

SAPUI5 Nested Components

Graham Robinson
Yelcho Systems Consulting

MASTERINGSAP

An SAPinsider Company

7 - 8 June, 2023

Crown Promenade, Melbourne



Yelcho
Systems Consulting

Graham Robinson
Principal Consultant
Mobile +61 412 402 441
Email graham@yelcho.com.au



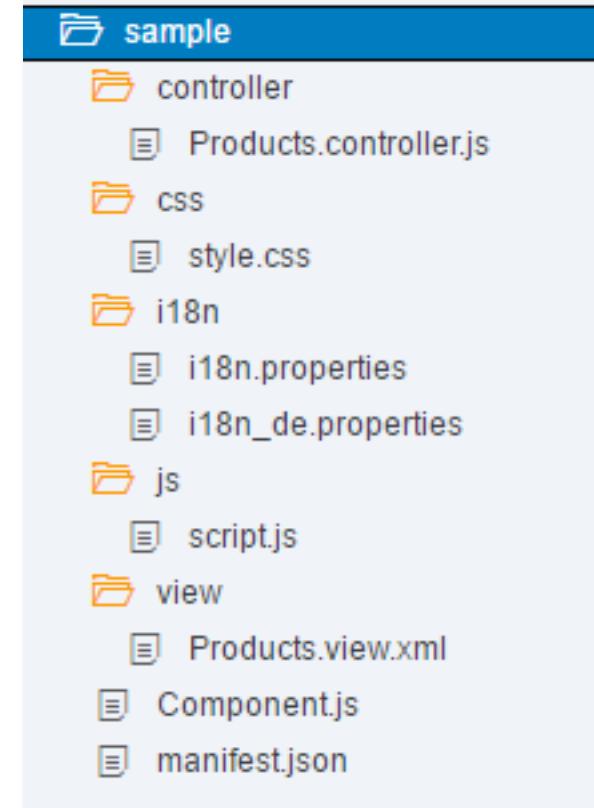
SAP® Mentors

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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.





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Components

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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.



