

SAPUI5 Nested Components

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SAP[®] Mentors

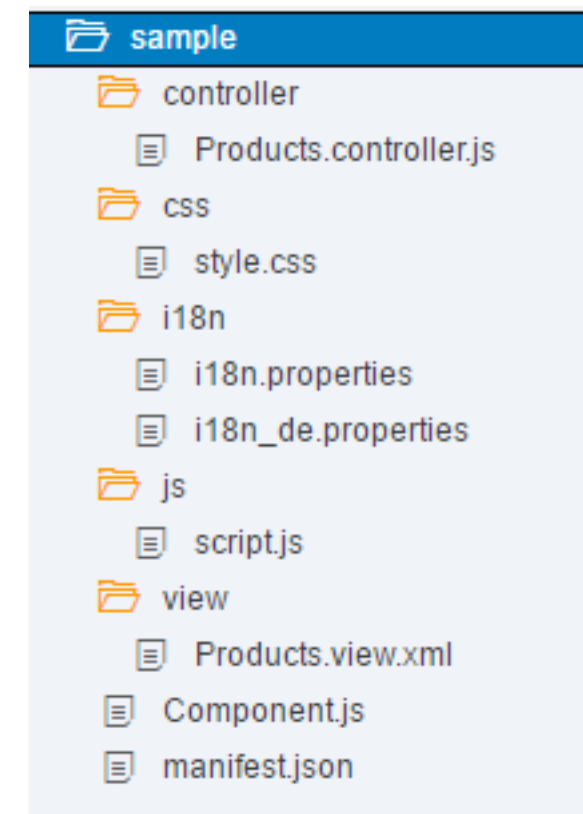
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#MasteringSAP



SAPUI5 Components

- Components are independent and reusable parts used in SAPUI5 applications.
- An application can use components from different locations from where the application is running.
- Thus, components can be developed by different development teams and be used in different projects.
- Components also support the encapsulation of closely related parts of an application into a particular component.
- This makes the structure of an application and its code easier to understand and to maintain.



Filter   

- > What's New in SAPUI5
- > Read Me First
- > Get Started: Setup, Tutorials, and Demo Apps
- ▼ Essentials
 - > Bootstrapping: Loading and Initializing
 - ▼ Structuring: Components and Descriptor
 - ▼ Components
 - > Component.js File
 - Using and Nesting Components
 - Declarative API for Initial Components
 - Handling IDs in UI Components
 - The Owner Component
 - Advanced Concepts for SAPUI5 Components
 - > Descriptor for Applications, Components, and Libraries (manifest.json)
 - > Model View Controller (MVC)
 - > Data Binding
 - > Reusing UI Parts: Fragments

Components

Components are independent and reusable parts used in SAPUI5 applications.

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Note

Constraints due to cross-origin issues also apply to components.

SAPUI5 provides the following two types of components:

- Faceless components (class: `sap.ui.core.Component`)

Faceless components do **not** have a user interface and are used for coding where no UI elements are needed. Please consider that a faceless component can't be added to a `ComponentContainer`. For more information, see the API Reference: [sap.ui.core.ComponentContainer](#).

- UI components (class: `sap.ui.core.UIComponent`)

UI components extend components and add rendering functionality to the component. They represent a screen area or element on the user interface, for example, a button or a shell, along with the respective settings and metadata. `sap.ui.core.UIComponent` extends `sap.ui.core.Component` and adds rendering functionality to the component.

