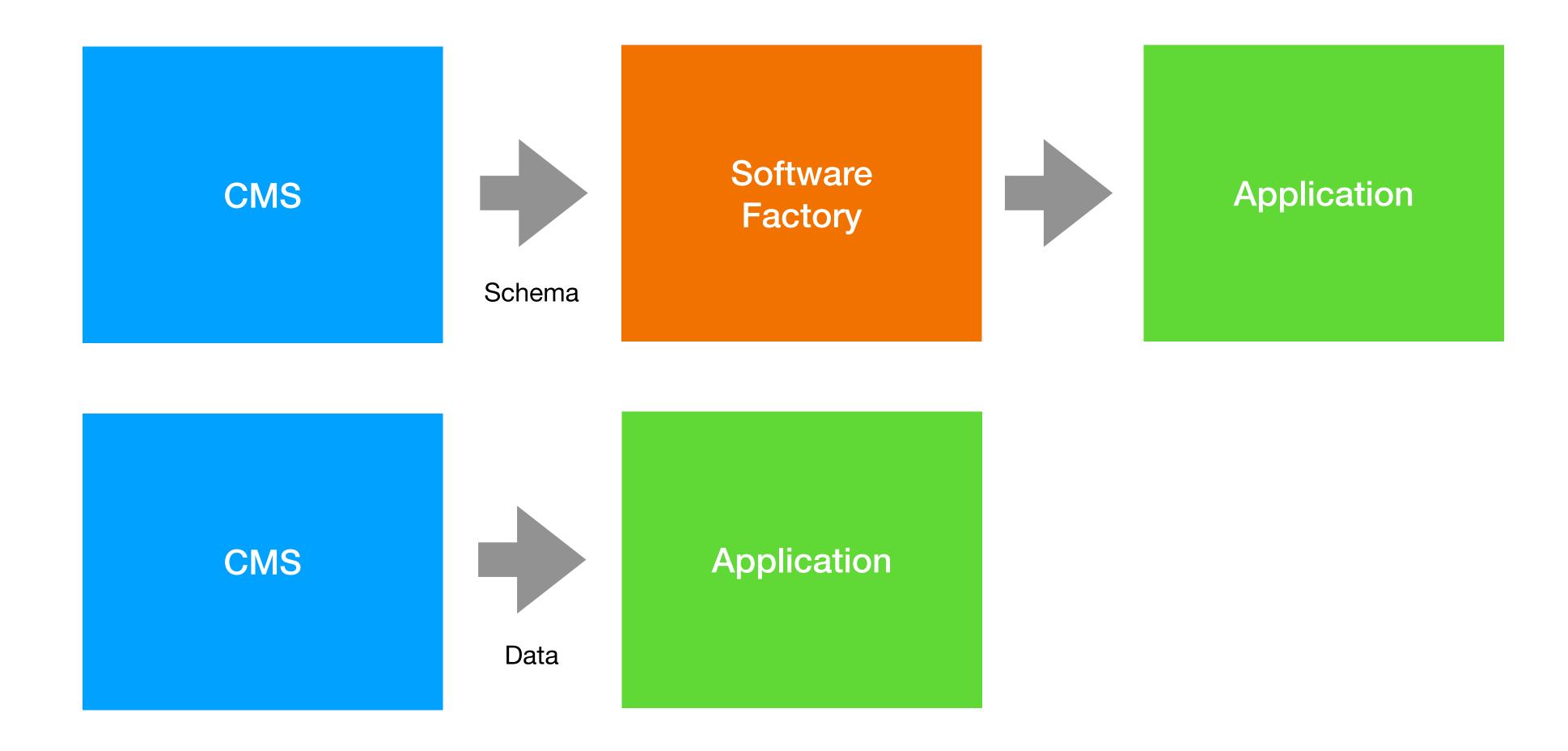
CMS driven Software Factories

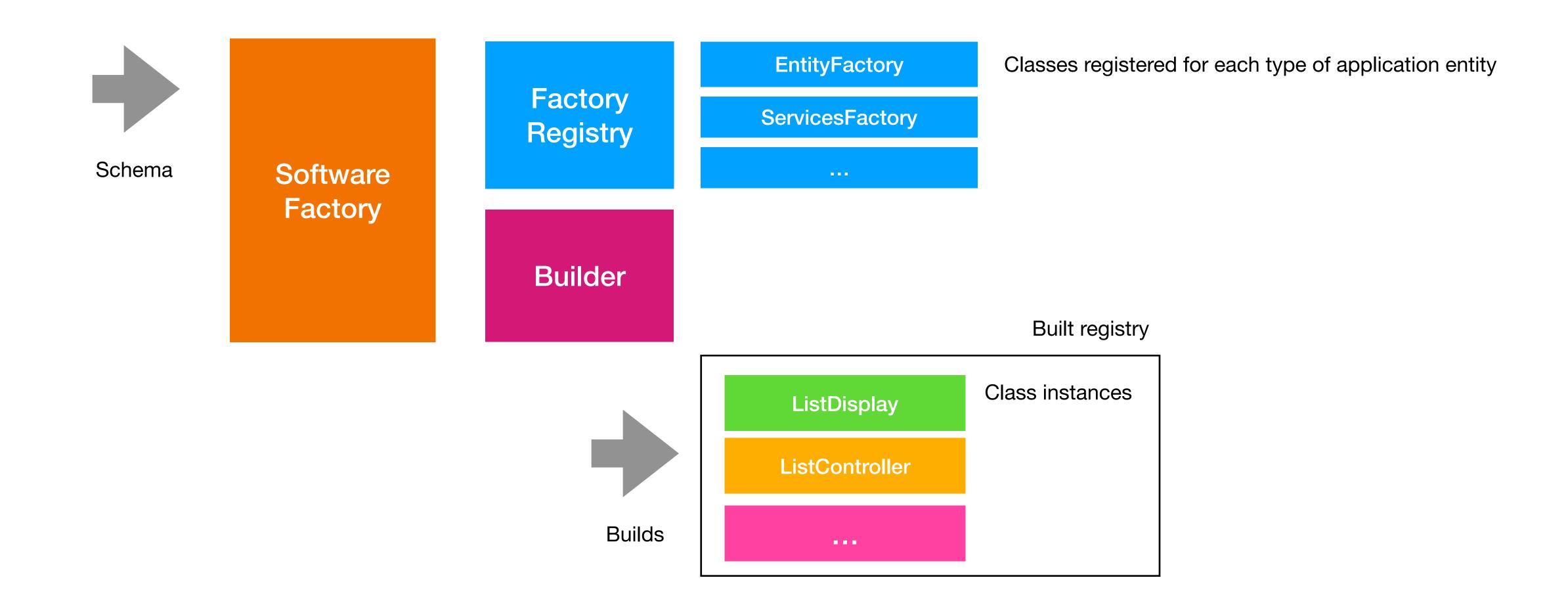
Generating application infrastructure with customisations

