Planning the Application Architecture

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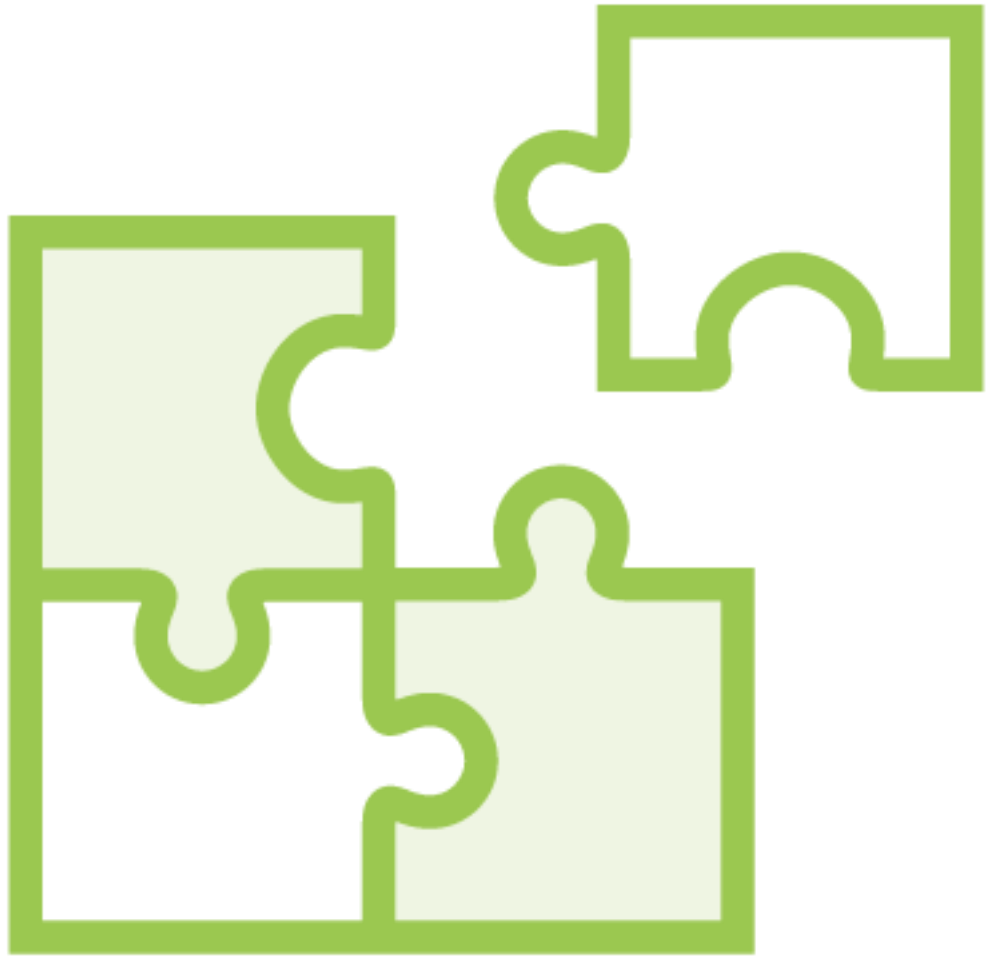
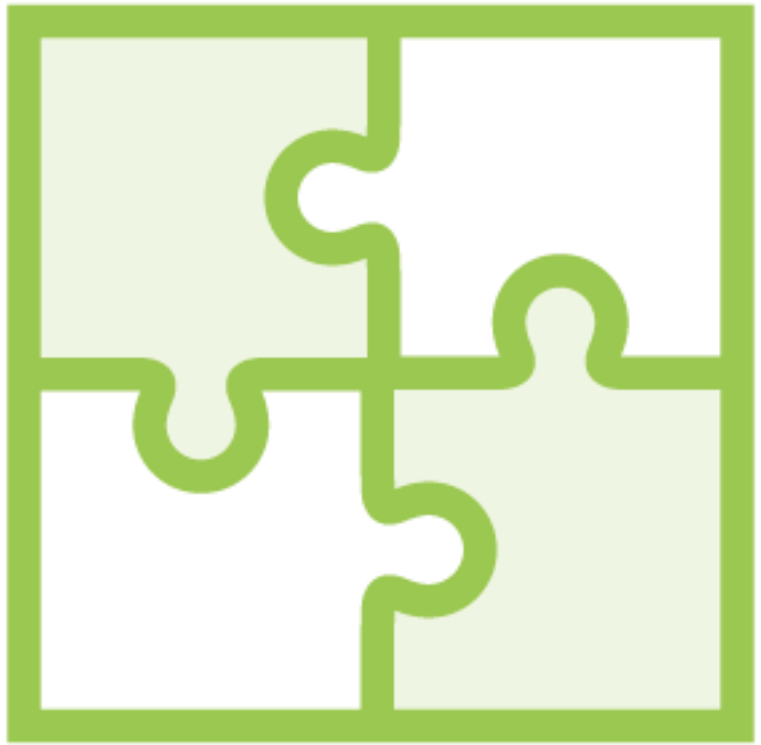