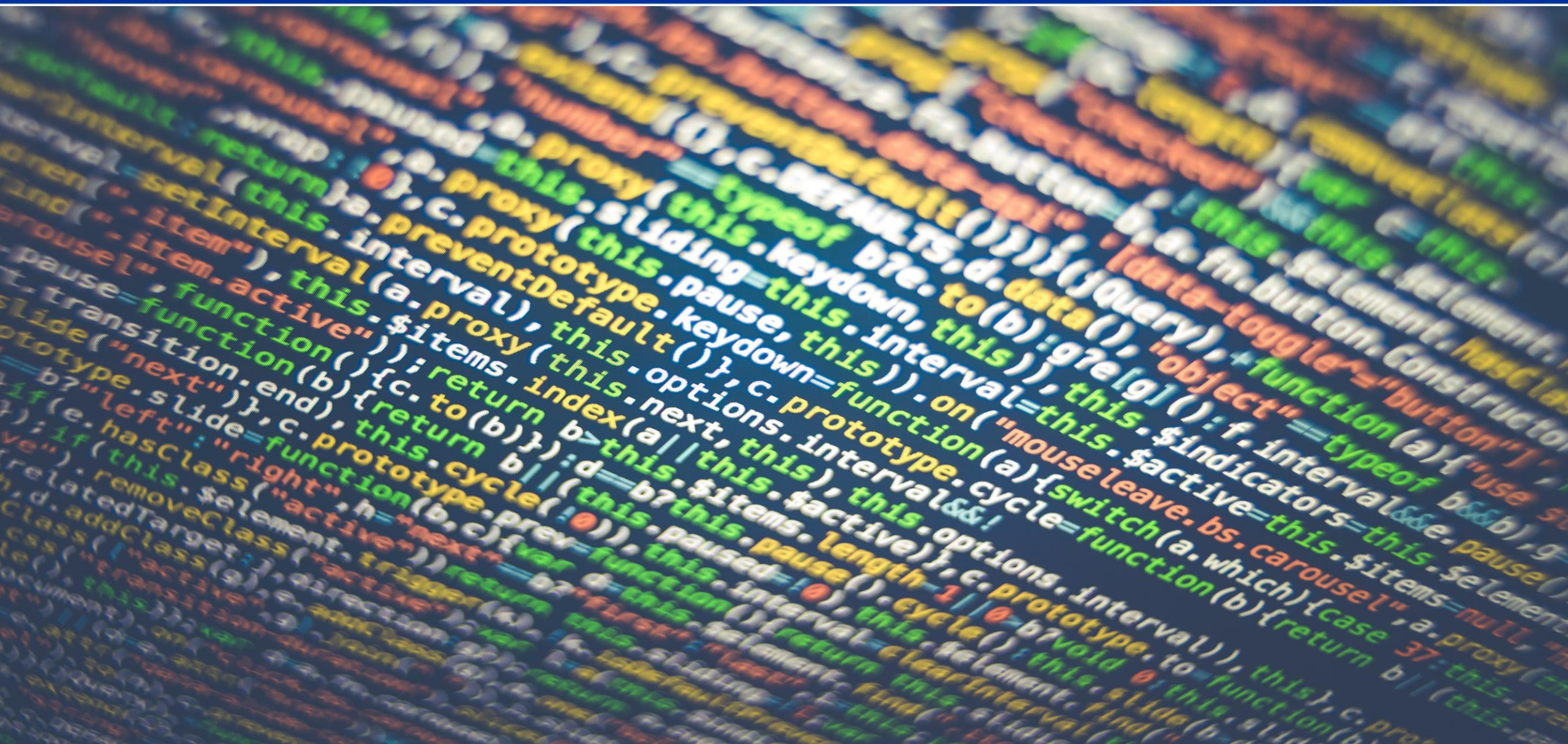
The `sap.ui.core.Component` class is the base class and provides the metadata for both types of components. To extend the functionality, components can inherit from their base class or from another component.





