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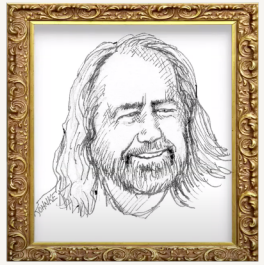
Clean Code



Gary Booch

- Simple & Direct
- Reads as well-written prose

Bjarne Stroustrup

- Elegant & Efficient.
- Should do one thing

Ward Cunnigham

- Every Routine is pretty much what you expected

Michael Feathers

- Written by someone who cares

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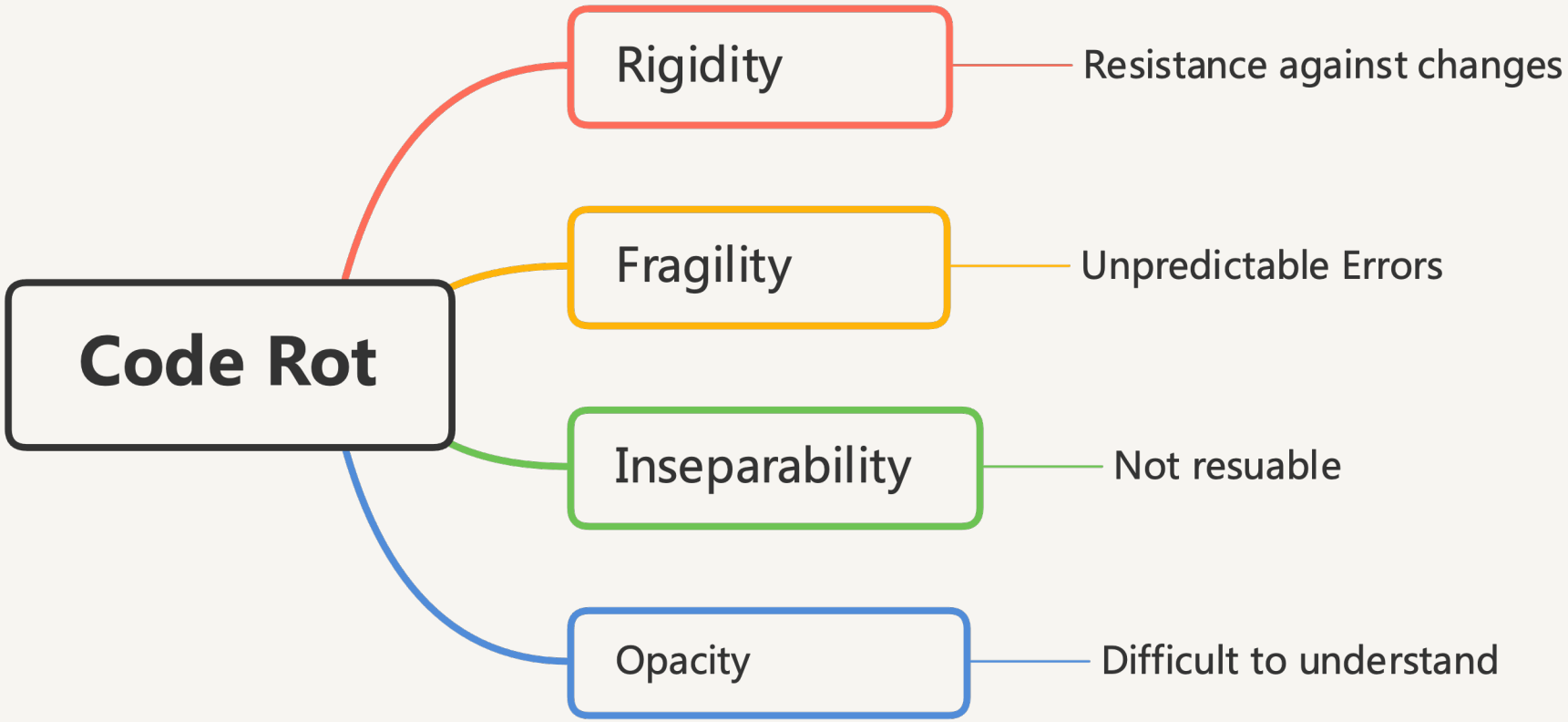

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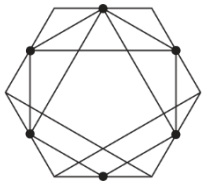