Module Overview

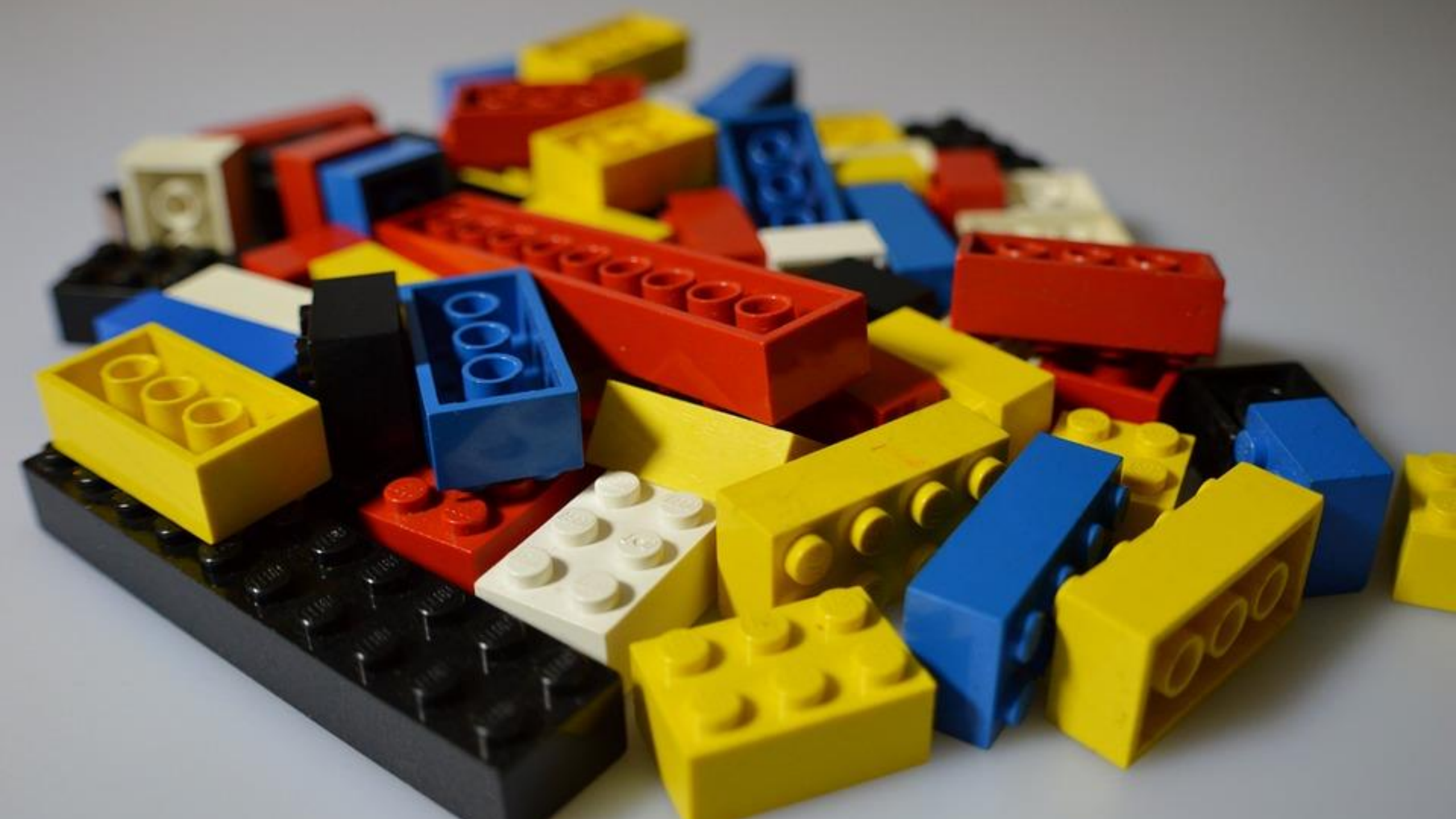
Architecture Considerations

Architecture Planning Template

The Angular Style Guide

Other Considerations

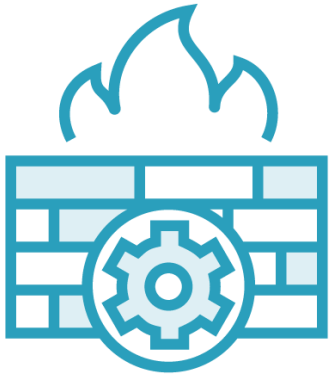
Architecture Considerations



