

Architecting Web Applications with Spring

UNDERSTANDING THE APPLICATION ARCHITECTURE



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Overview



Logical vs Physical Design

Vertical vs Horizontal Separation



Physical Design



Logical Design

‘Feature’ One

‘Feature’ Two

‘Feature’ Three



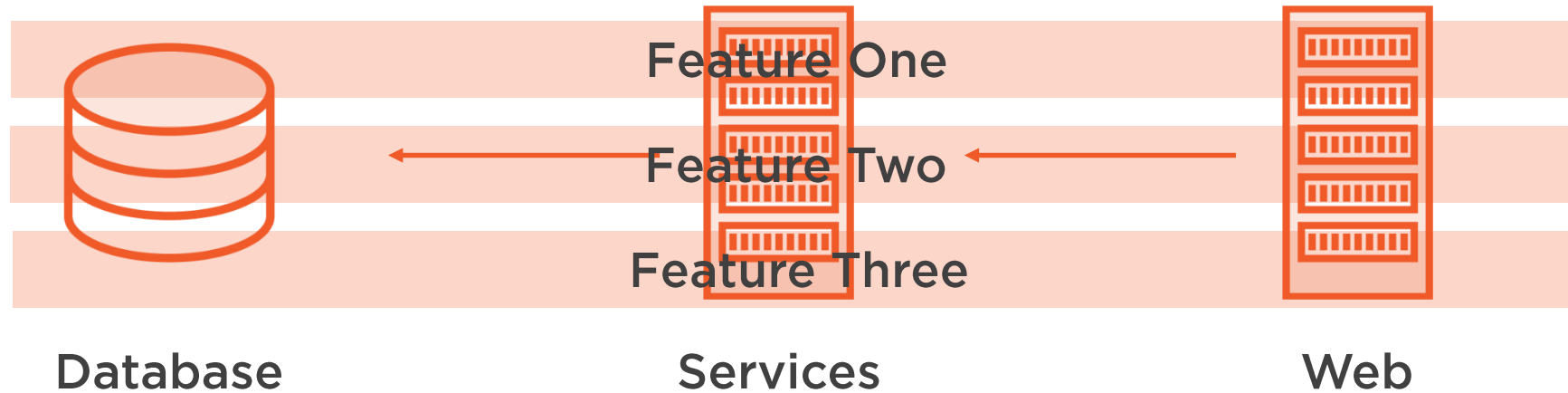
Cross Project Features

Web

Database Entities



Physical Cuts Across Logical

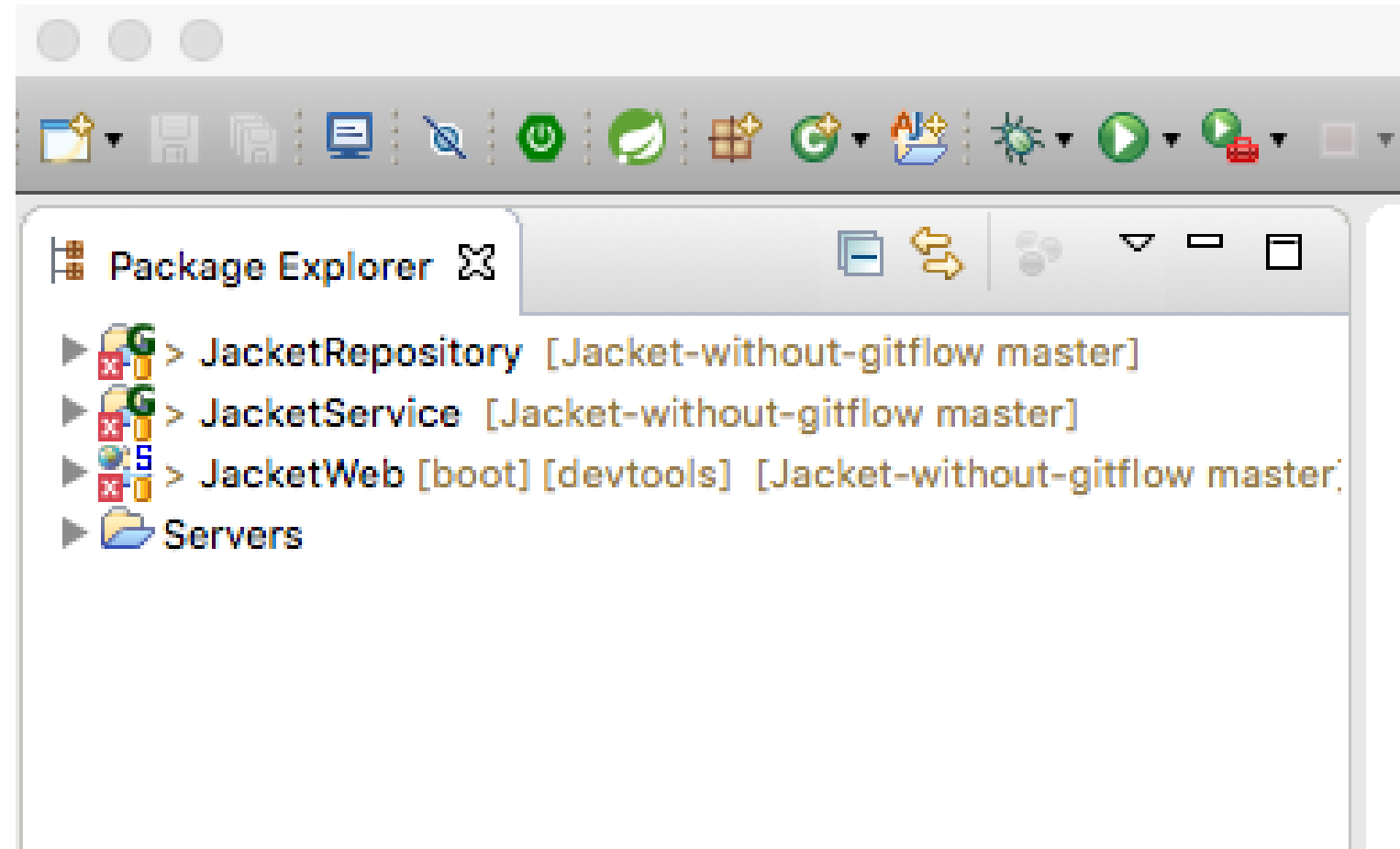


Vertical Code Separation

Code layout matches physical layout



What Does This Mean for Your Code?



Benefits

Separation of concerns

Easy mapping of layers to servers

Easy to understand