Runtime Application generation and Assembly

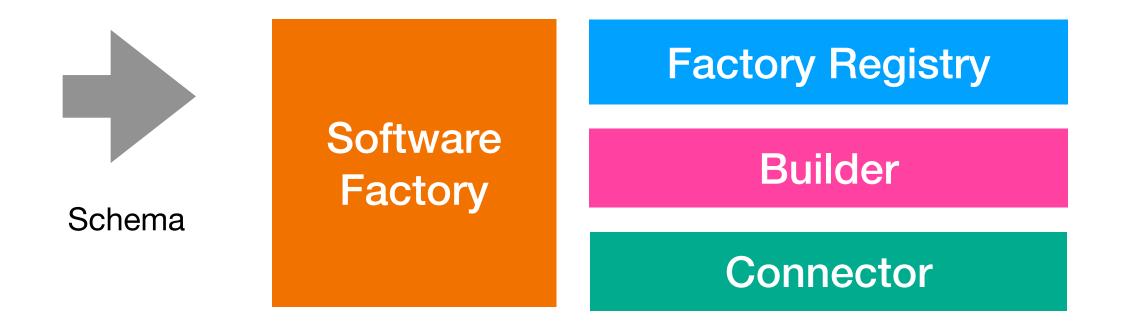


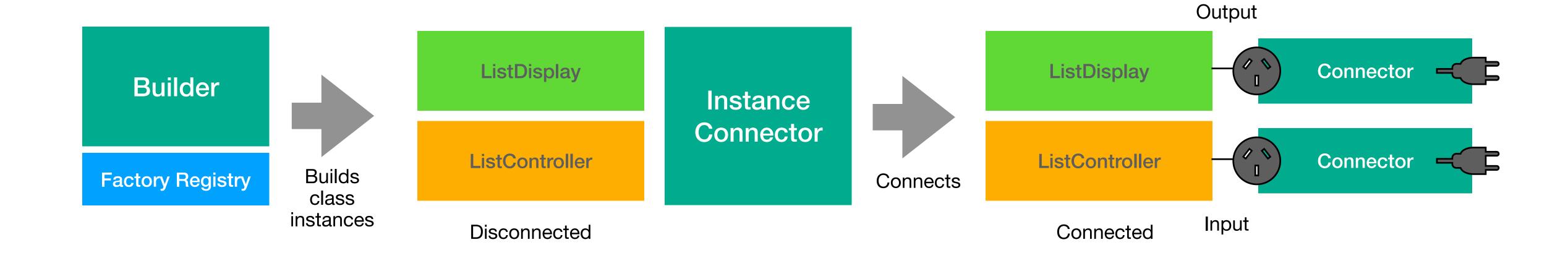
Application Factory

Application Factory

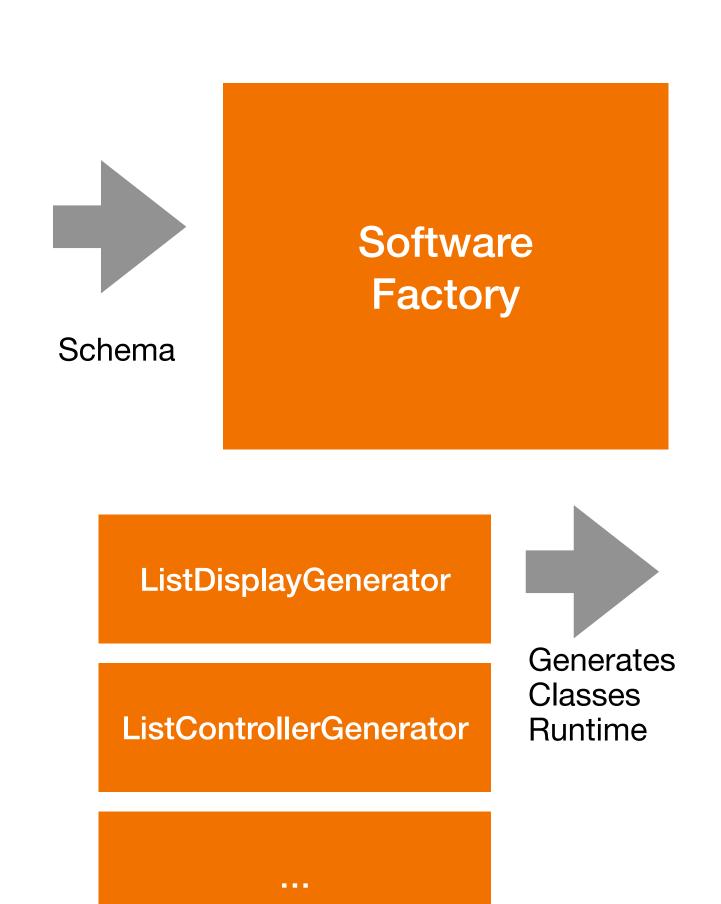


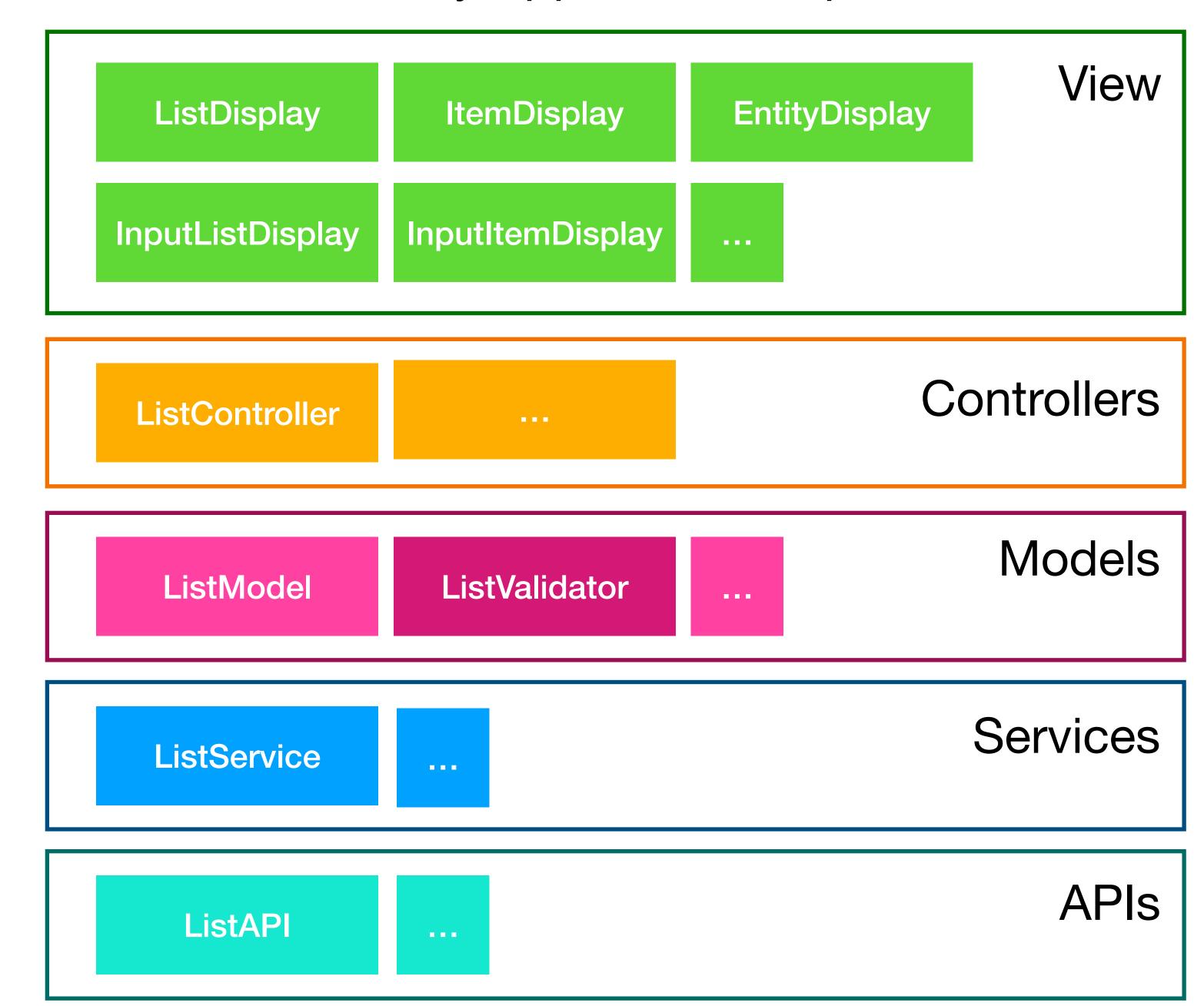
Application Factory





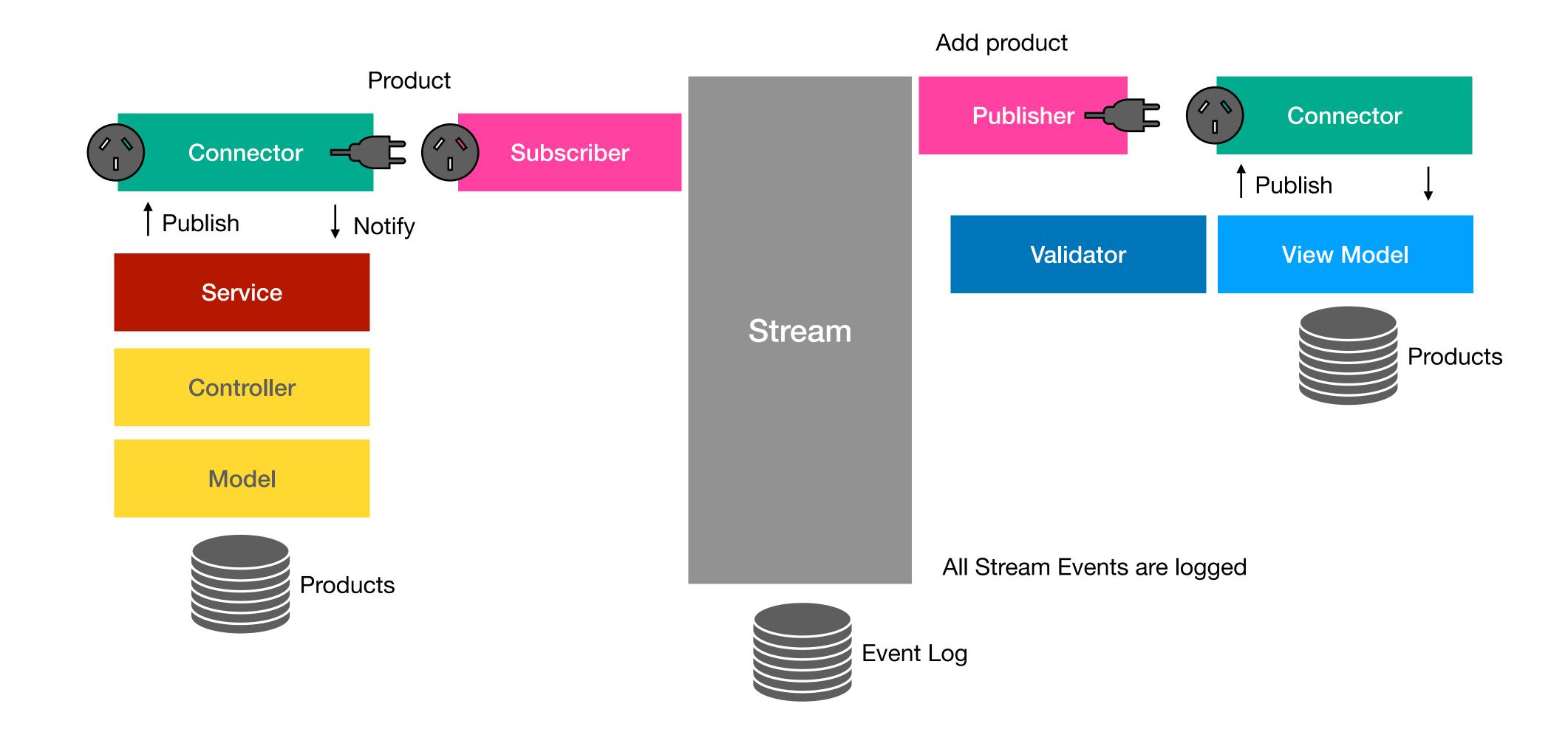
Entity Application outputs

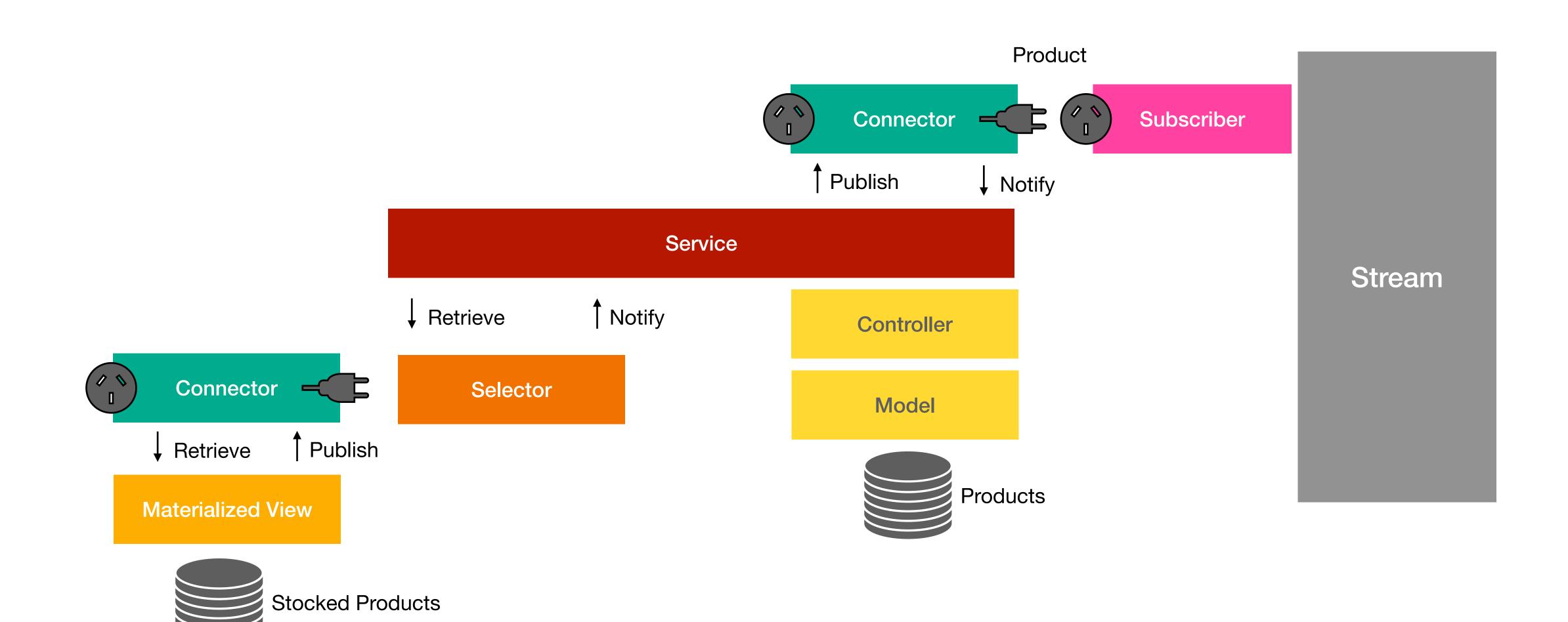




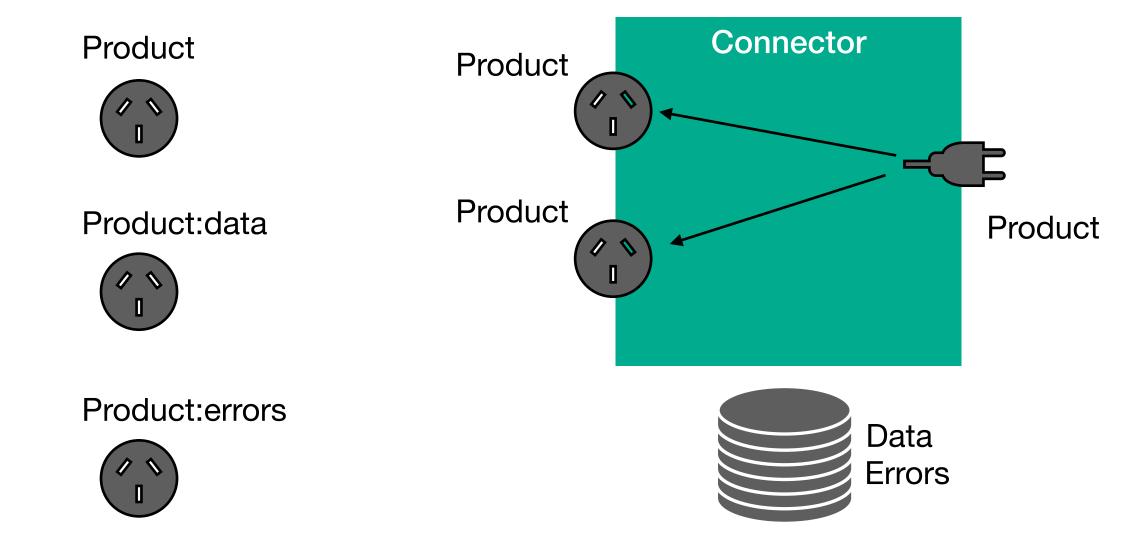