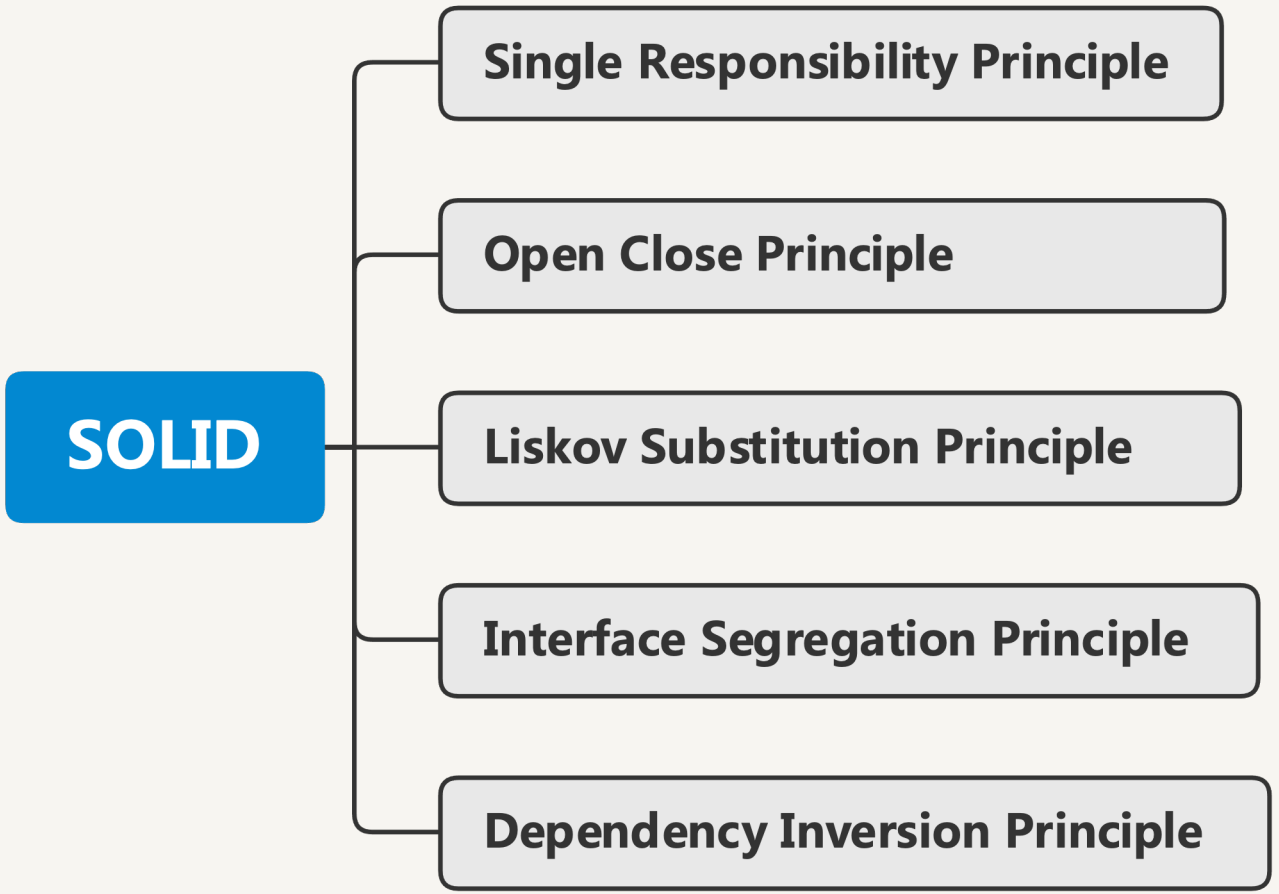

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SINGLE RESPONSIBILITY PRINCIPLE

- For each class
- There should only be
- a single reason to change

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SINGLE RESPONSIBILITY PRINCIPLE

- The name is not quite correct!
- SRP does not state that each class
- may only have a single responsibility!

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SINGLE RESPONSIBILITY VIOLATION

