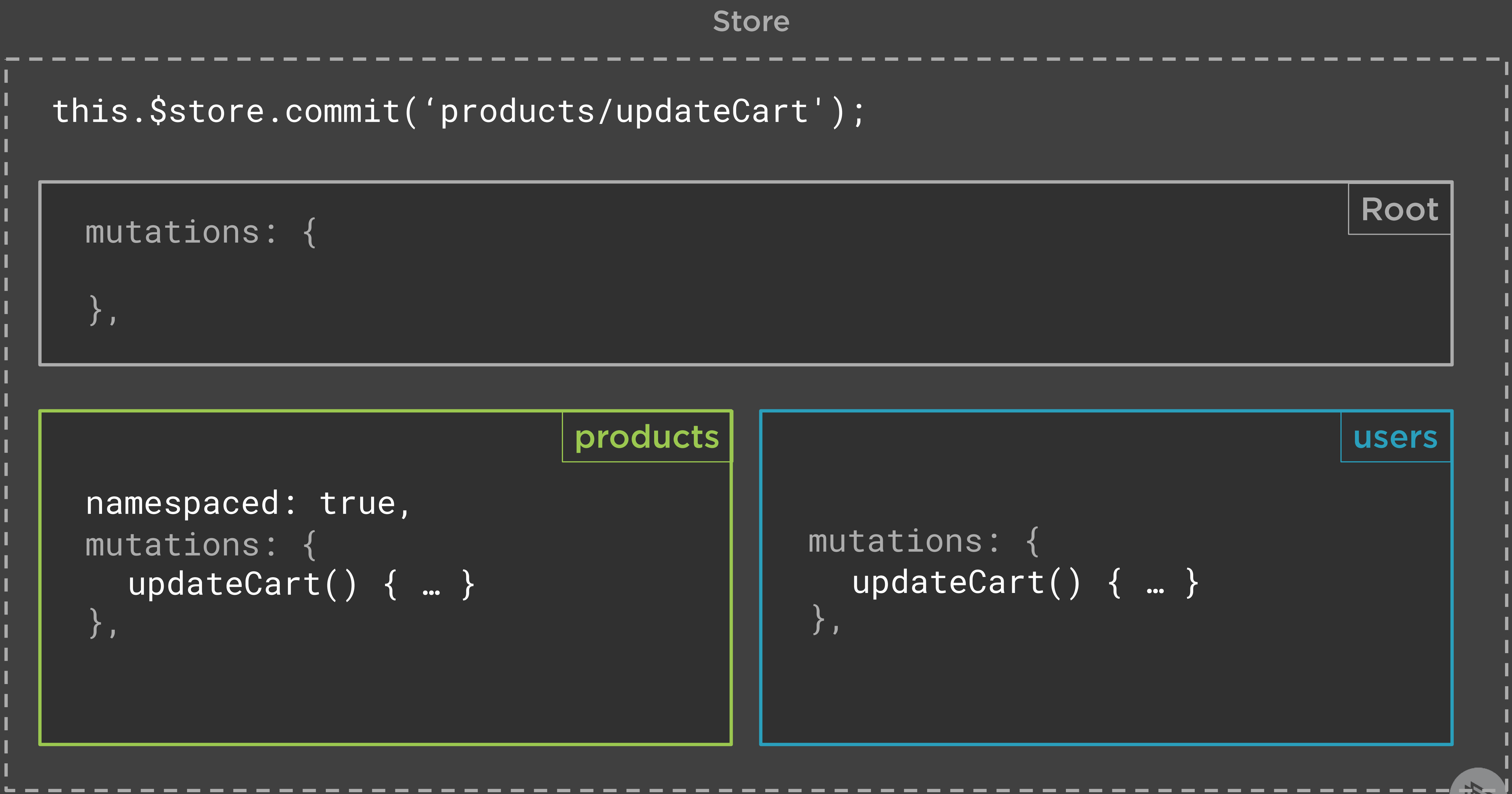
```
actions: {

},
```

products

```
namespaced: true,
actions: {
  addToCart() { … }
},
```

users

```
actions: {
  addToCart() { … }
},
```



Store

```
this.$store.commit(‘products/updateCart');
```

Root

```
mutations: {

},
```

products

```
namespaced: true,
mutations: {
  updateCart() { … }
},
```

users

```
mutations: {
  updateCart() { … }
},
```

Now, let’s go learn about Vuex’s mapping functions!