Application Data Flow

Subscribing and Connecting to Stream Data

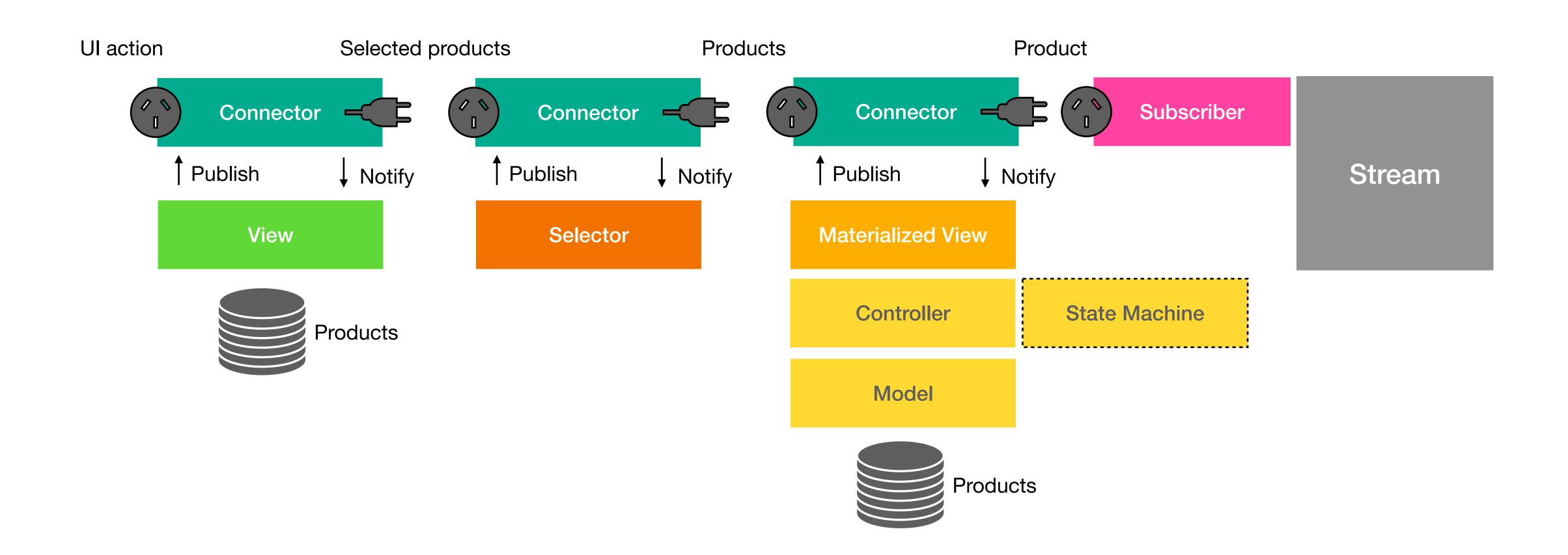




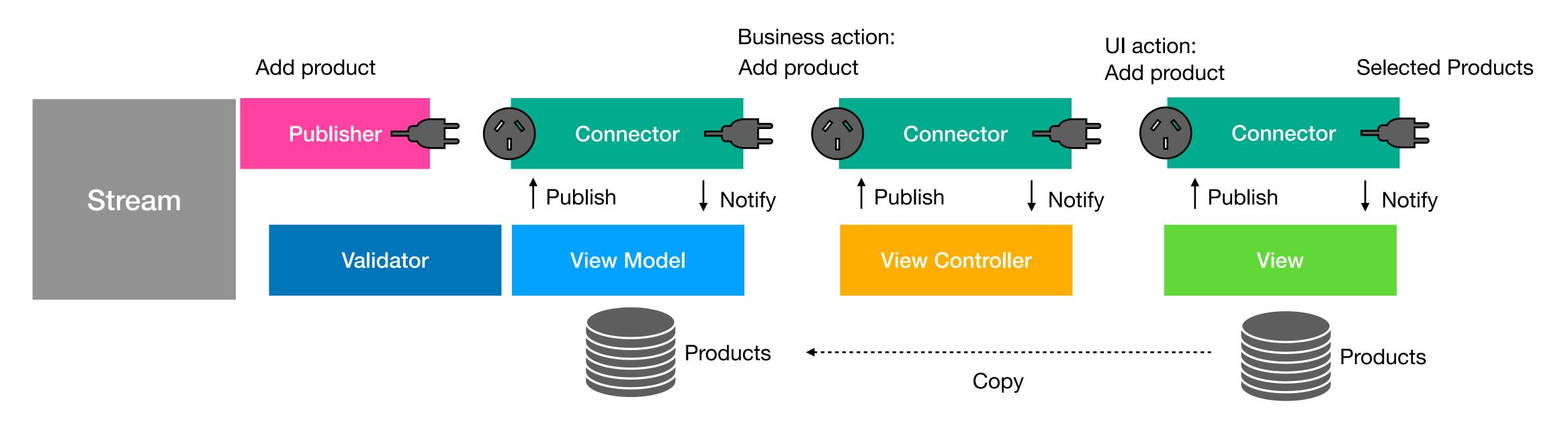
Connector in Detail



View subscribing to Materialized View



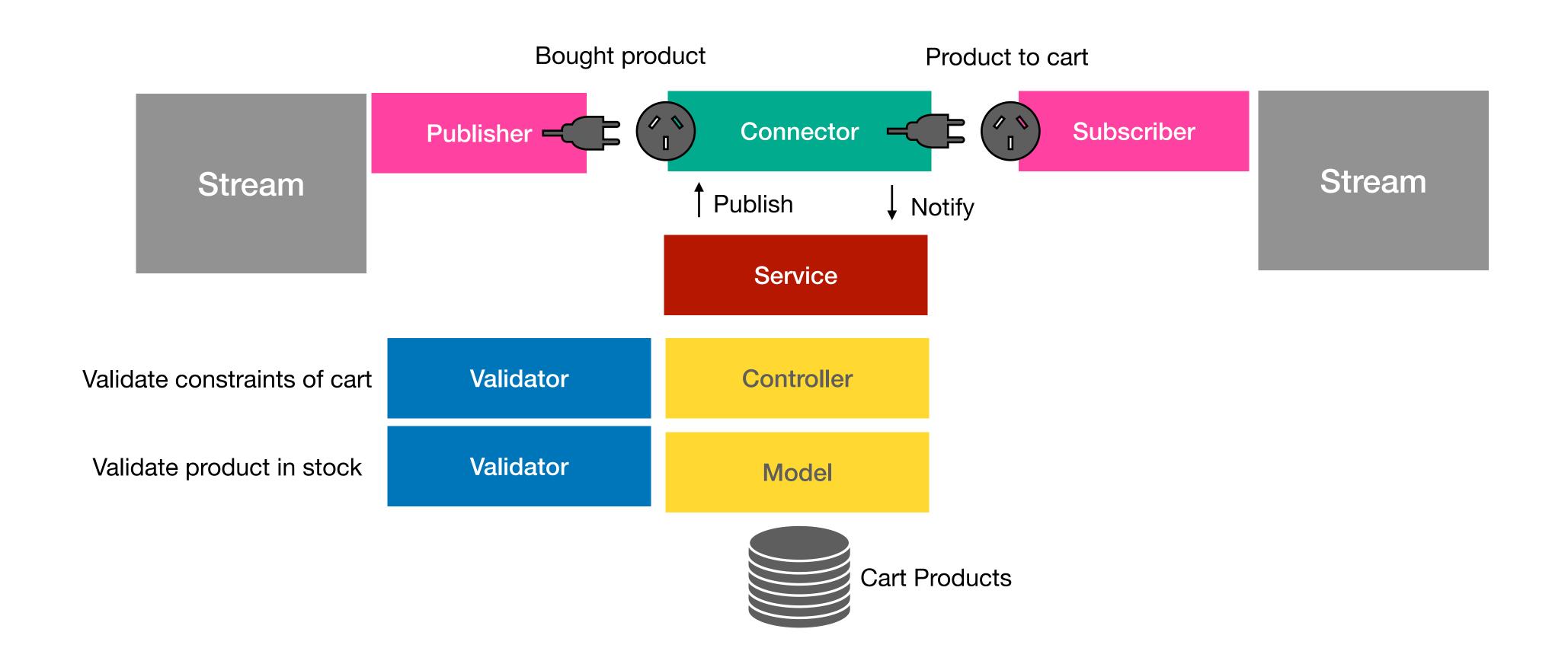
Model-View-Controller data flow



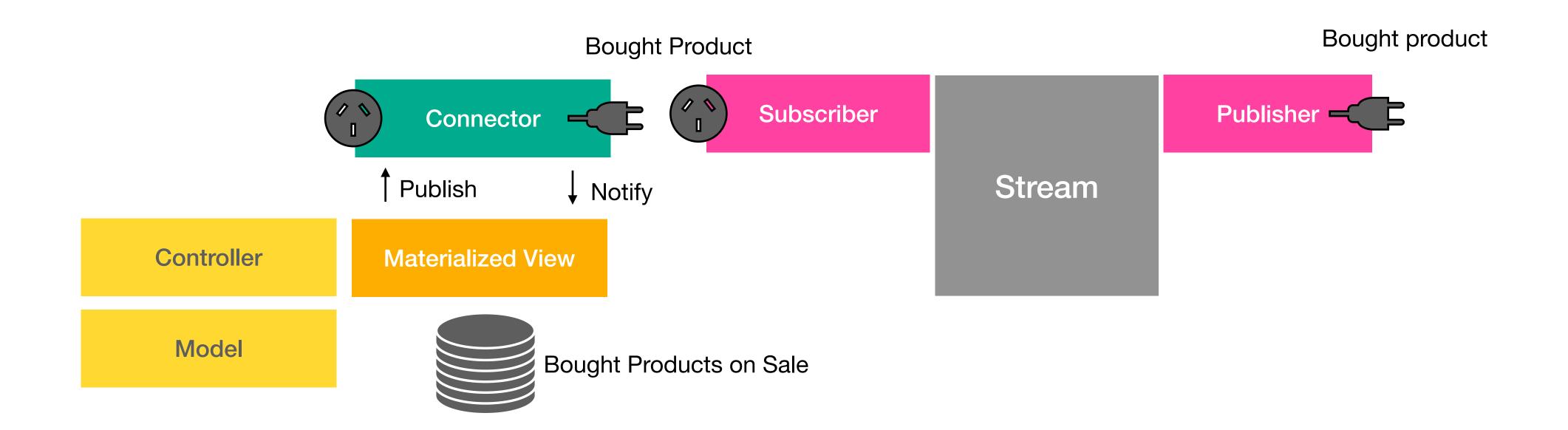
Validate that action can be performed on View Model

Service subscribing to Stream