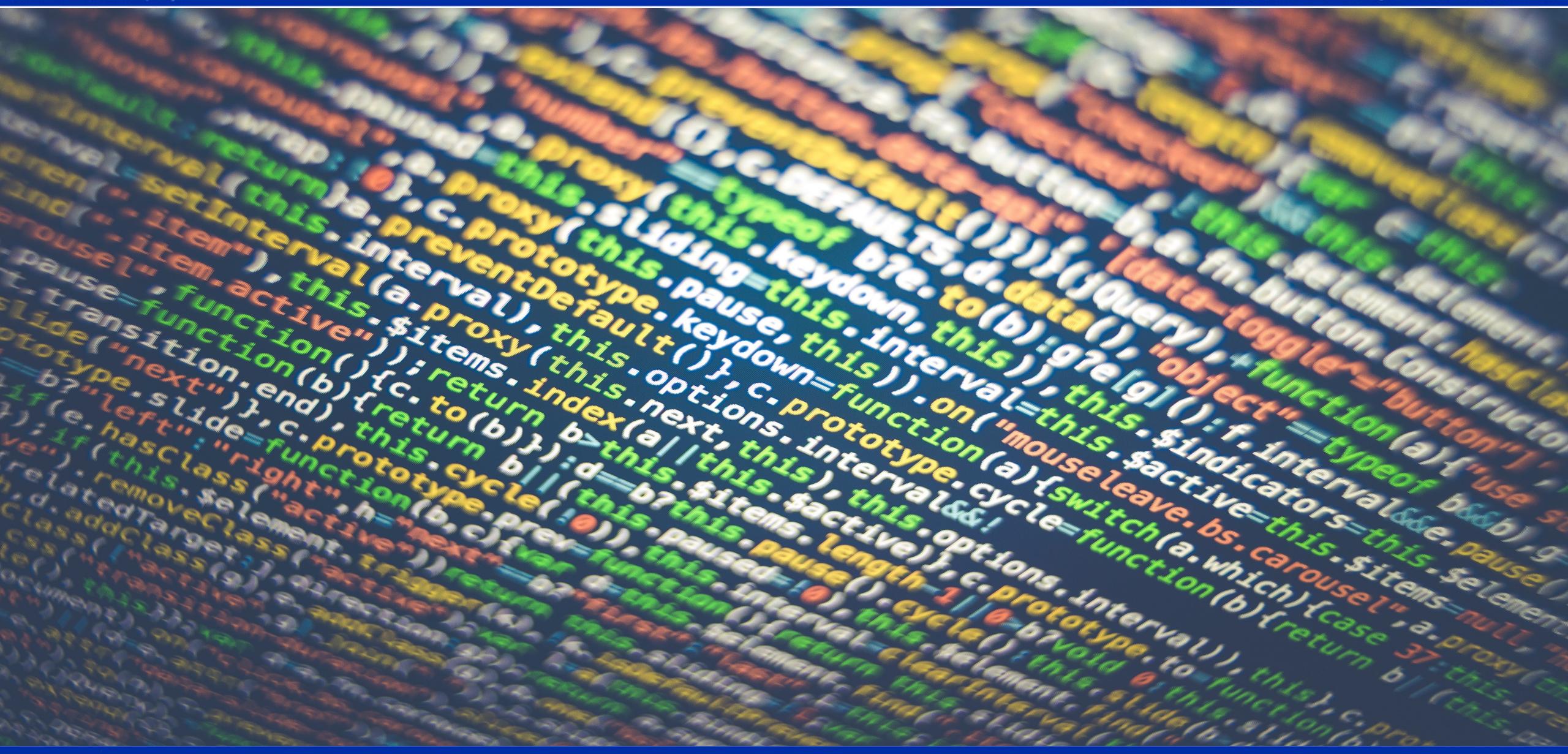


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<https://github.com/grahamrobb/MST2023>