Imagine Constructing a Building without a Blueprint

Architecture Considerations

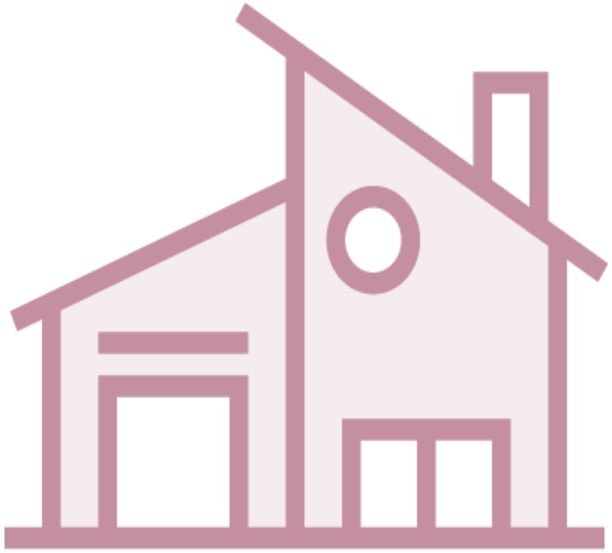
App Overview	App Features	Domain Security
Domain Rules	Logging	Services/ Communication
Data Models	Feature Components	Shared Functionality