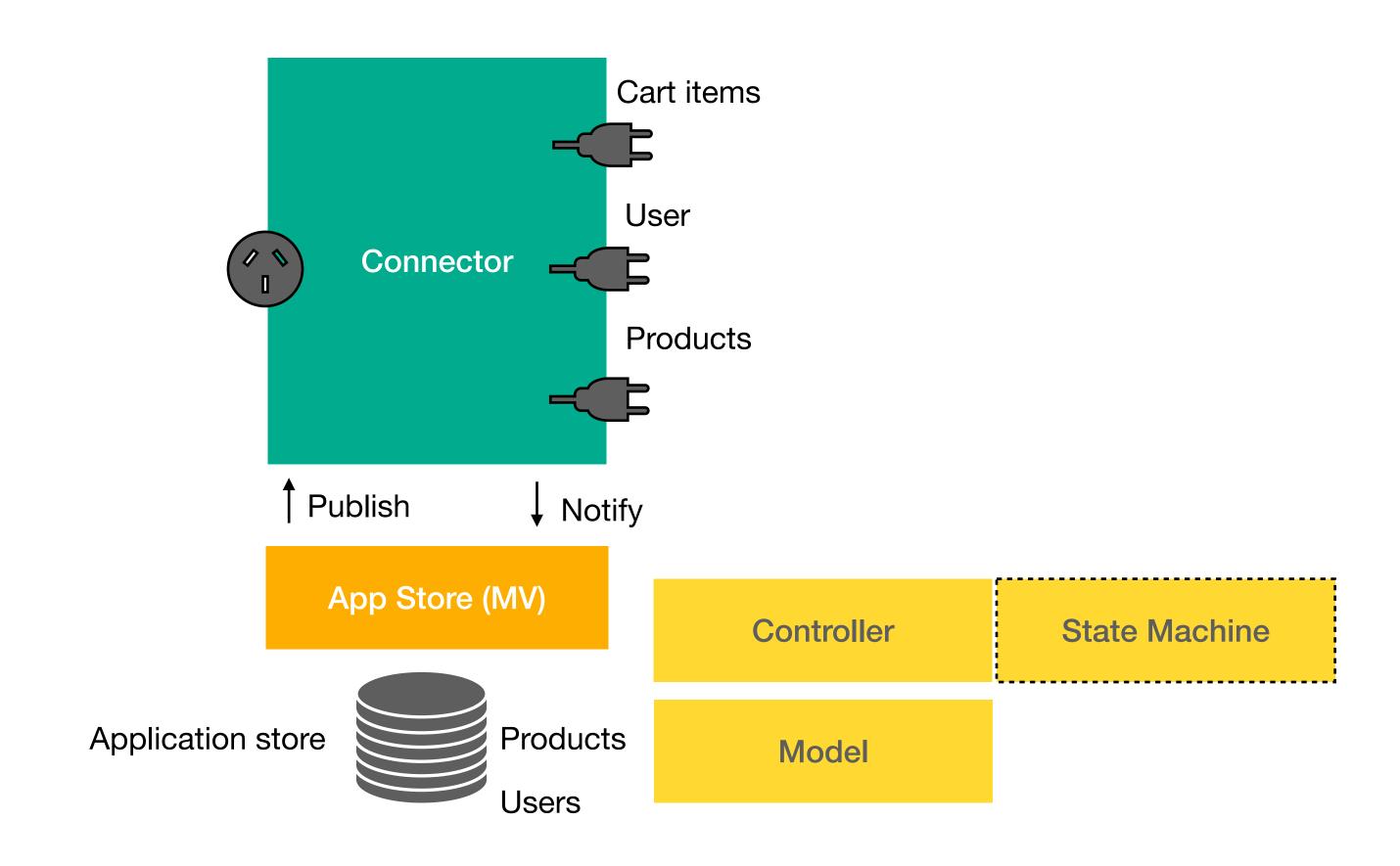
publishes new event - result of service



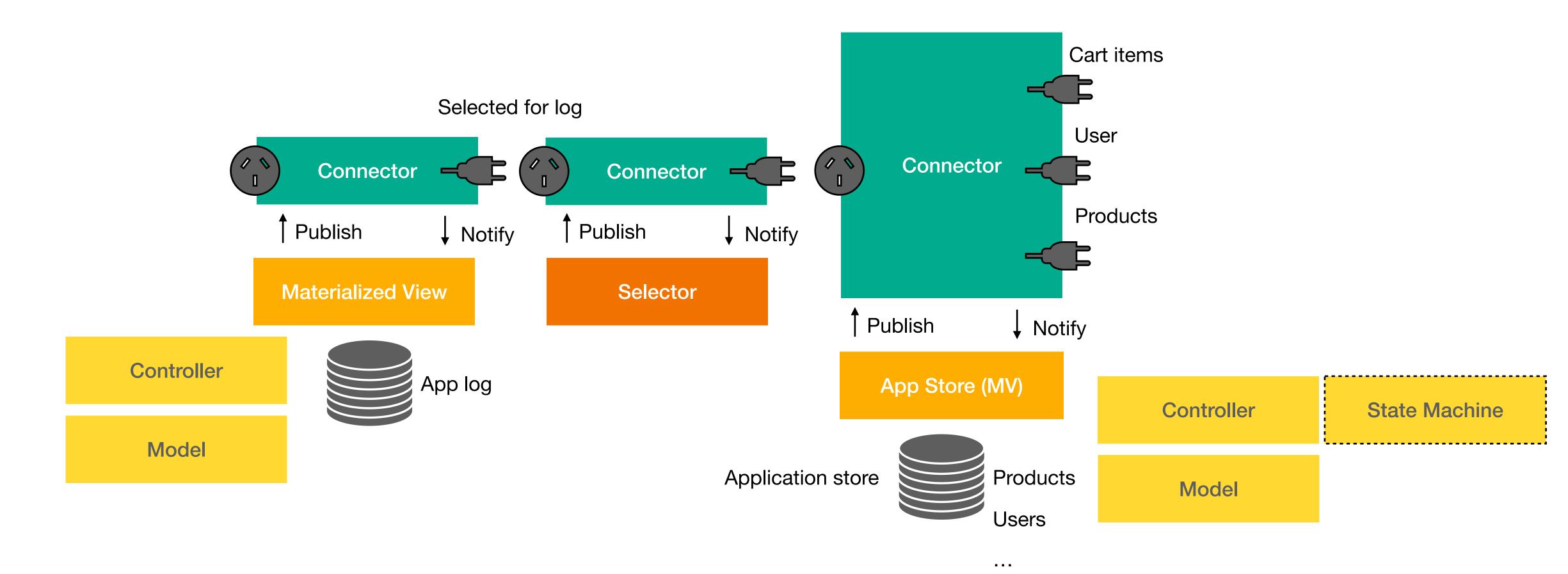
Materialized View subscribing to Stream



App Store as a Materialized View

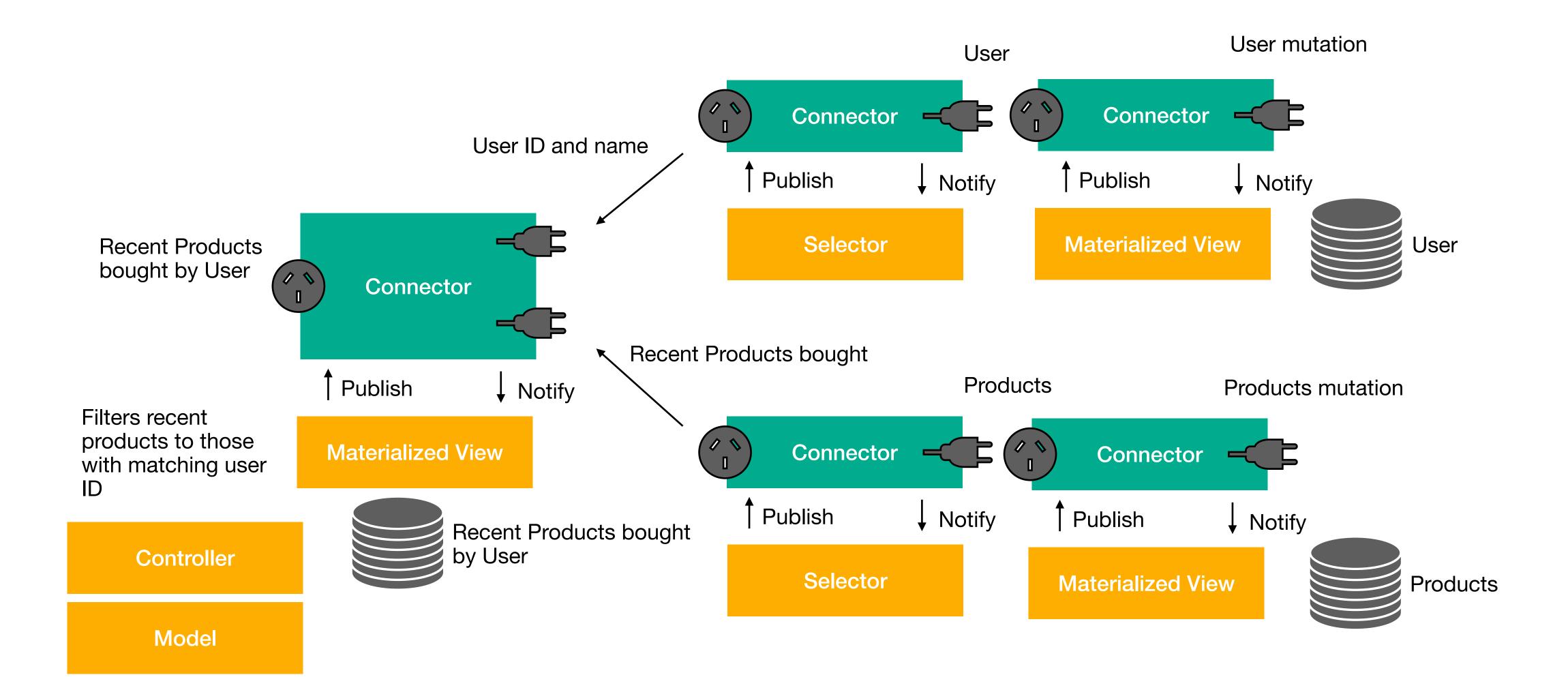


Application store and Application log



A View should NEVER select directly from Application store A View should always select from a Materialized View with data specific for that view