<https://github.com/grahamrobbo/MST2023>

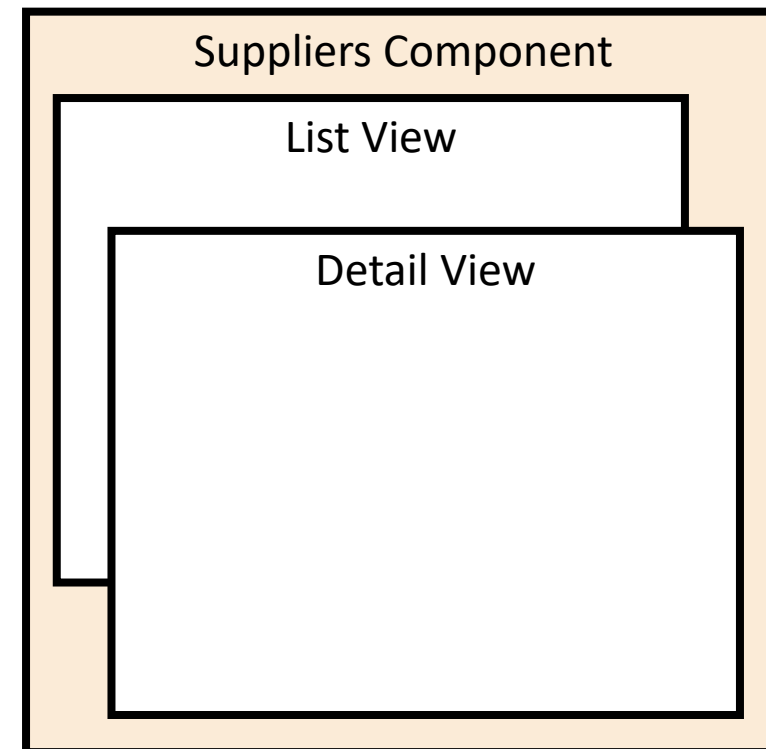
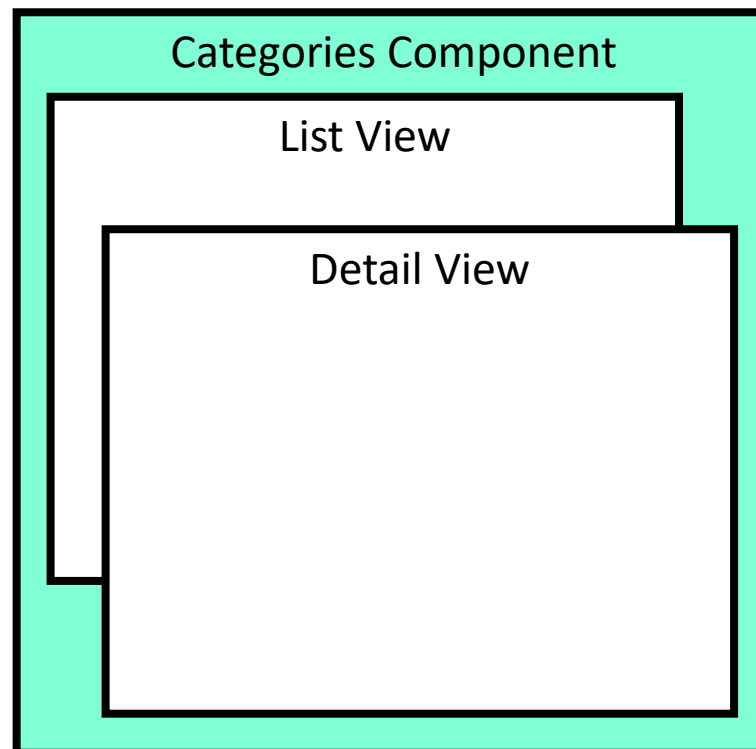
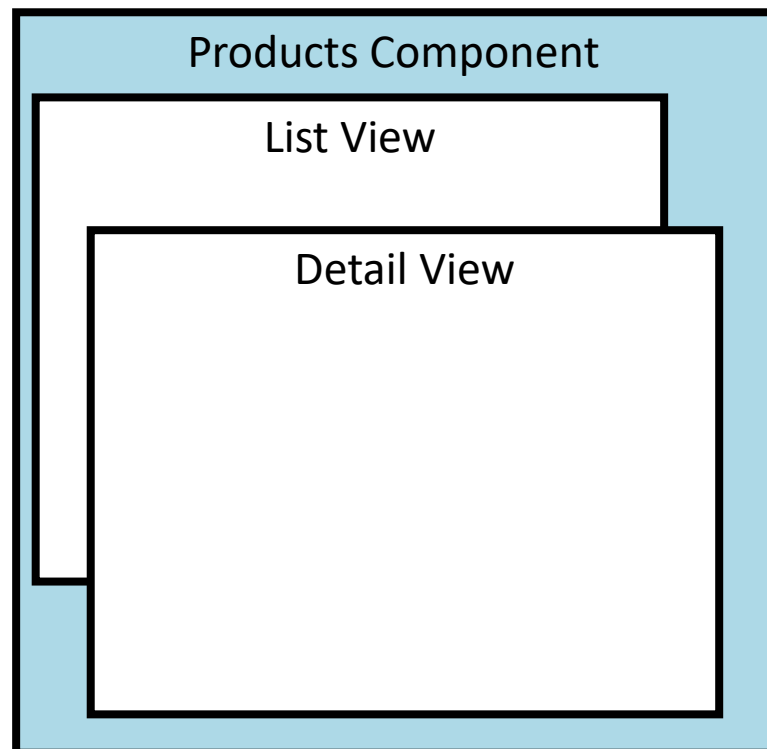