‘Everybody does it’

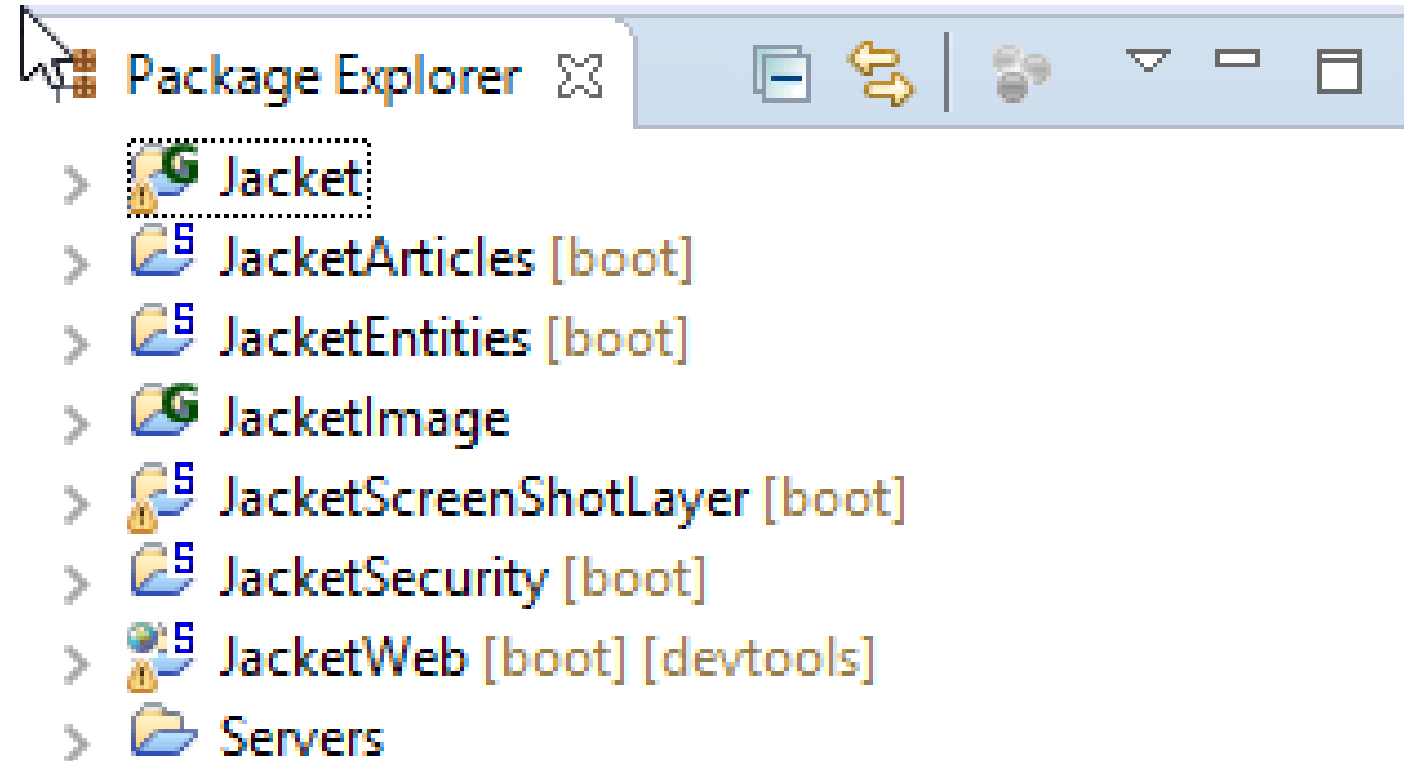


Horizontal Code Separation

Code layout matches logical layout



What Does This Mean for Your Code?



Benefits

Better Separation of Concerns

Devs work in only one part of the codebase

Easier to manage (esp. for source control)

Easy to see whole functionality



Drawbacks of Horizontal Design

Not pure (some tiers are hard to separate)

Harder to separate into physical layers

Not standard practice



Demo



Building the initial application



Summary



Application consists of different 'layers'
Functionality cuts across layers
Structure your application functionally



What Next?