Aggregate Material Views

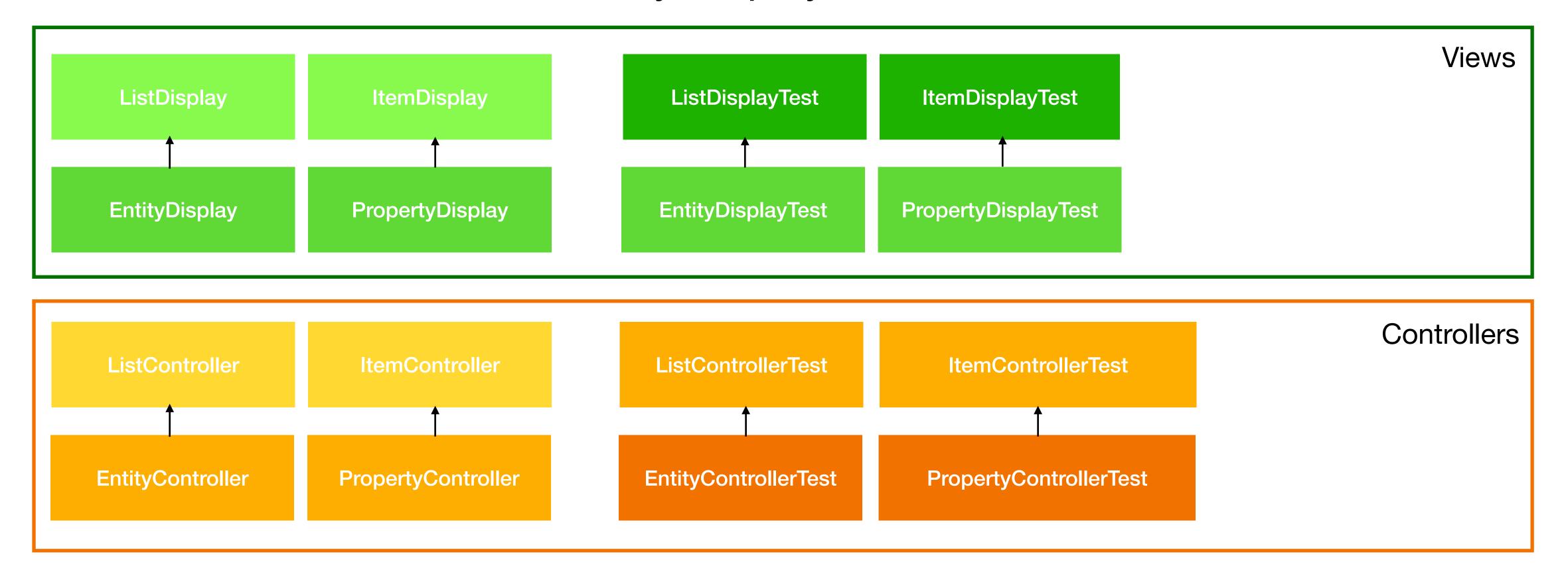


Classes generated

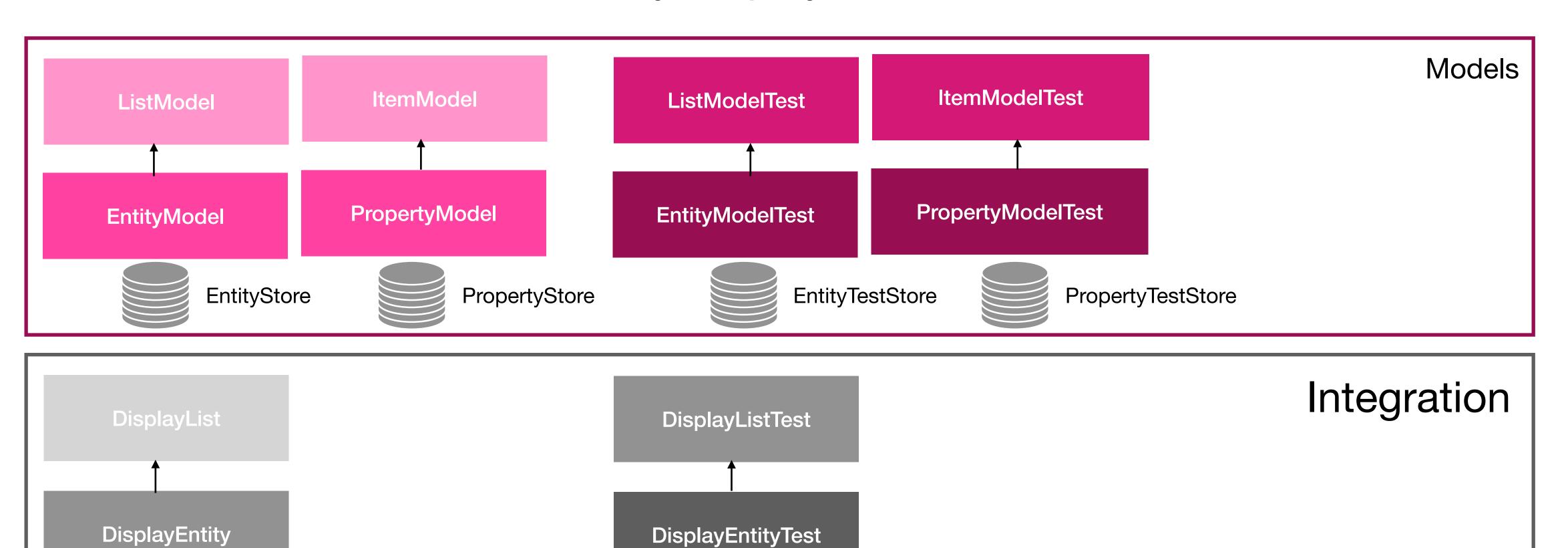
Entity Display Generators

ListDisplay	ItemDisplay	ListDisplayTest	ItemDisplayTest	Views
ListController	ItemController	ListControllerTest	ItemControllerTest	Controllers
ListModel	ItemModel	ListModelTest	ItemModelTest	Models
DisplayList		DisplayListTest		Integration