Book
-title: string -author: string -page: int
+print(): void +save(): void

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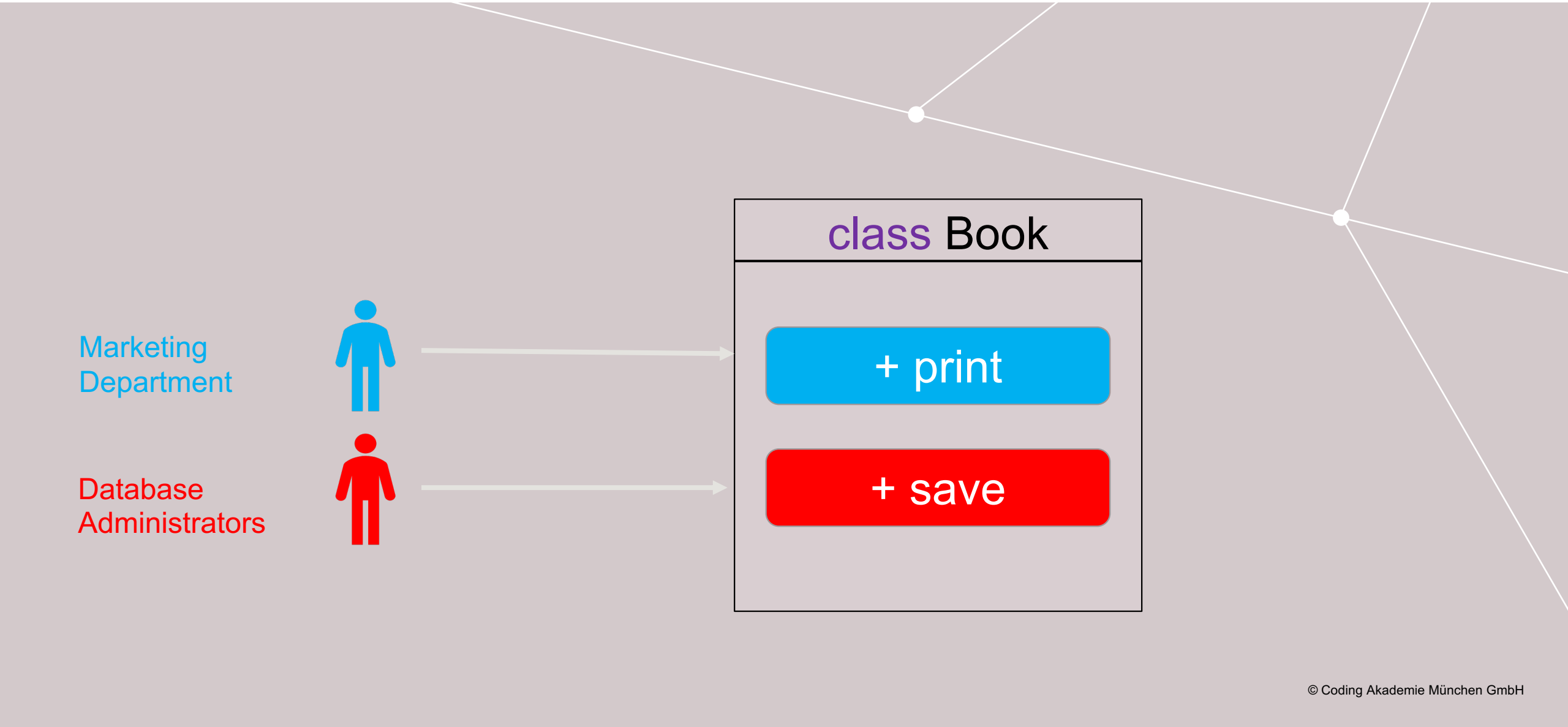