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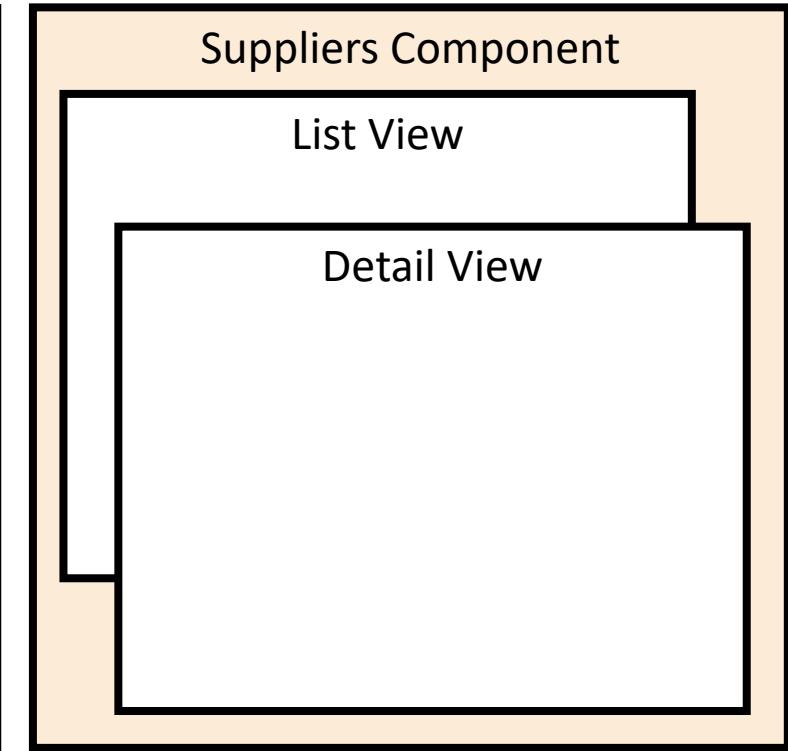
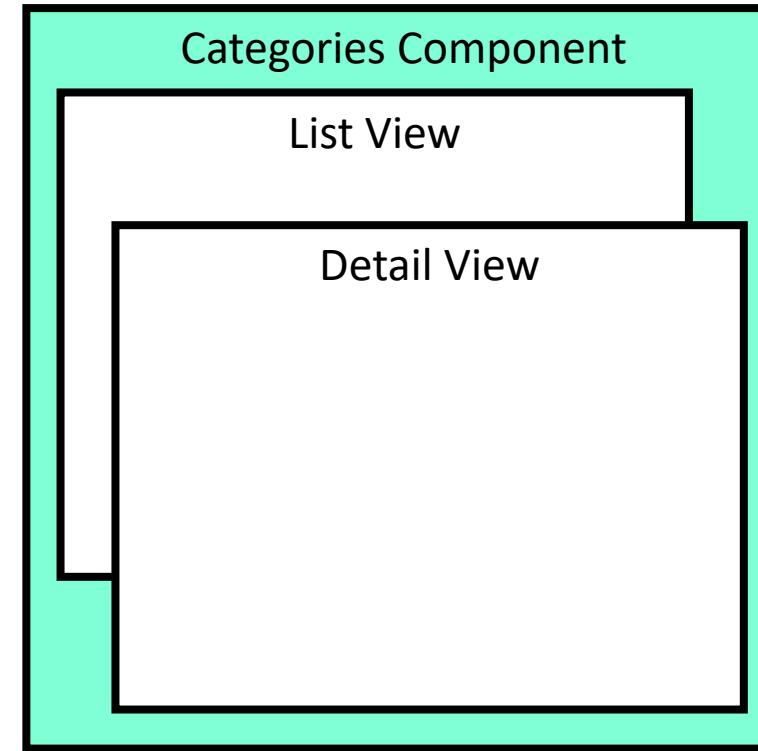