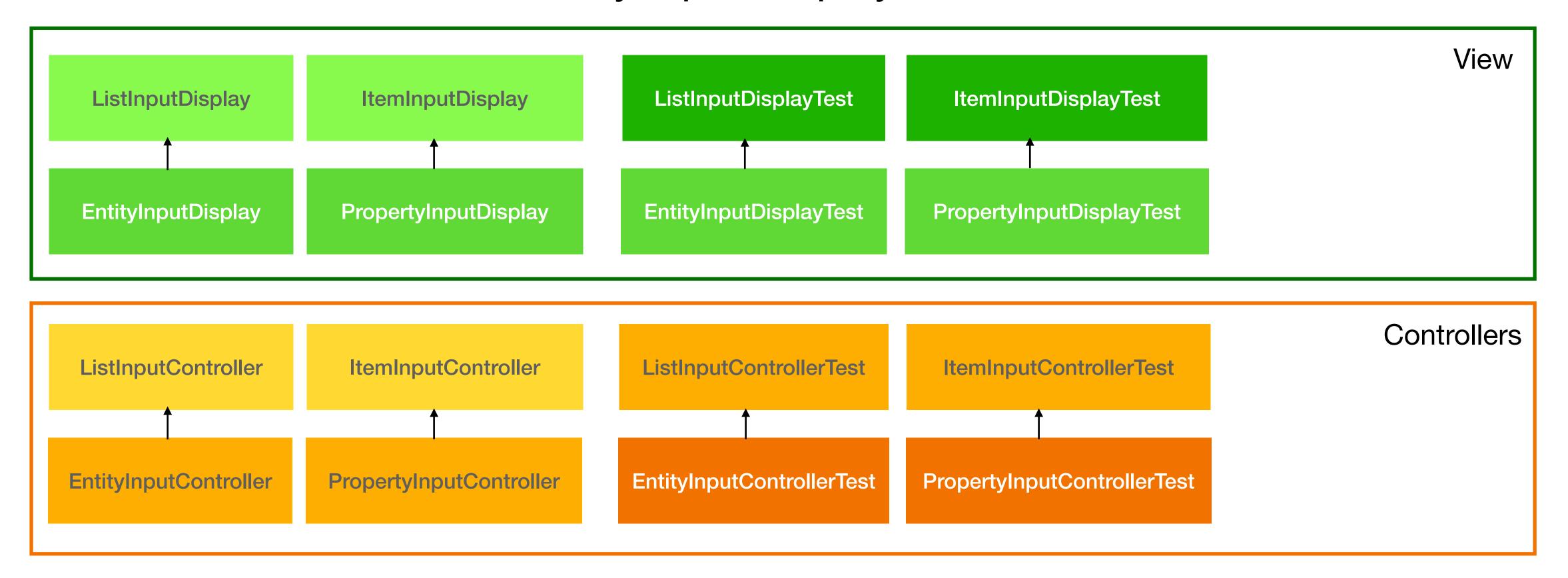
Entity Display Generators



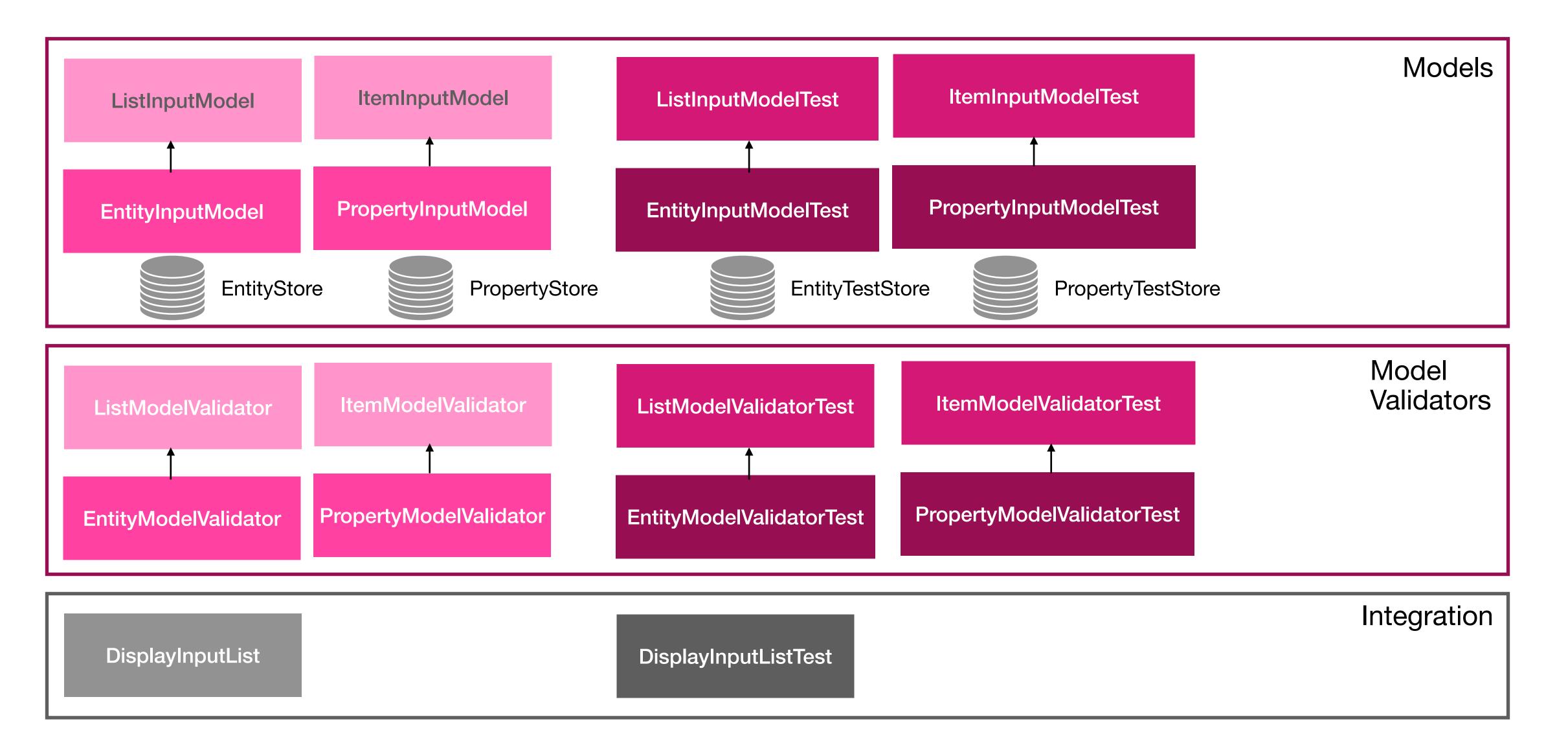
Entity Display Generators



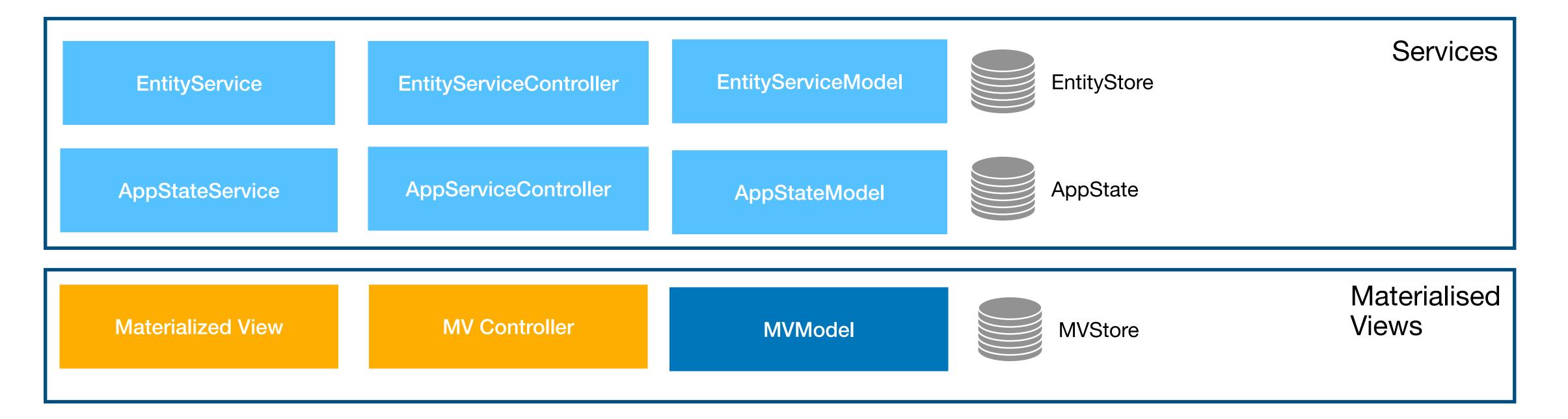
Entity Input Display Generators



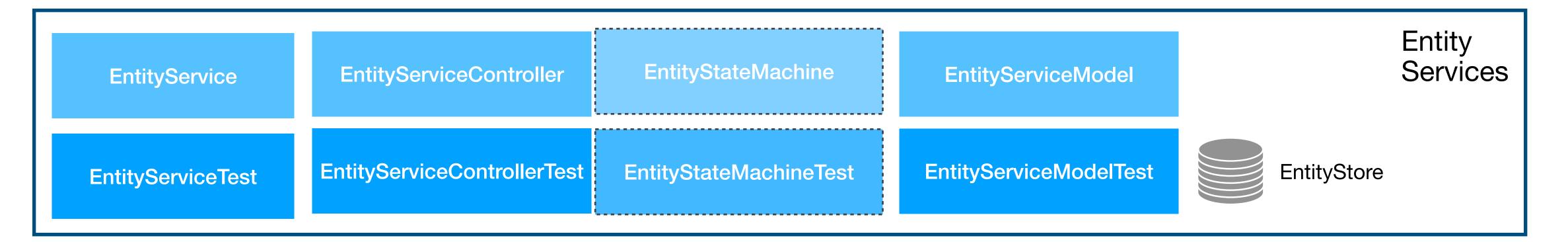
Entity Input Display Generators



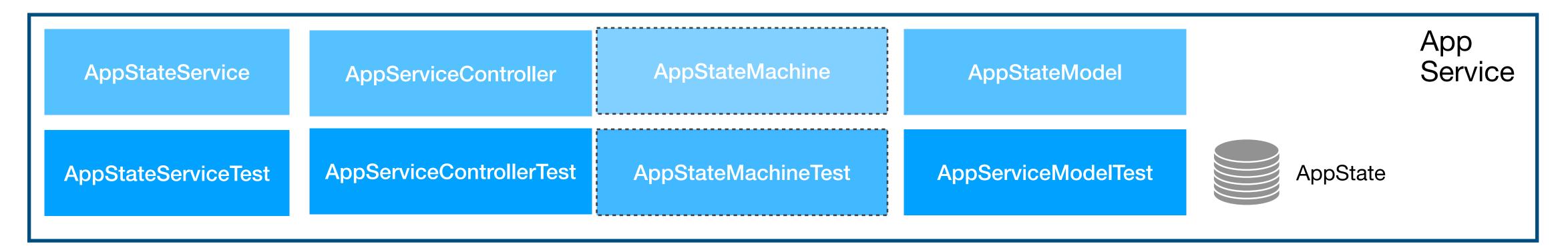
Services & Materialized Views



Entity Services



App Service

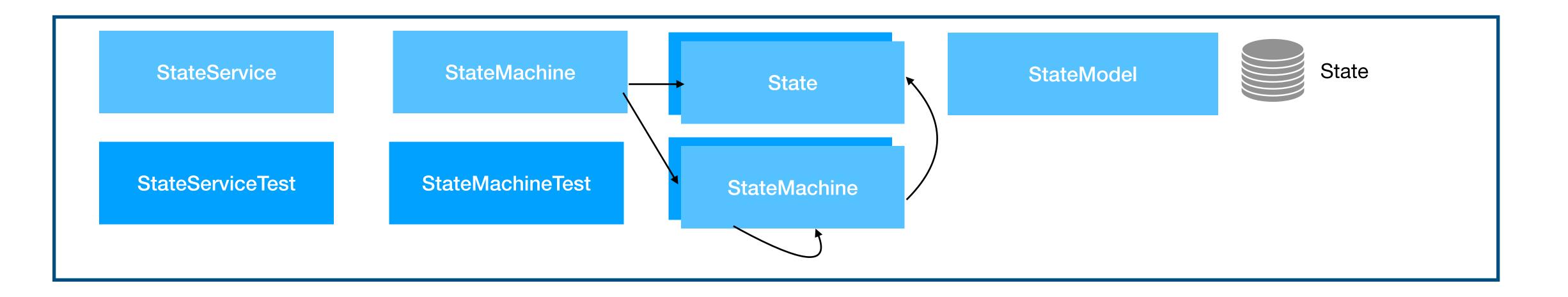


The State Machine:

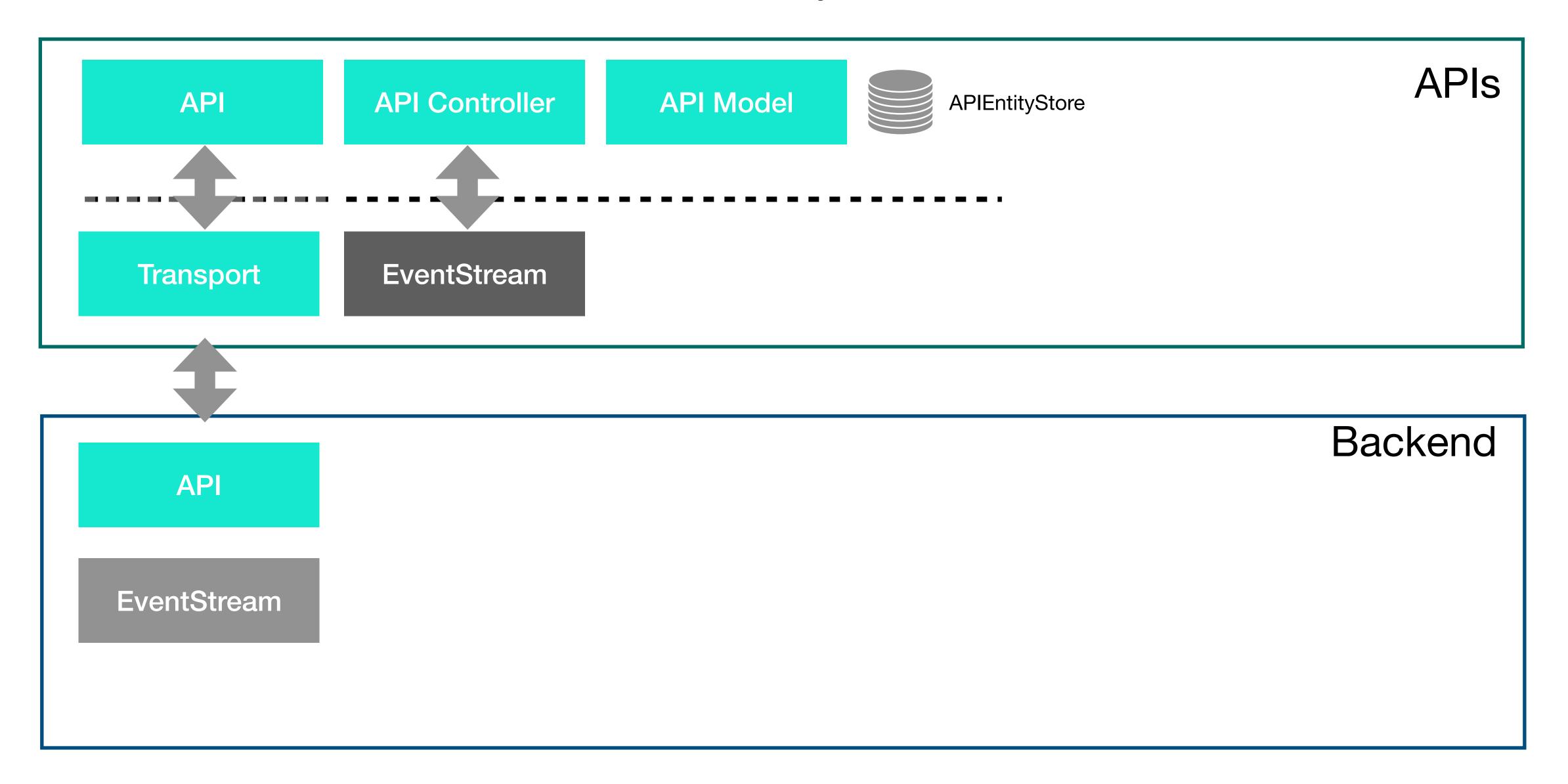
- contains the Business Logic to transition from one state to the next
- acts as a controller