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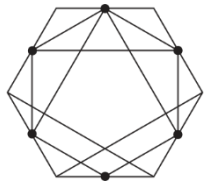
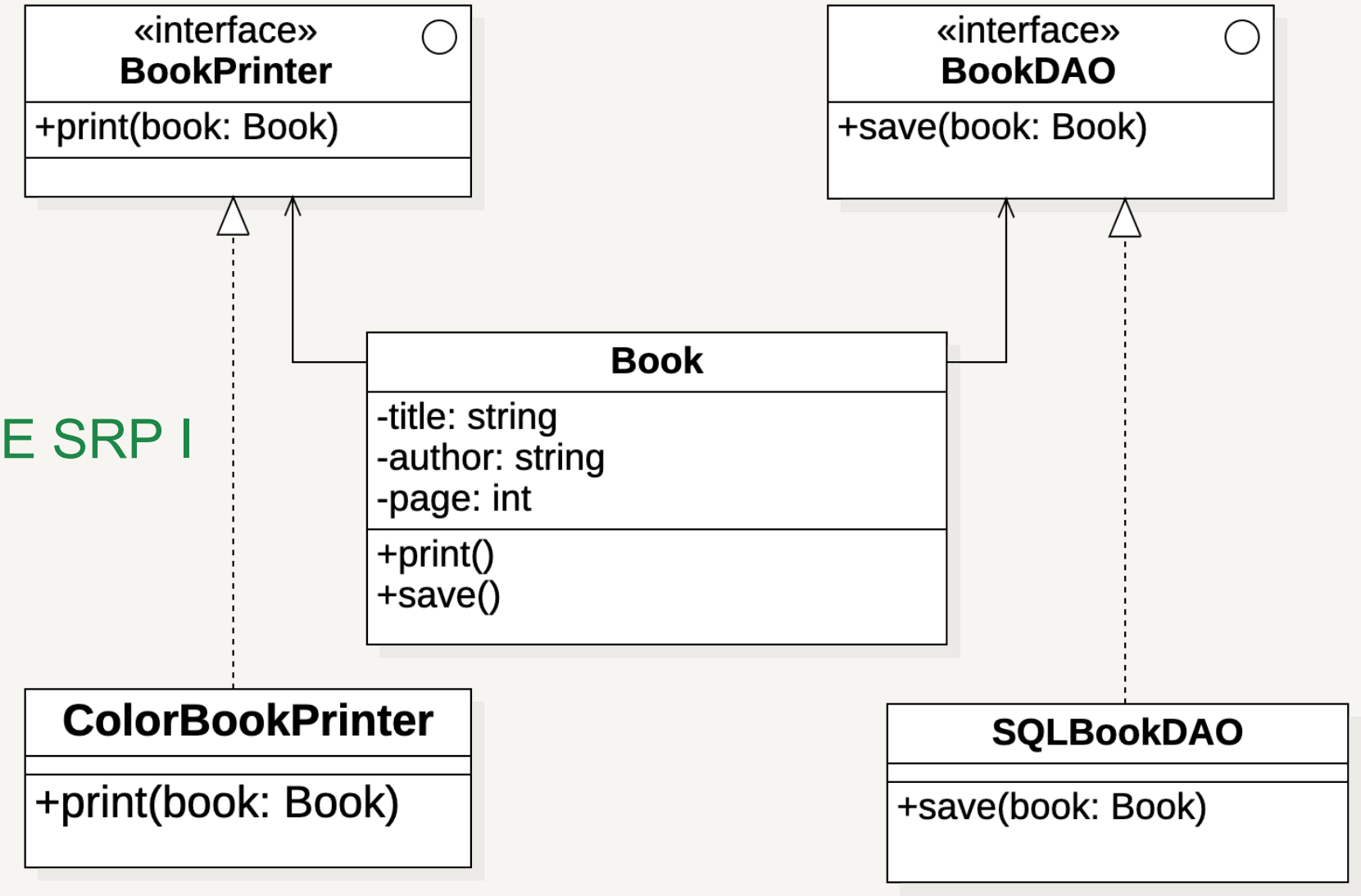


