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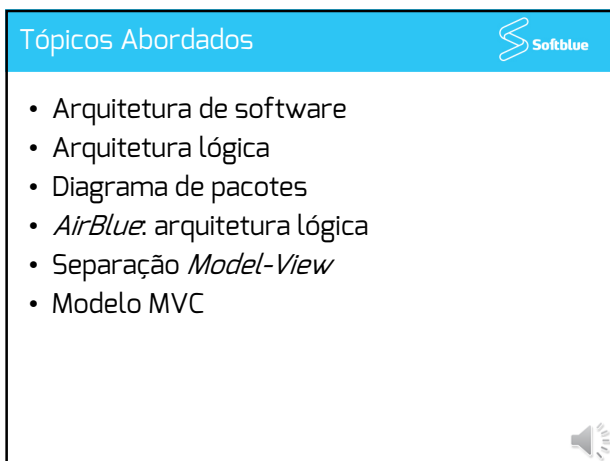
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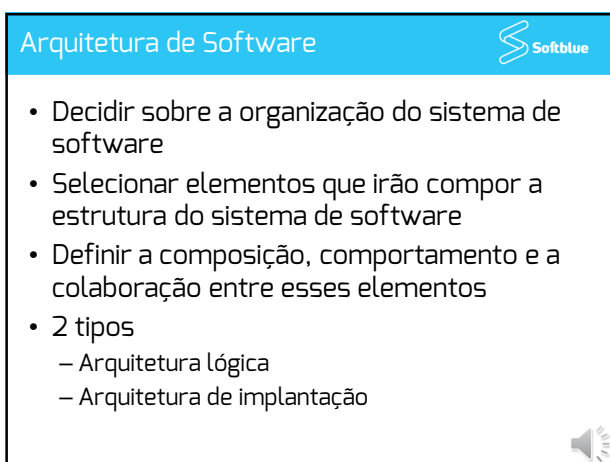
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## Arquitetura Lógica



- Organiza as classes em pacotes (*packages / namespaces*)
  - Um pacote agrupa classes relacionadas
- Organiza os pacotes em camadas (*layers*)
  - Uma camada agrupa pacotes com a mesma responsabilidade
- Não se preocupa com detalhes de implantação
  - Ex: sistemas operacionais, hardware, etc.



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## Diagrama de Pacotes



- A UML possui um diagrama que representa os pacotes de uma aplicação
- Pode ser utilizado para representar a arquitetura lógica



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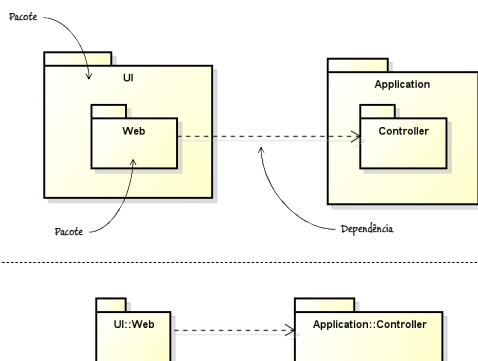
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## Exemplo de Diagrama de Pacotes



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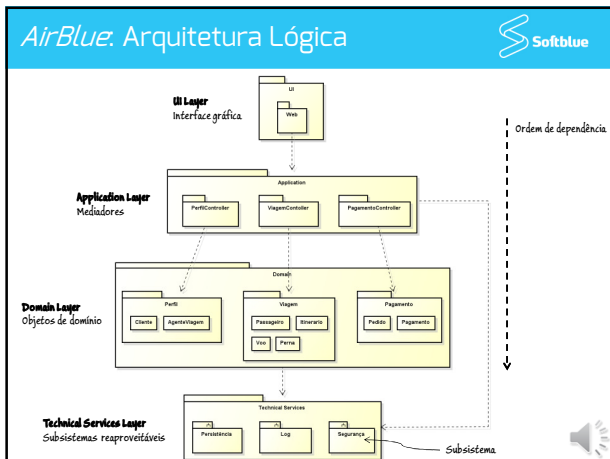
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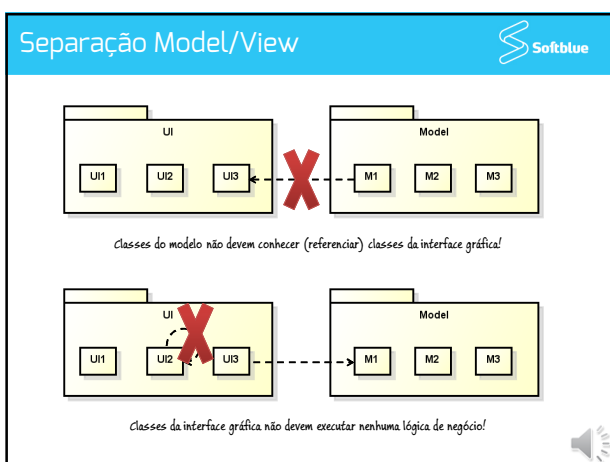


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### Importância da Separação em Camadas


- A coesão diminui o acoplamento
  - Aumenta o grau de reutilização
  - Facilita a manutenção
  - Aumenta a clareza
- Possibilita que algumas camadas possam ser substituídas por outras implementações sem afetar o resto da arquitetura

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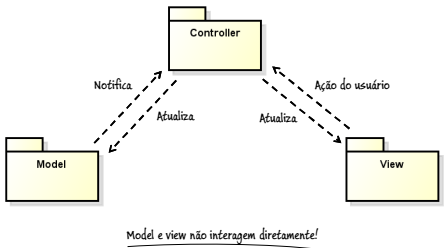


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Modelo MVC



- ***Model-View-Controller***
- Variante do modelo *Model-View*



Model e view não interagem diretamente!



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Softblue



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