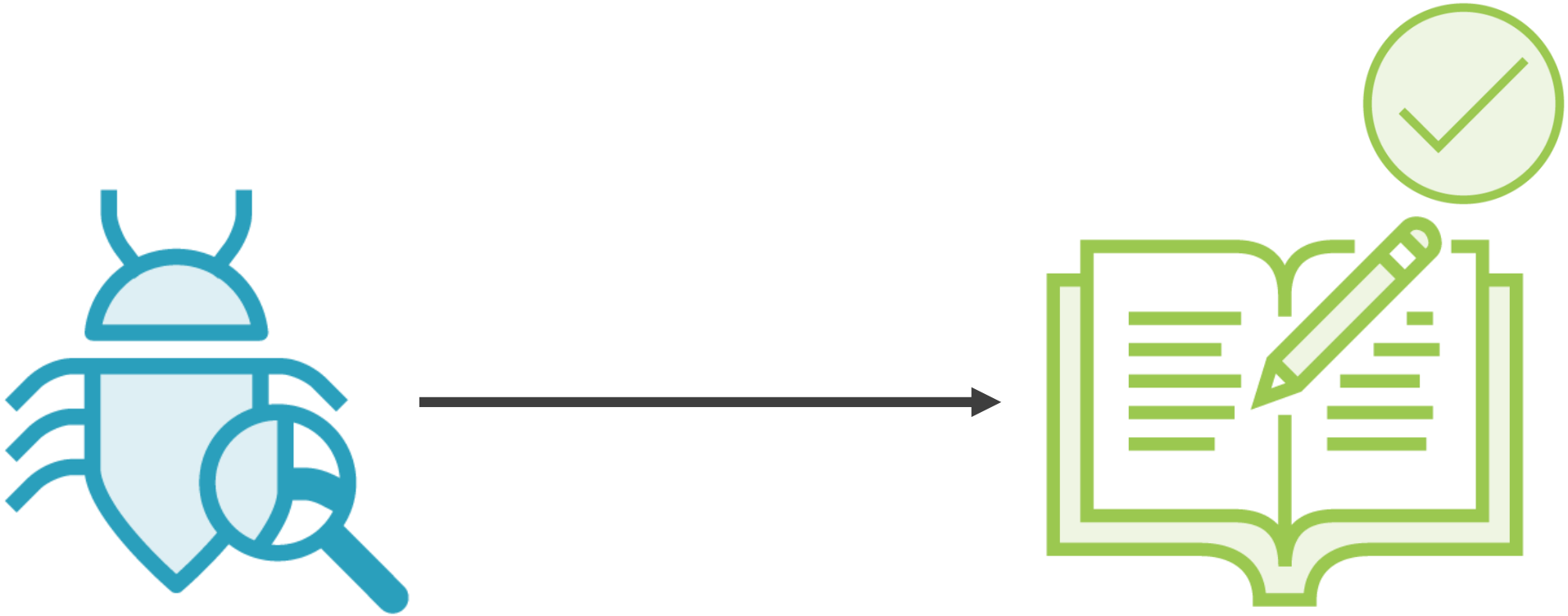
Domain
Security

HTTPS

Imagine Constructing a Building without a Blueprint

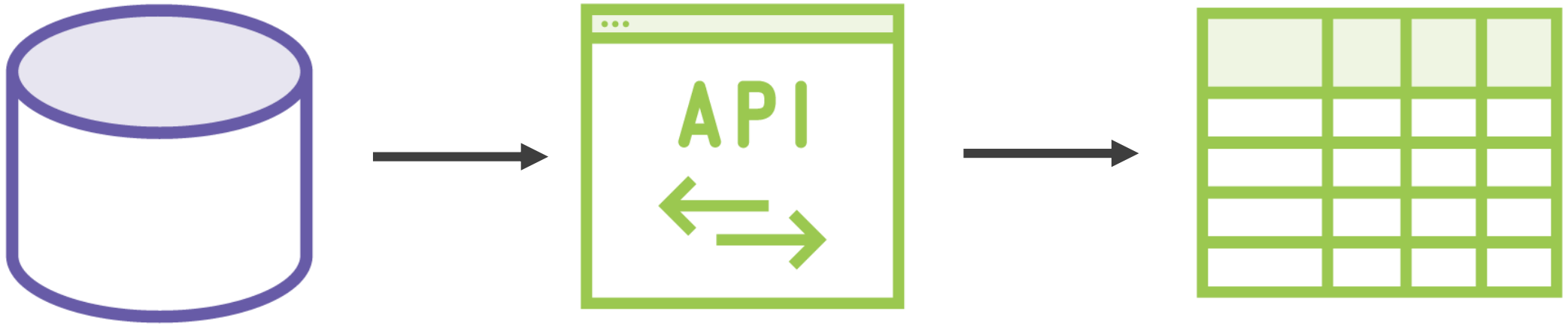