RESOLVE SRP I



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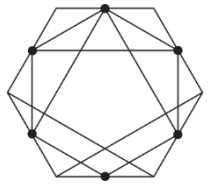
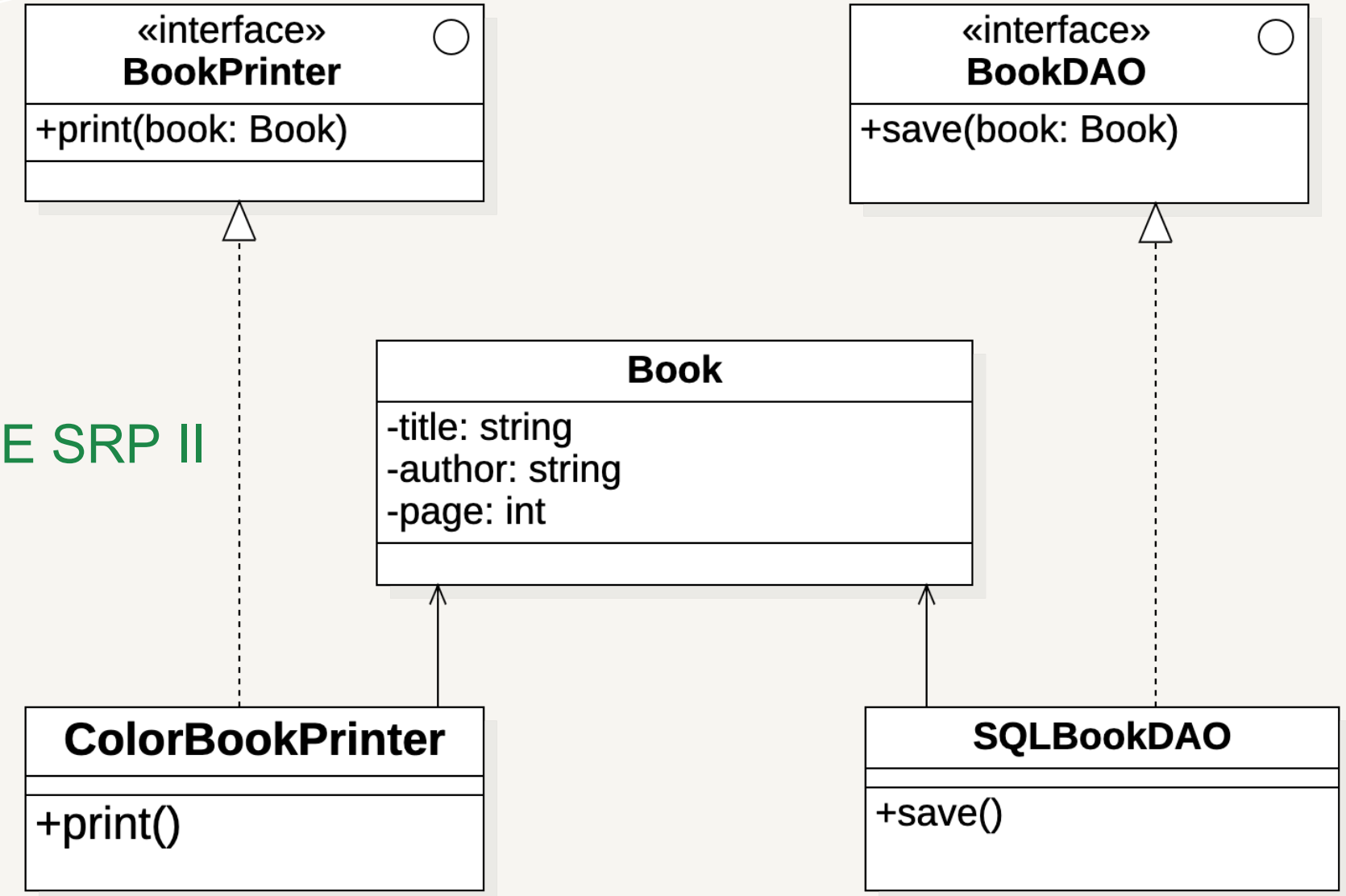