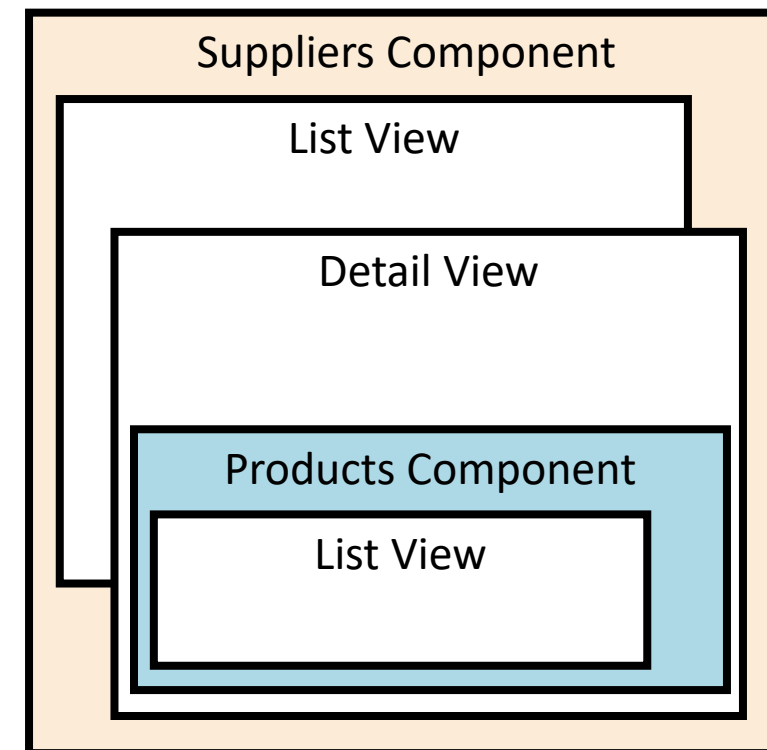
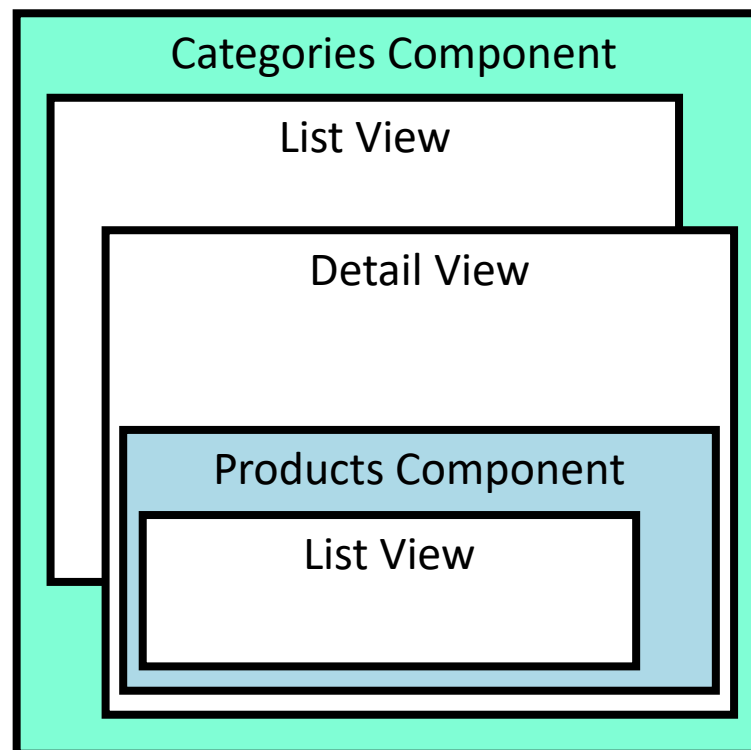
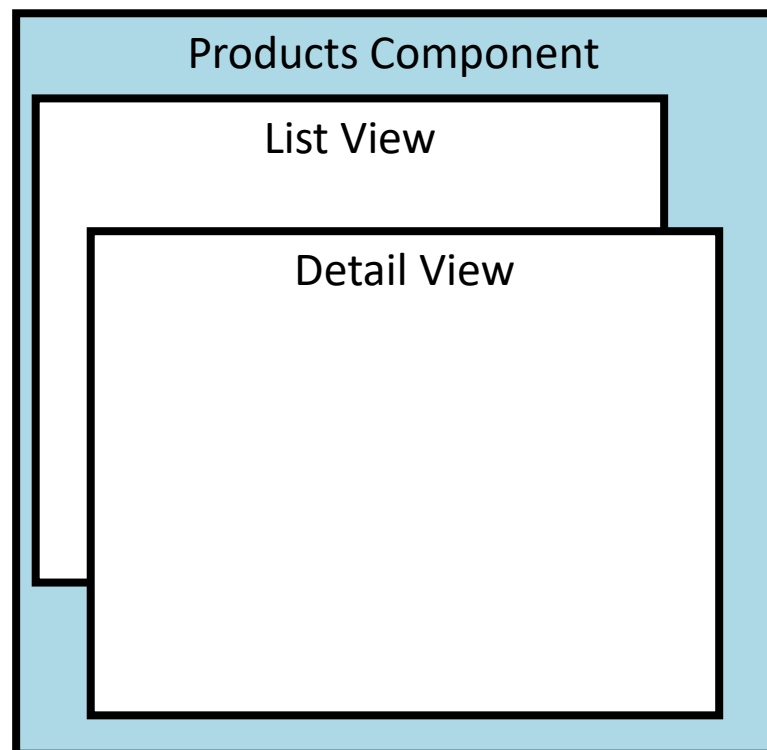