Logging

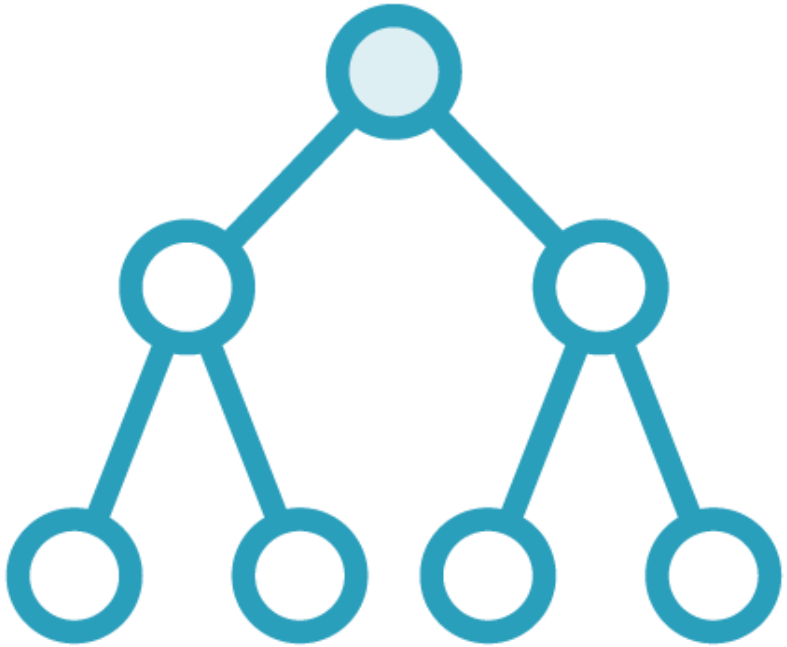


How Are We Talking to the Server?

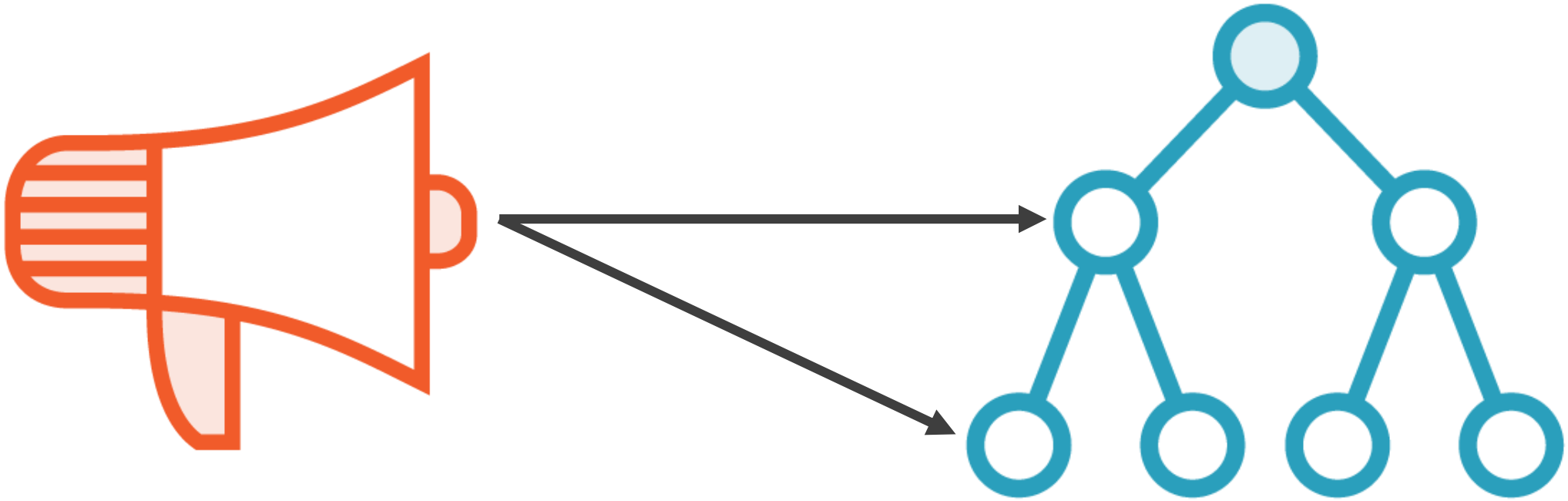
What Model Data Are We Expecting?