RESOLVE SRP II



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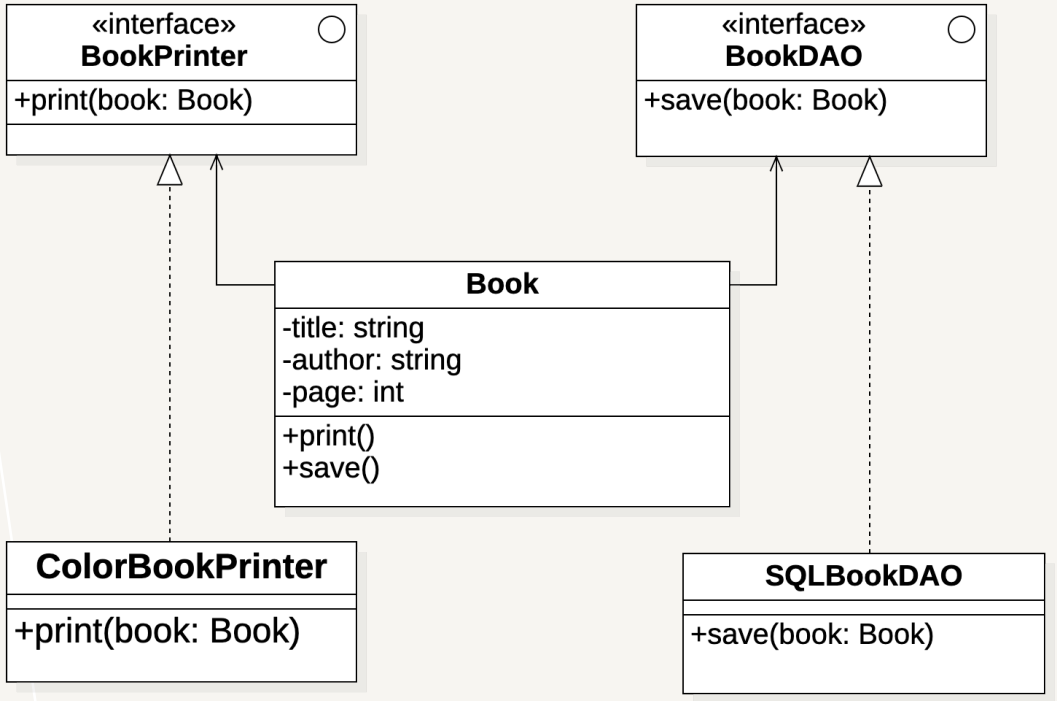
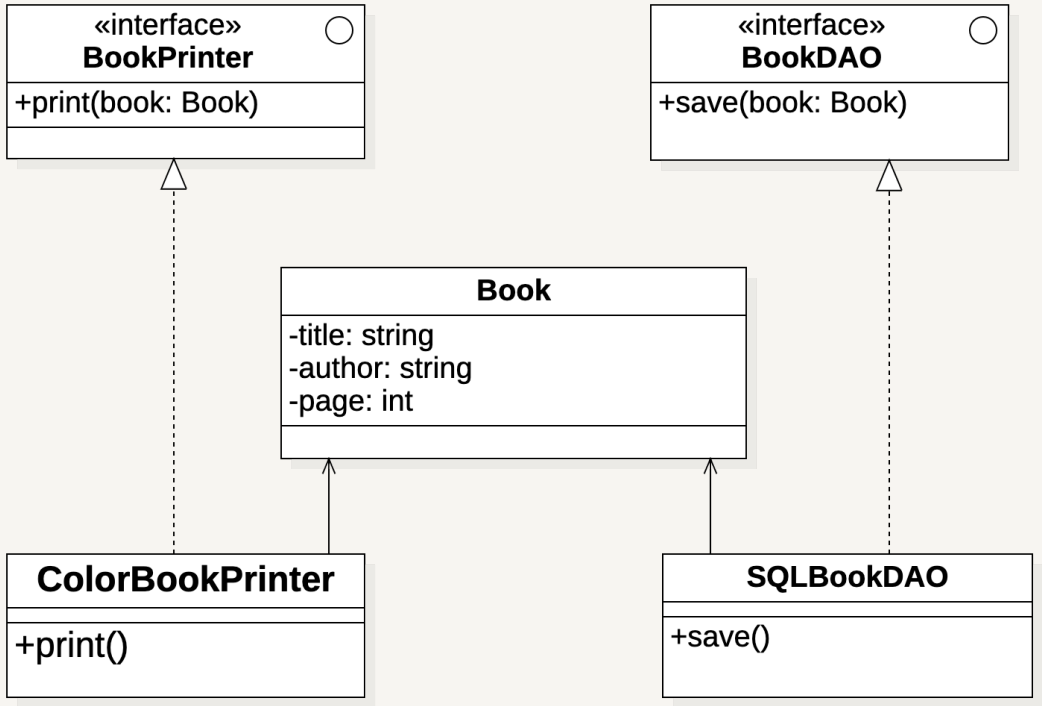
RESOLVE THE SRP VIOLATION I VS. II





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SRP => MONSTER KLASSEN VERMEIDEN!

- No classes anymore
- Which know too much!
- Like the Swiss Knife!

