



- ngrx-data: no longer have to write actions/reducers/selectors again...
- Reducers
 - Should always be pure. Input = Output
- Selectors
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 - Can use Snapshot testing.
- Actions
- Side Effects
 - Can use Jasmine Marbles to verify input actions
- Components
 - Given set of inputs = same outputs
 - Has no global observable dependencies: (modifying global vars, global state, rendering other side effect components)
 - 1. create component fixture
 - beforeEach: async() + await fixture.compile({book});
 - 3. Should Compile: expect(fixture).toMatchSnapshot();
- Container Tests
 - Store aware components
 - Verify they work correctly
 - Verify they dispatch the right actions

NgRx Entity

- Provides set of the functions for CRUD operations
- @ngrx/entity lets you create entity adapters for different kinds of entities. Using an entity adapter, you can quickly write reducer operations and automatically generate selectors.

```
interface Book {
   id: string;
   title: string;
}
import { createEntityAdapter } from '@ngrx/entity';
const bookAdapter = createEntityAdapter<Book>();
export const {
   selectIds, selectEntities, selectAll, selectTotal,
} = bookAdapter.getSelectors();
```

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