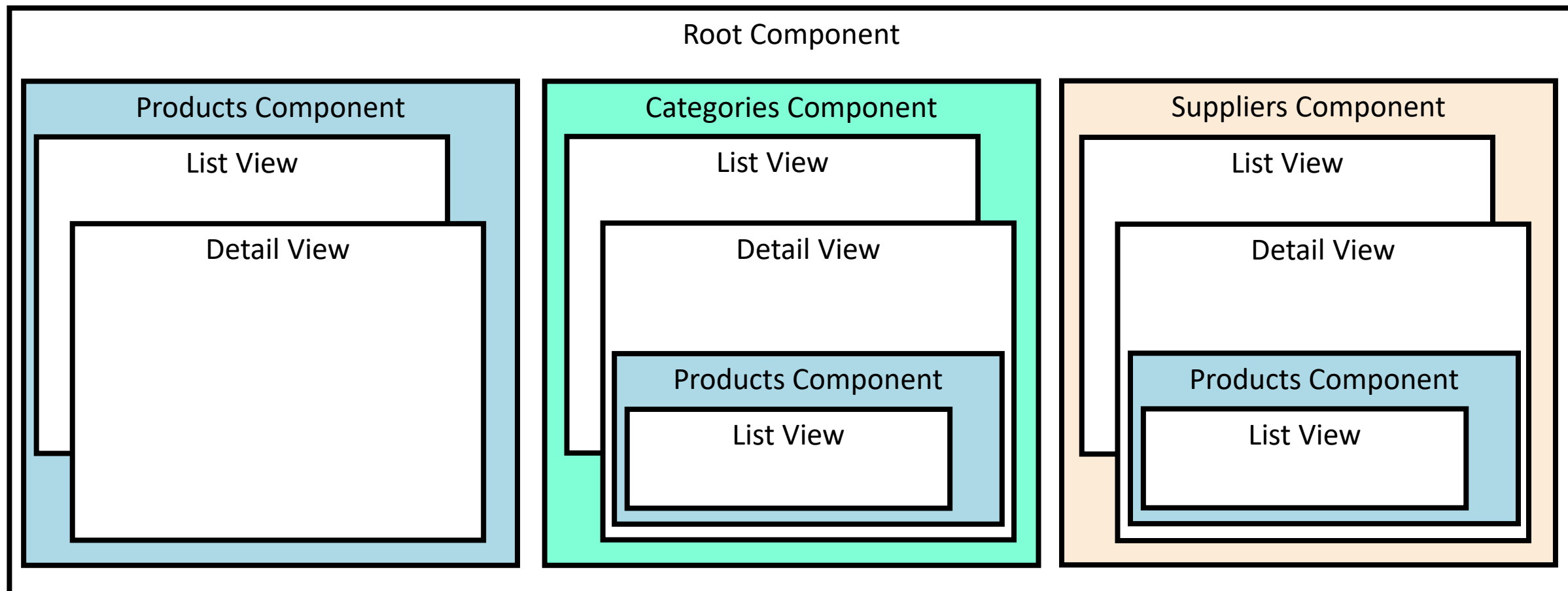


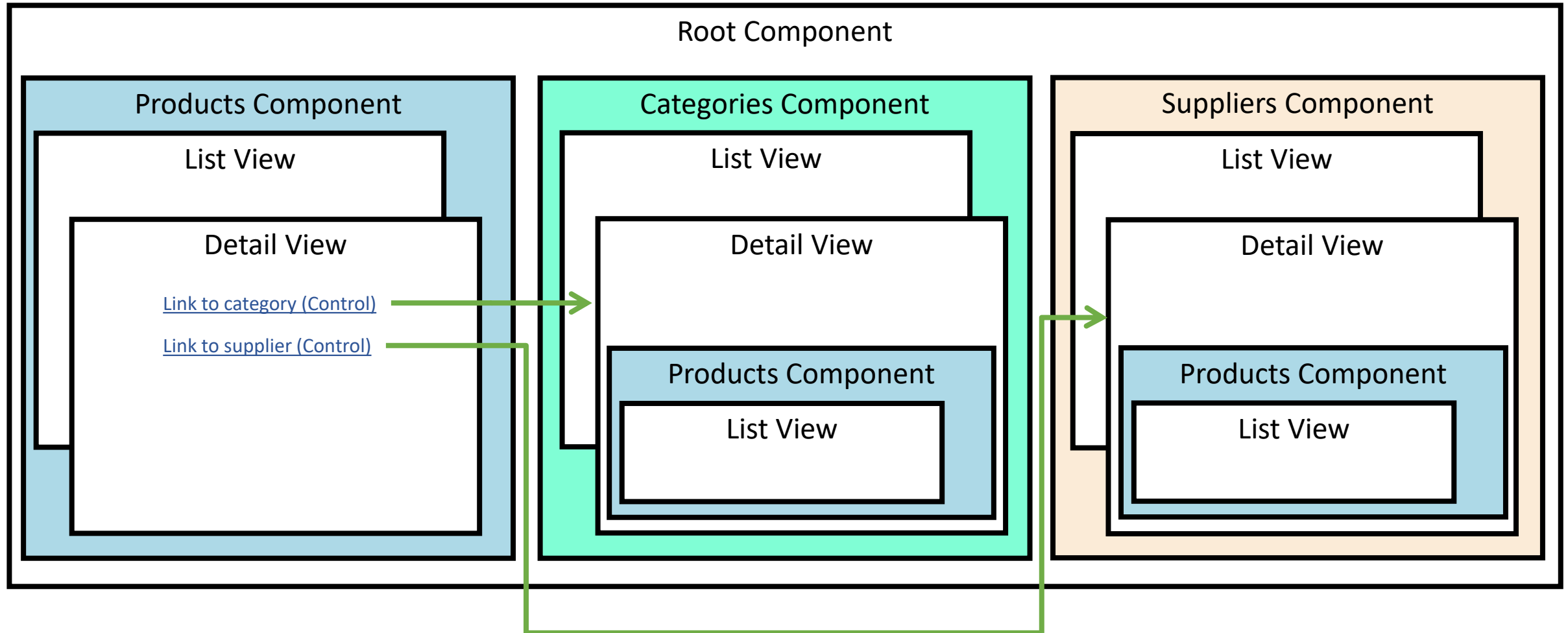
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