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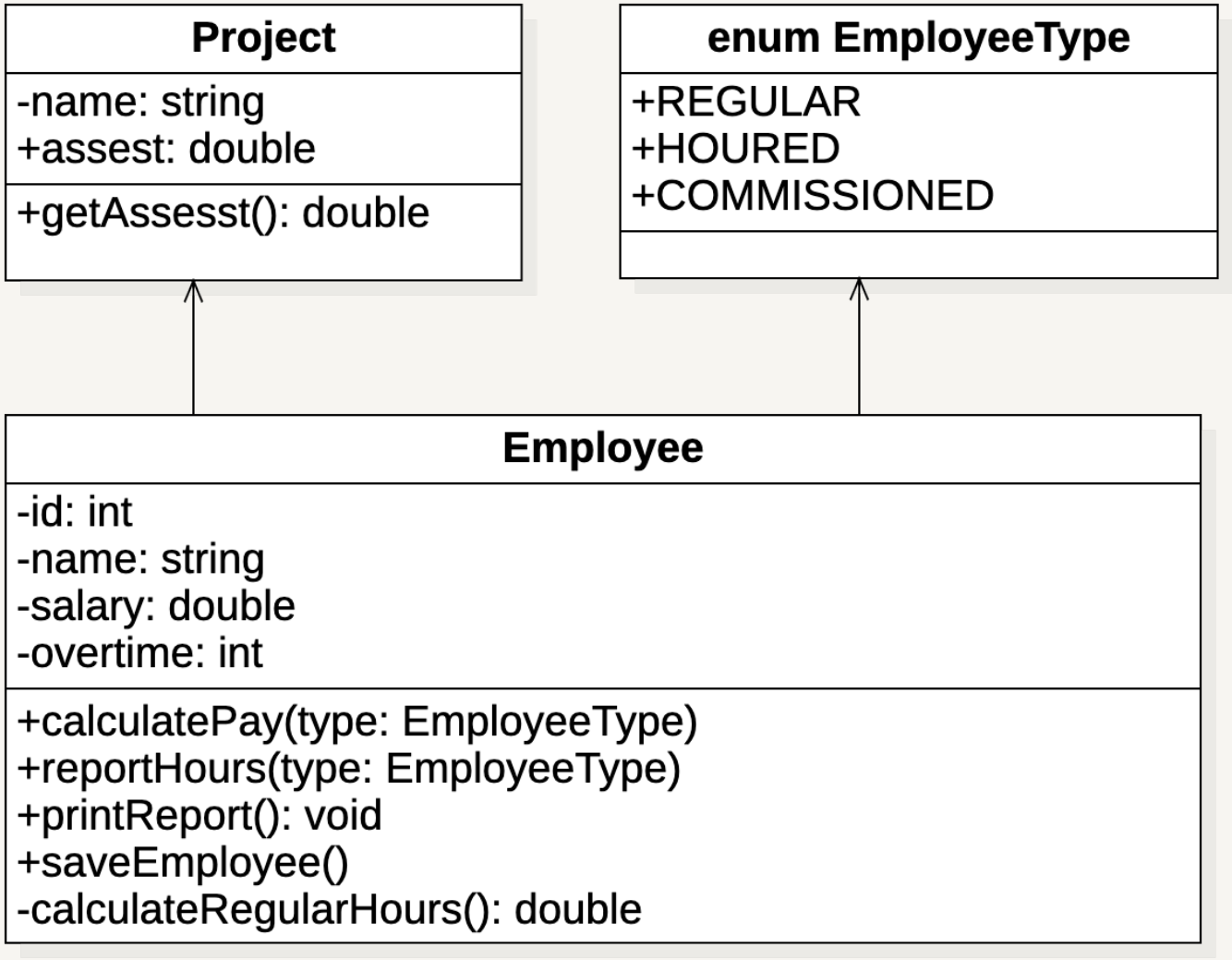

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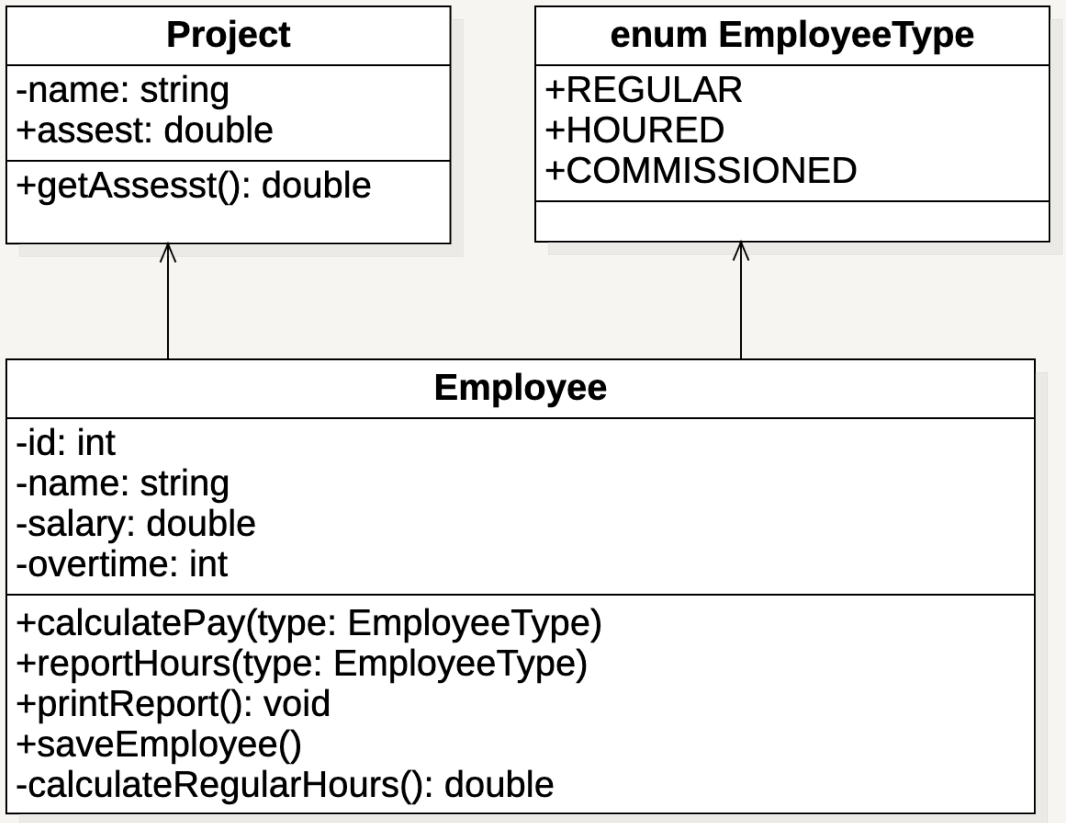
WHAT IS WRONG?