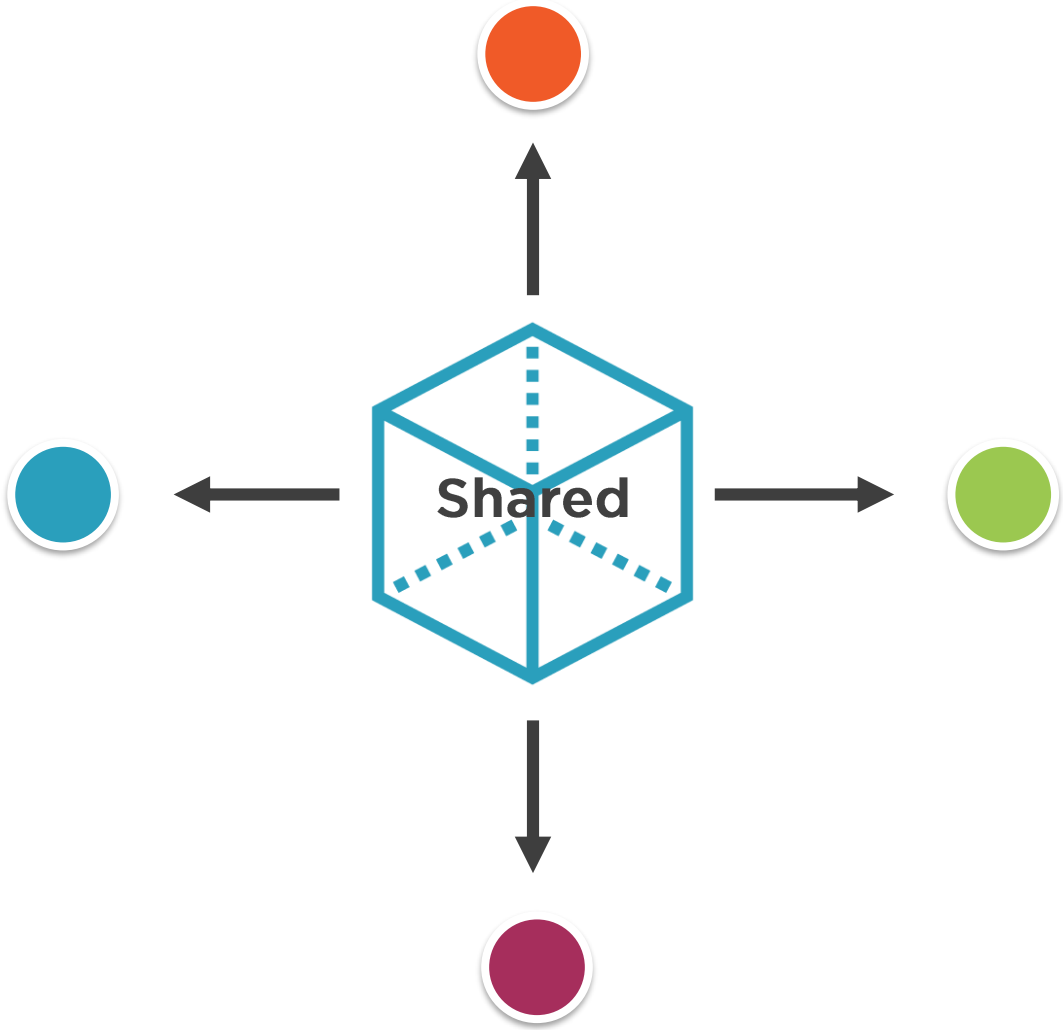
Structuring Components



Component Communication



Shared Functionality



Architecture Planning Template

Architecture Planning Template

Architecture Planning Template

https://codewithdan.me/
angular-architecture-planning

Architecture Planning Template Example

https://codewithdan.me/
angular-architecture-planning-example

Architecture Planning Template Example – Part 1

REST Verb Examples

REST Verb Examples

VERB	URI	Action
GET	/customers	Select multiple records
GET	/customers/101	Select a single record
POST	/customers	Insert a record
PUT	/customers/101	Update a record
PATCH	/customers/101	Update specific properties
DELETE	/customers/101	Delete a record

Architecture Planning Template Example – Part 2

The Angular Style Guide

The Angular Style Guide

Angular Style Guide

https://angular.io/guide/styleguide

Angular Style Guide Highlights

- Coding conventions
- Naming rules
- Application structure
- Organizing modules
- Creating and using components
- Creating and using services
- Lifecycle hooks

Other Considerations

Other Considerations

Accessibility	i18n	Environments
CI/CD	CDN, Container, Server	Unit Testing
End-to-End Testing	APIs	More...

Summary

Take time to discuss and document key architecture concepts

Create a simple architecture template that can be reused across projects

Create your own style guide that's based on the official Angular style guide