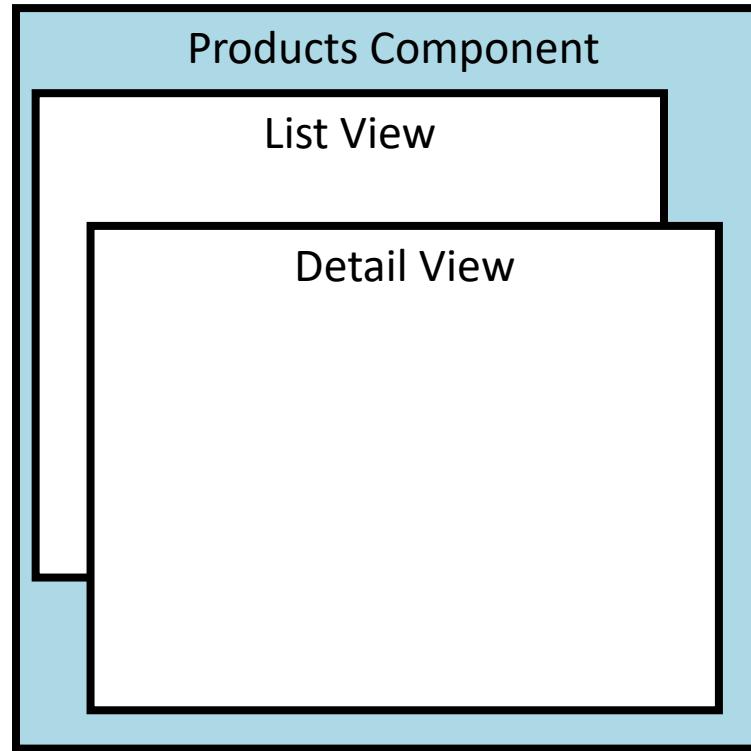
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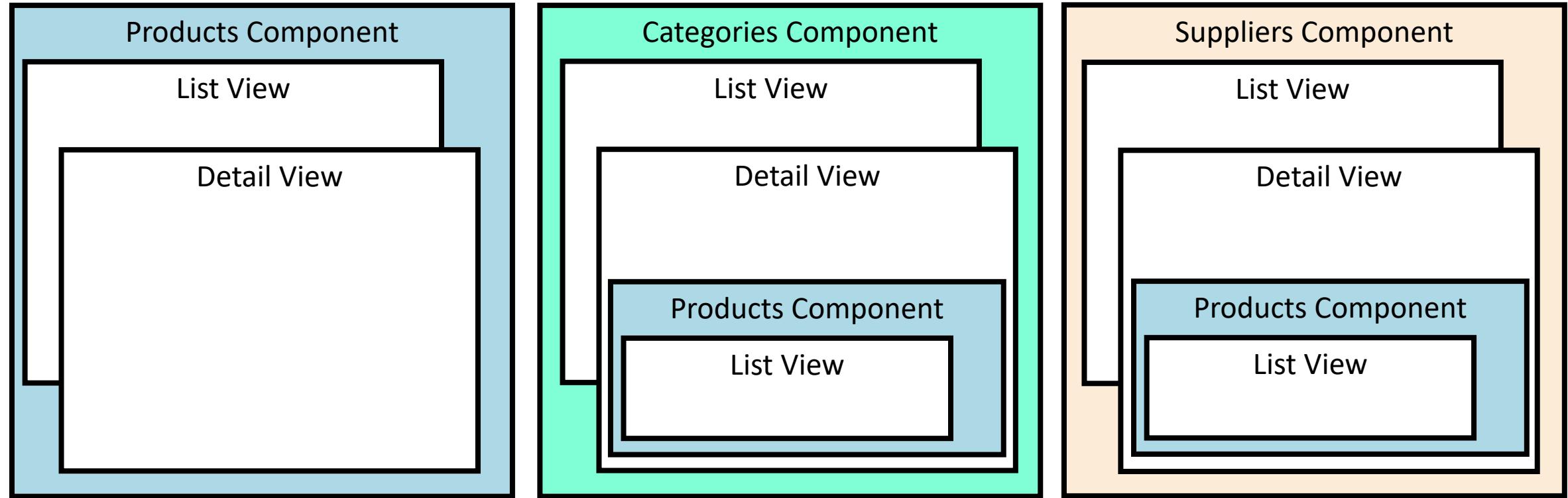