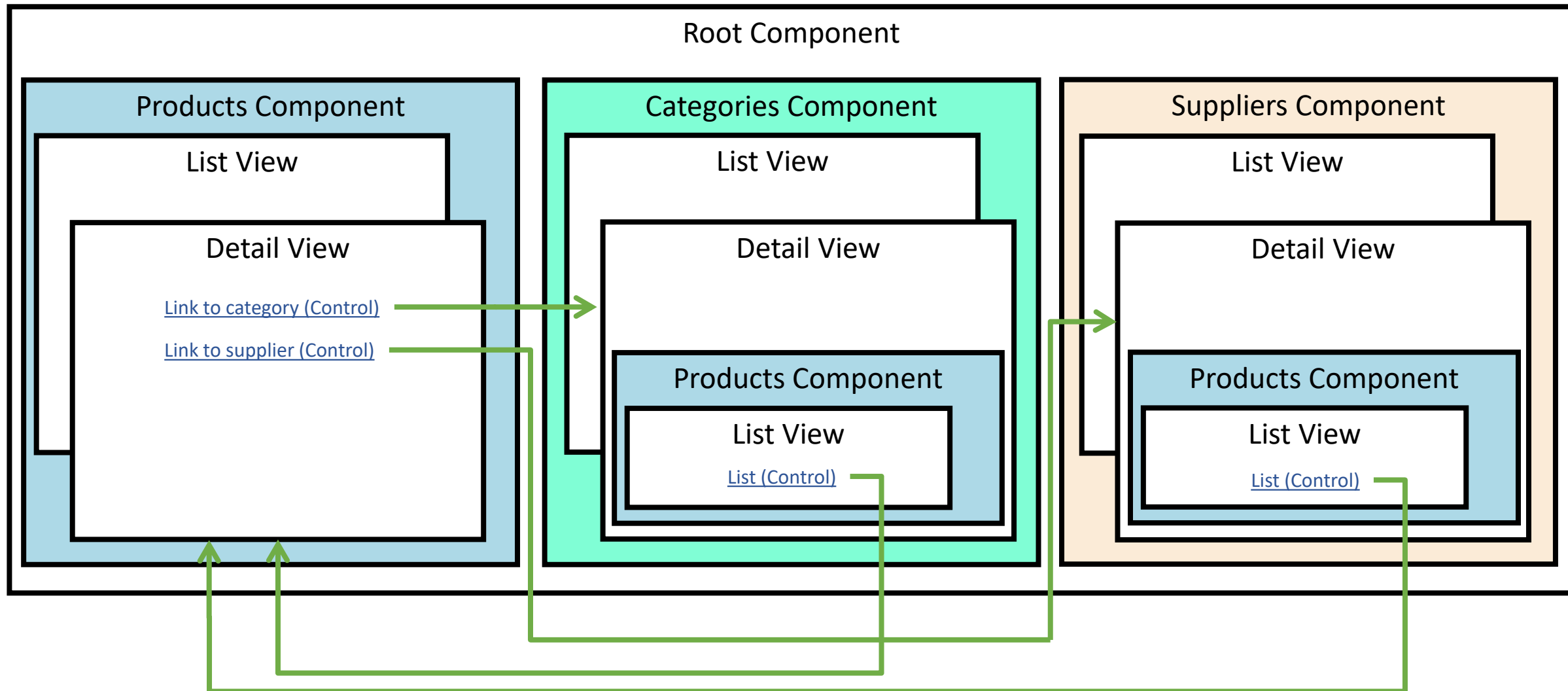












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<https://github.com/grahamrobbo/MST2023>



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**Photo by Martin Gillet*