The ServiceController that may contain a State Machine to control more complex state transition logic

State Machines

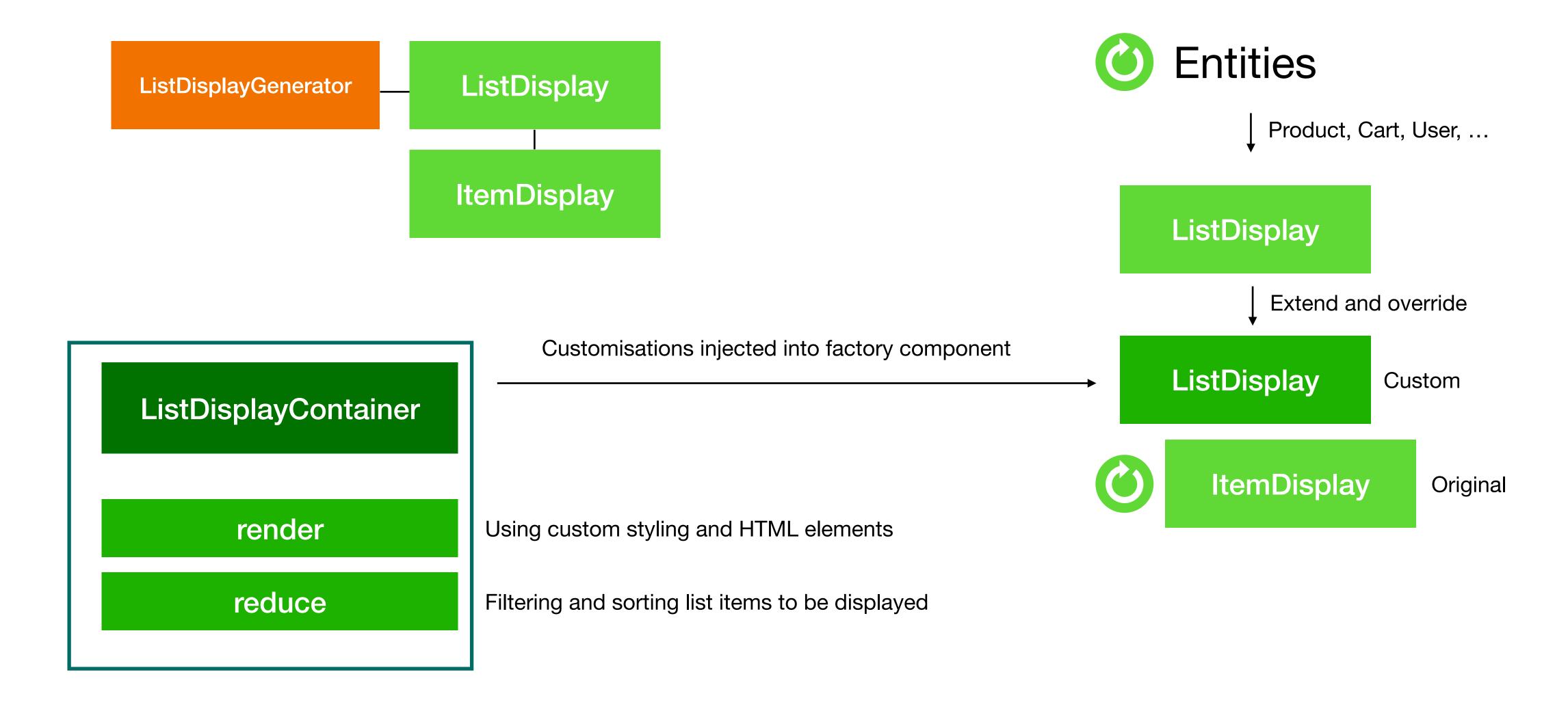


Entity APIs

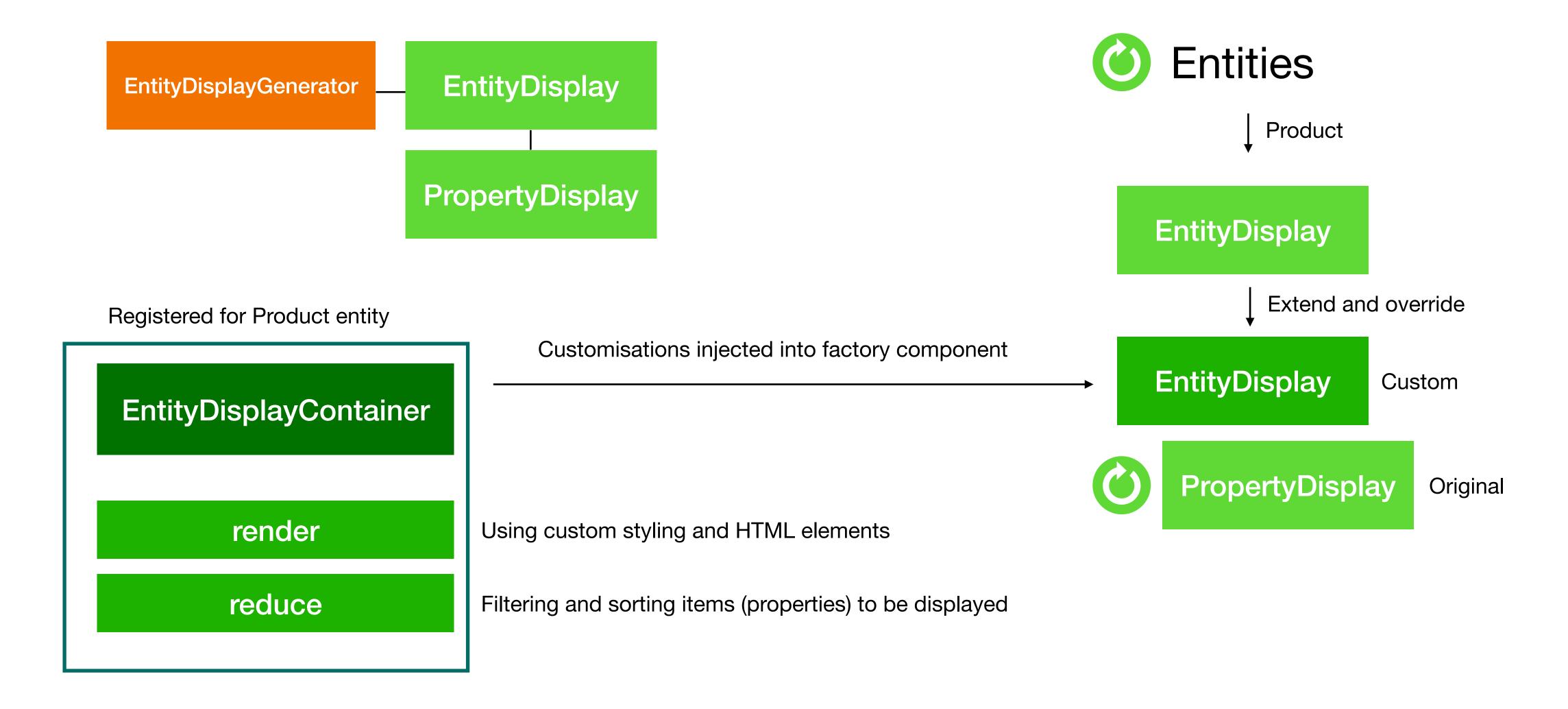


Application Customisations

Customizing all List Displays



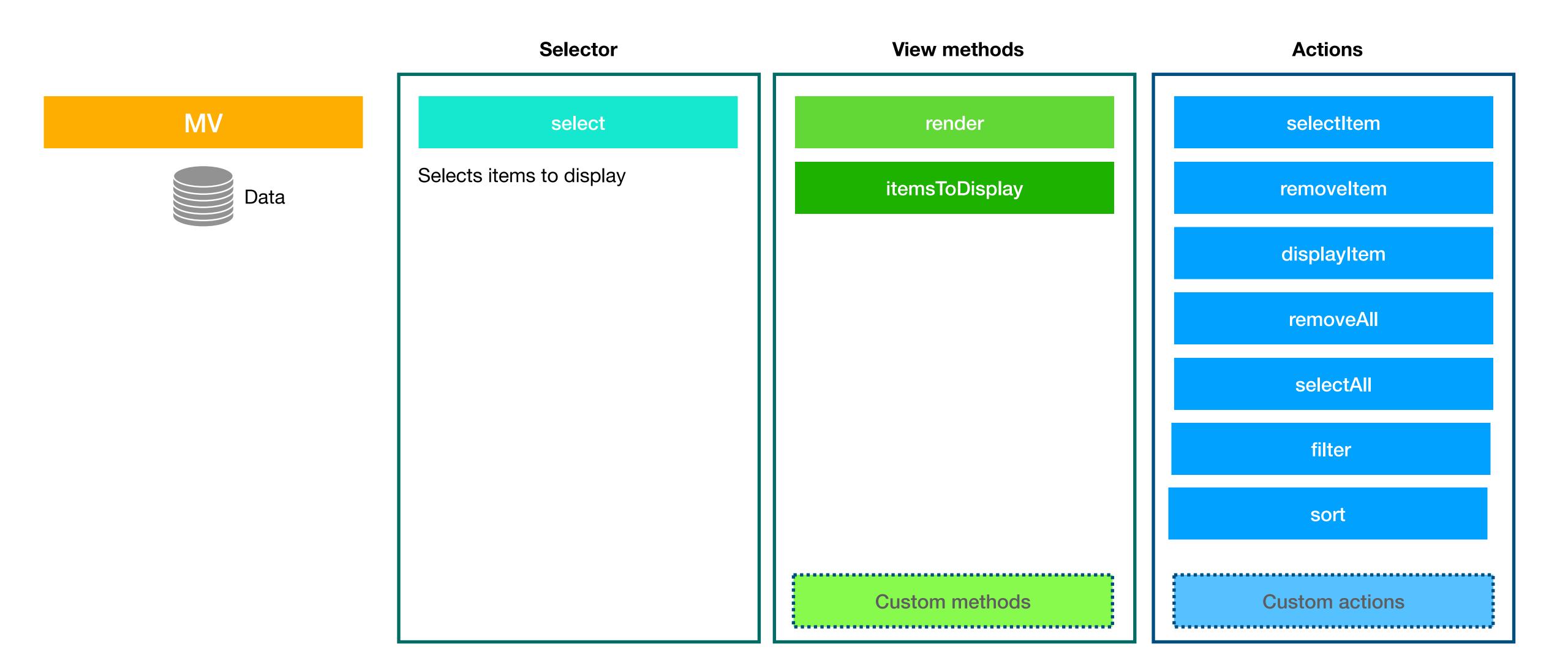
Customising specific Entity Displays



View hooks for specialisation

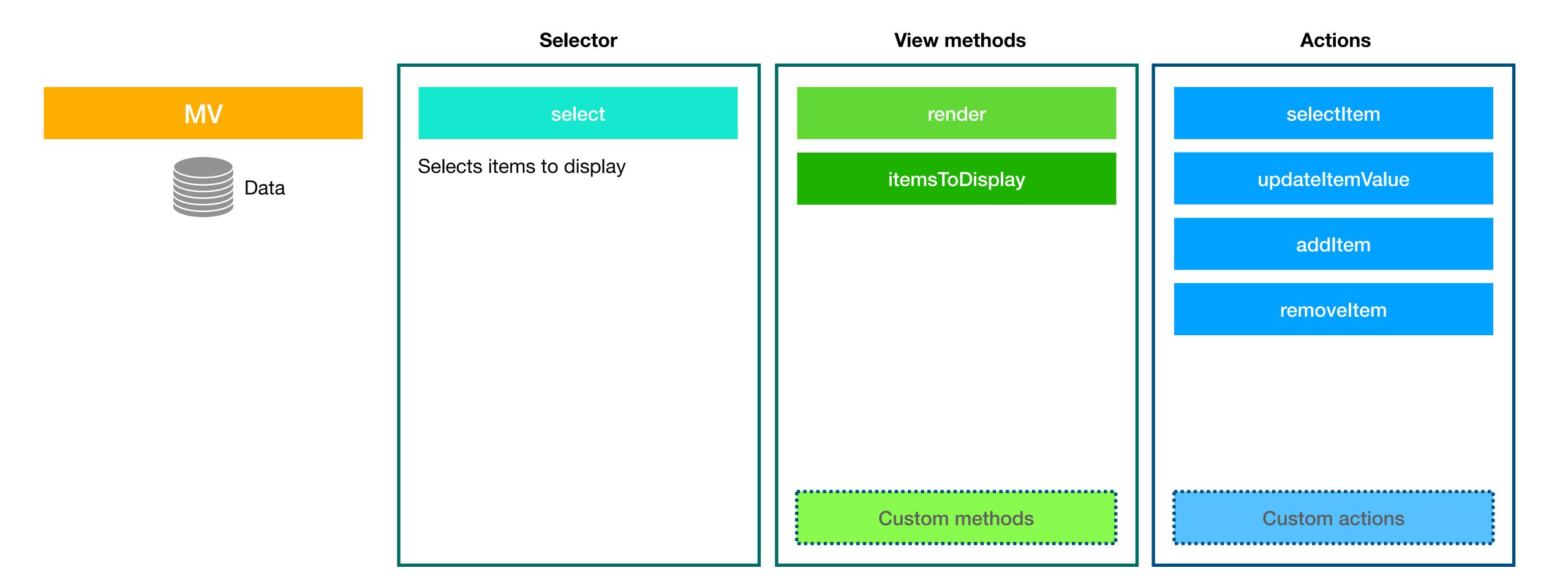
List Display