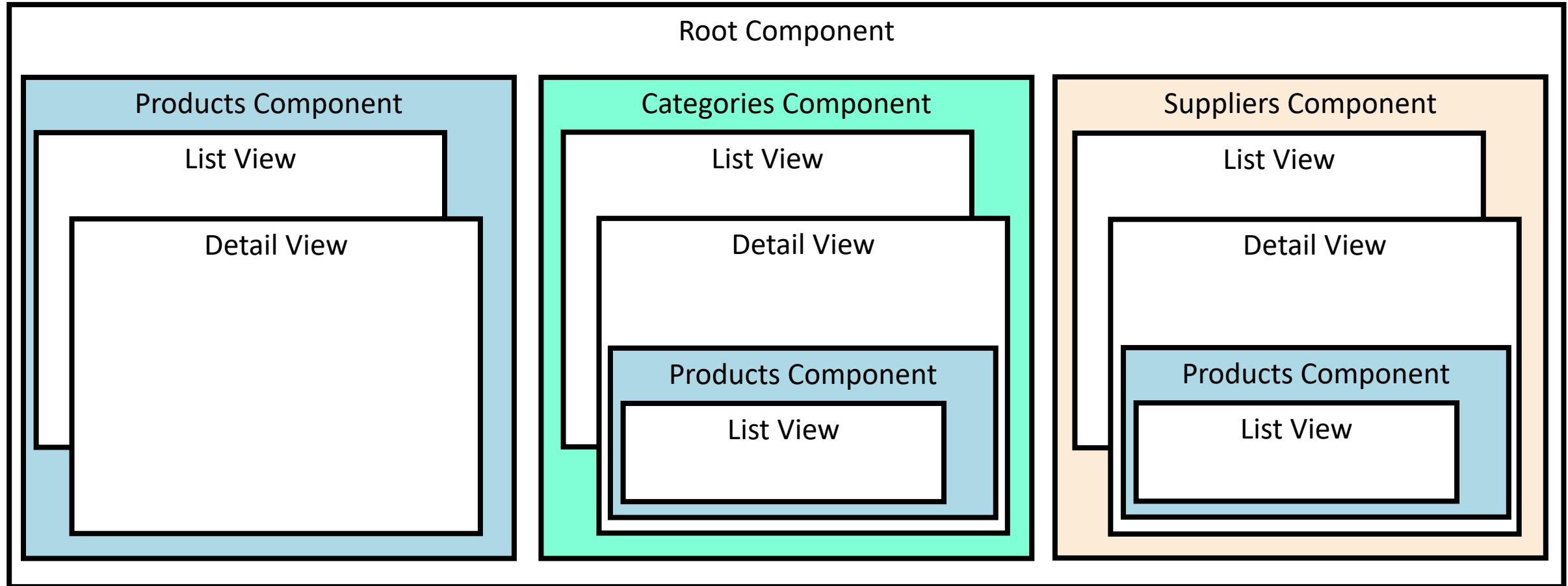


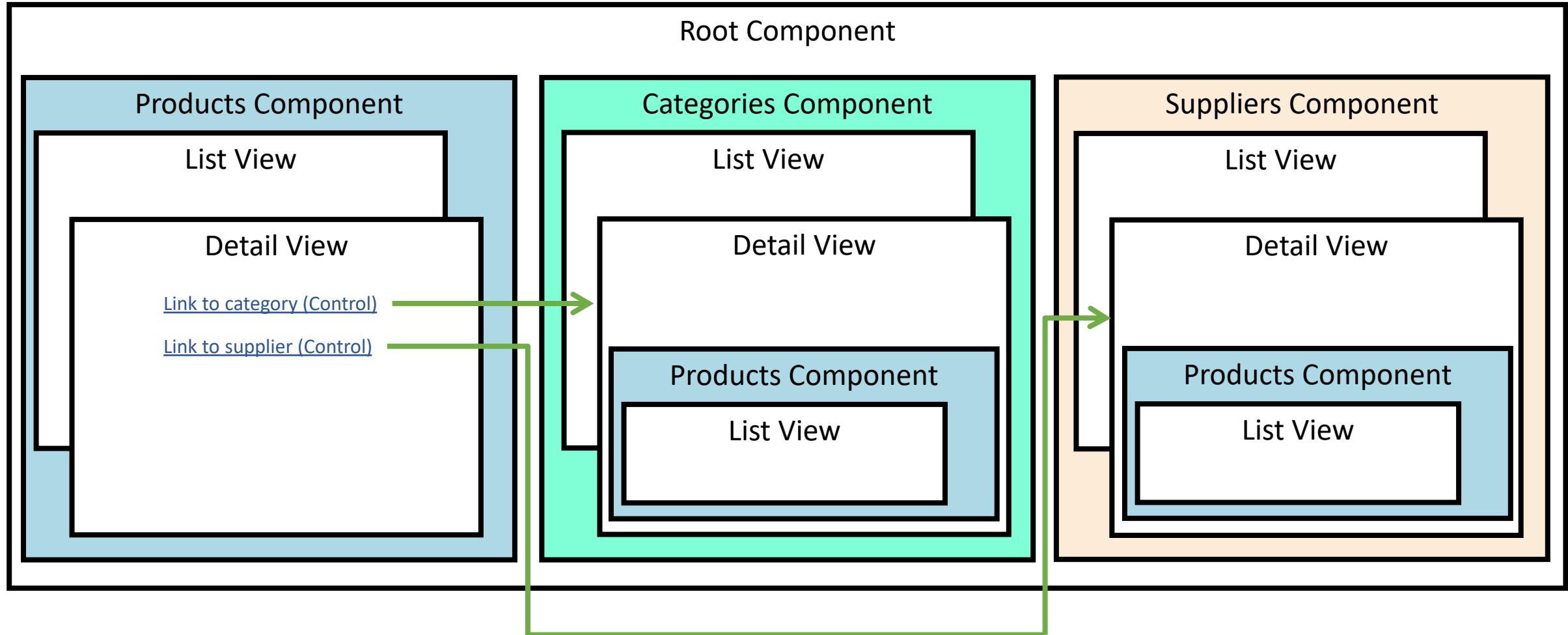
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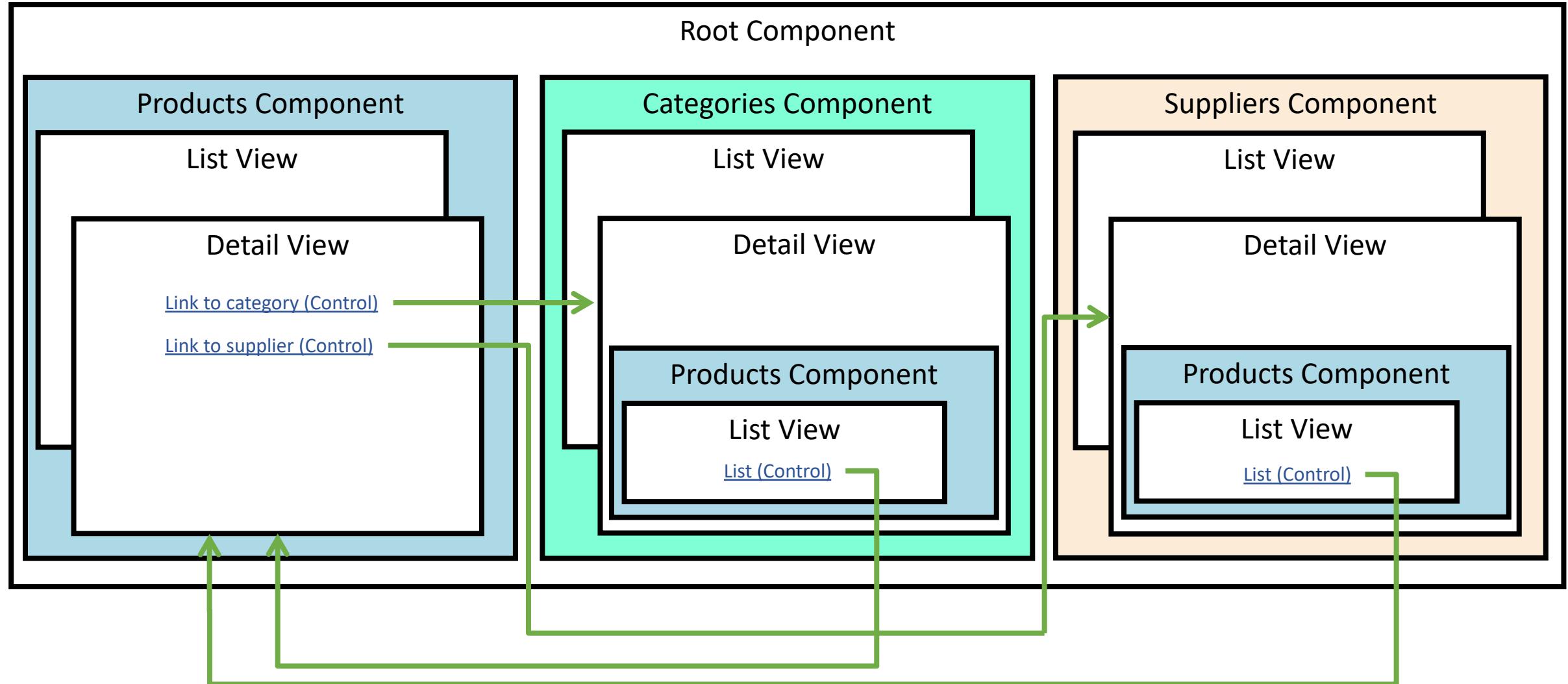














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How to Connect with Me

E: graham@yelcho.com.au

M: +61 412 402 441

Li: linkedin.com/in/grahamrobbo/

@grahamrobbo

*Photo by Martin Gillet