Displays list of entities or the properties of a single entity



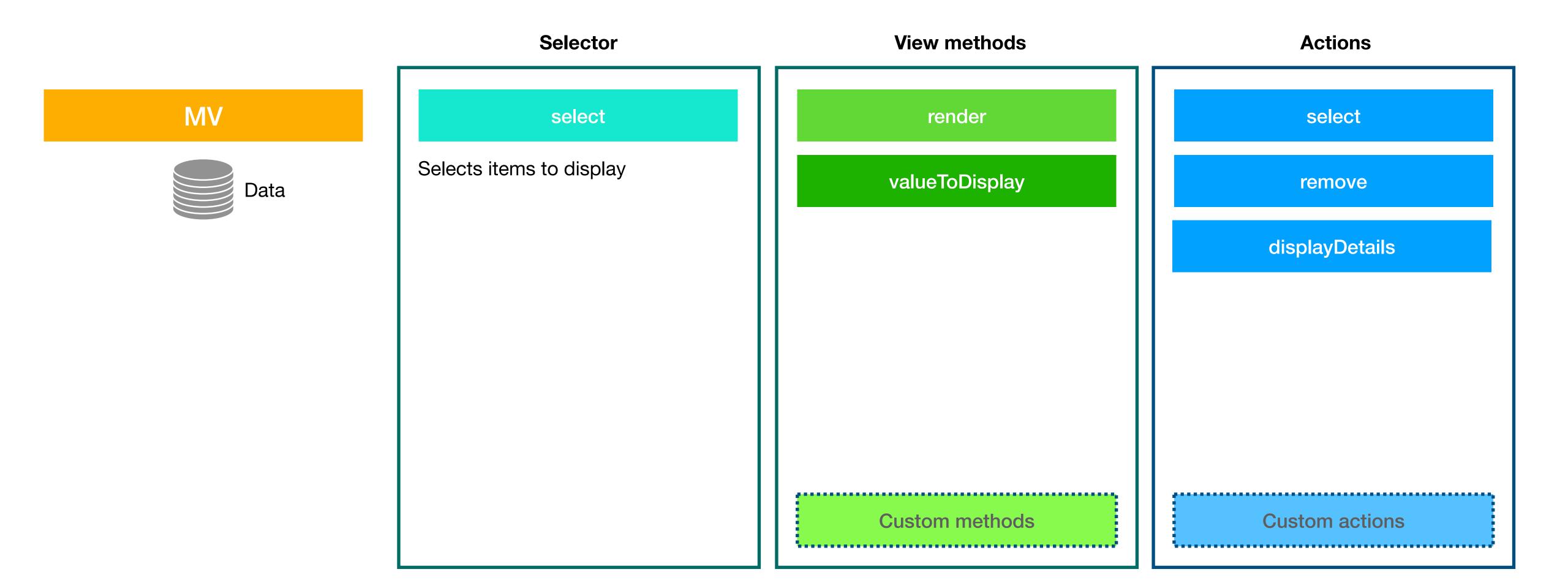
Input List Display

Displays list of entity properties to edit (create, update or delete)



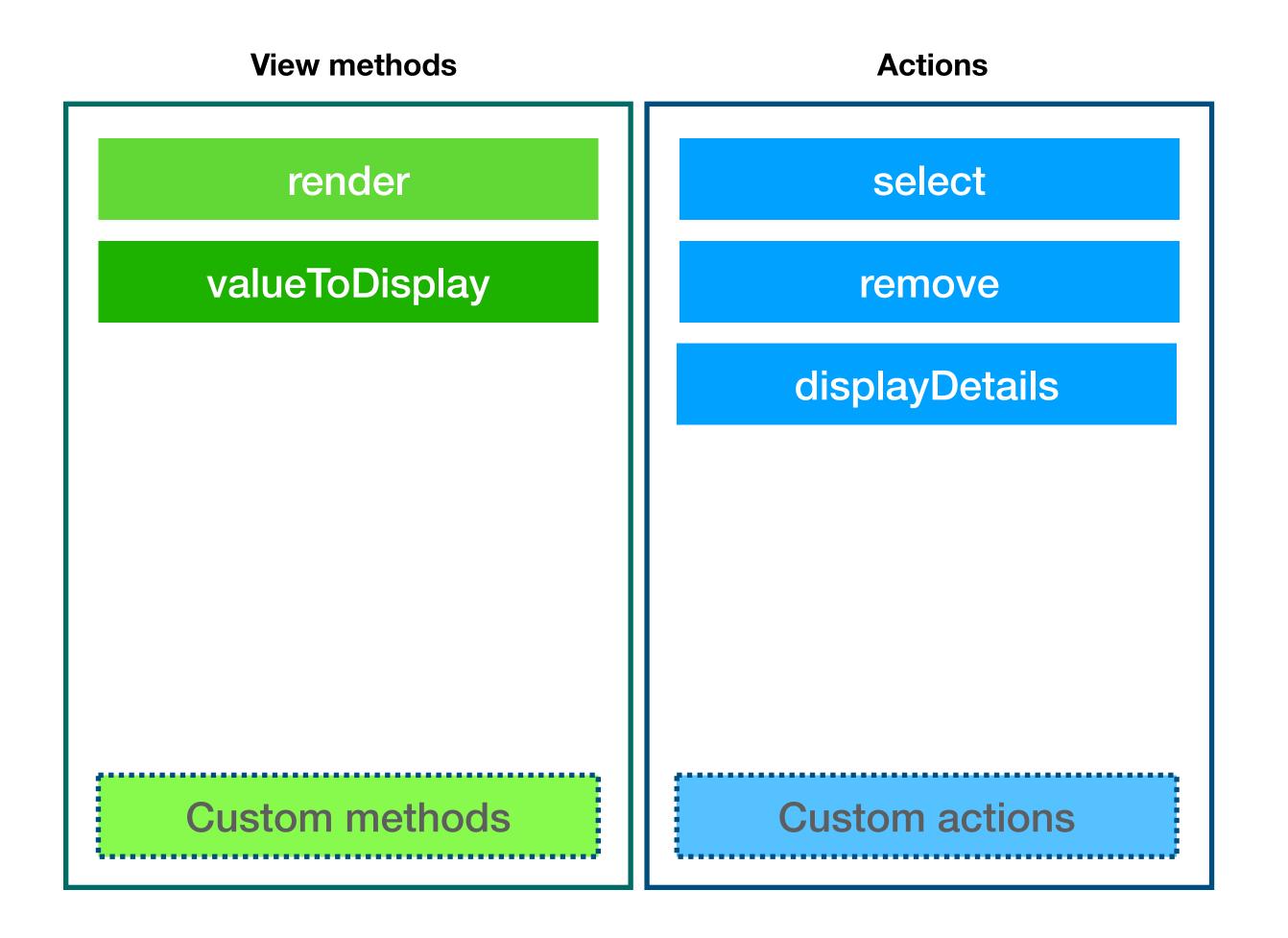
Item Display

Displays single value, typically an entity property



Item Display

Rendered and Managed by List Display (acting as a Materialized view)



Input Item Display

Rendered and Managed by List Input Display (acting as a Materialized view)