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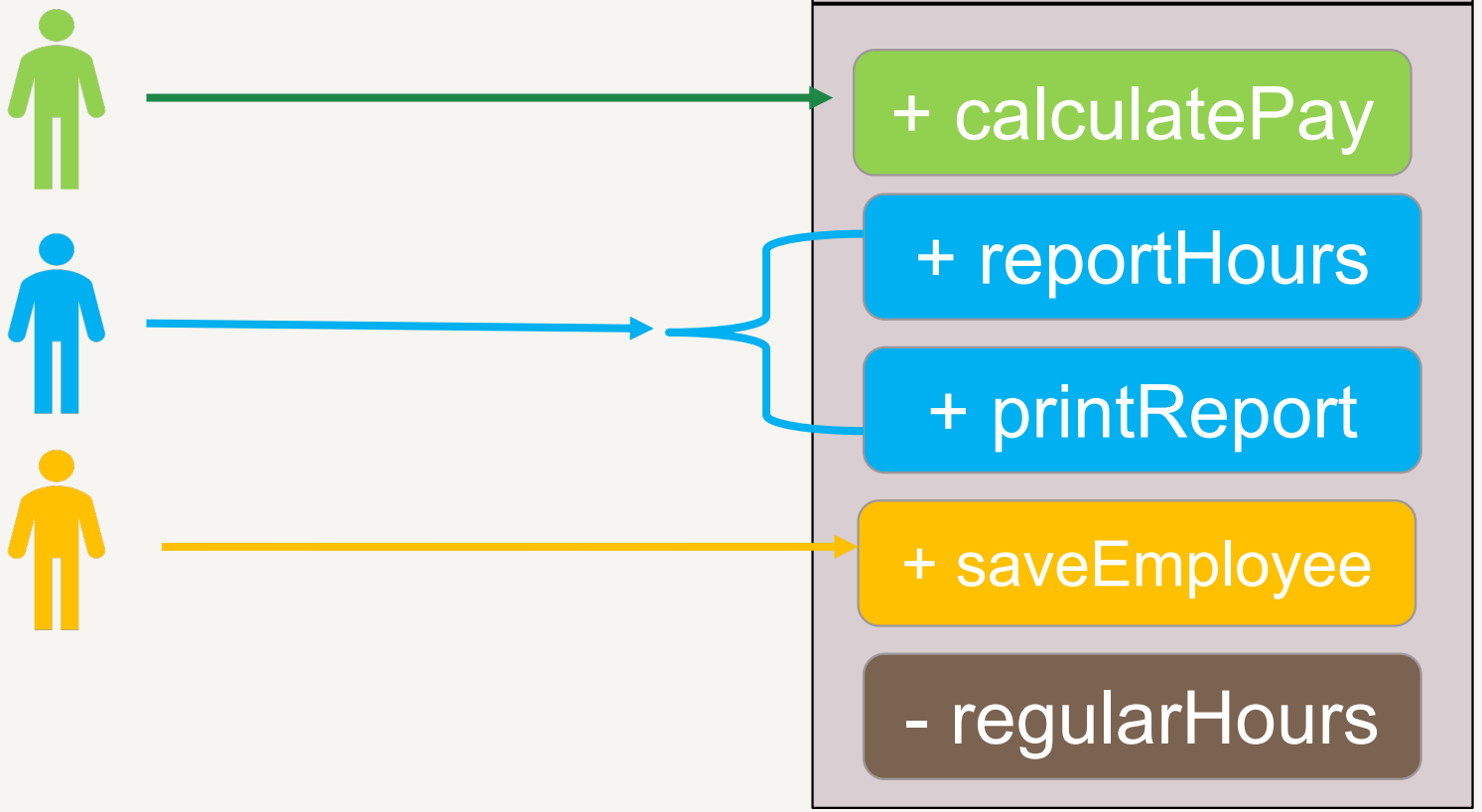

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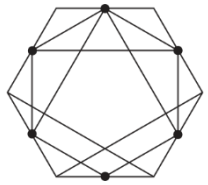

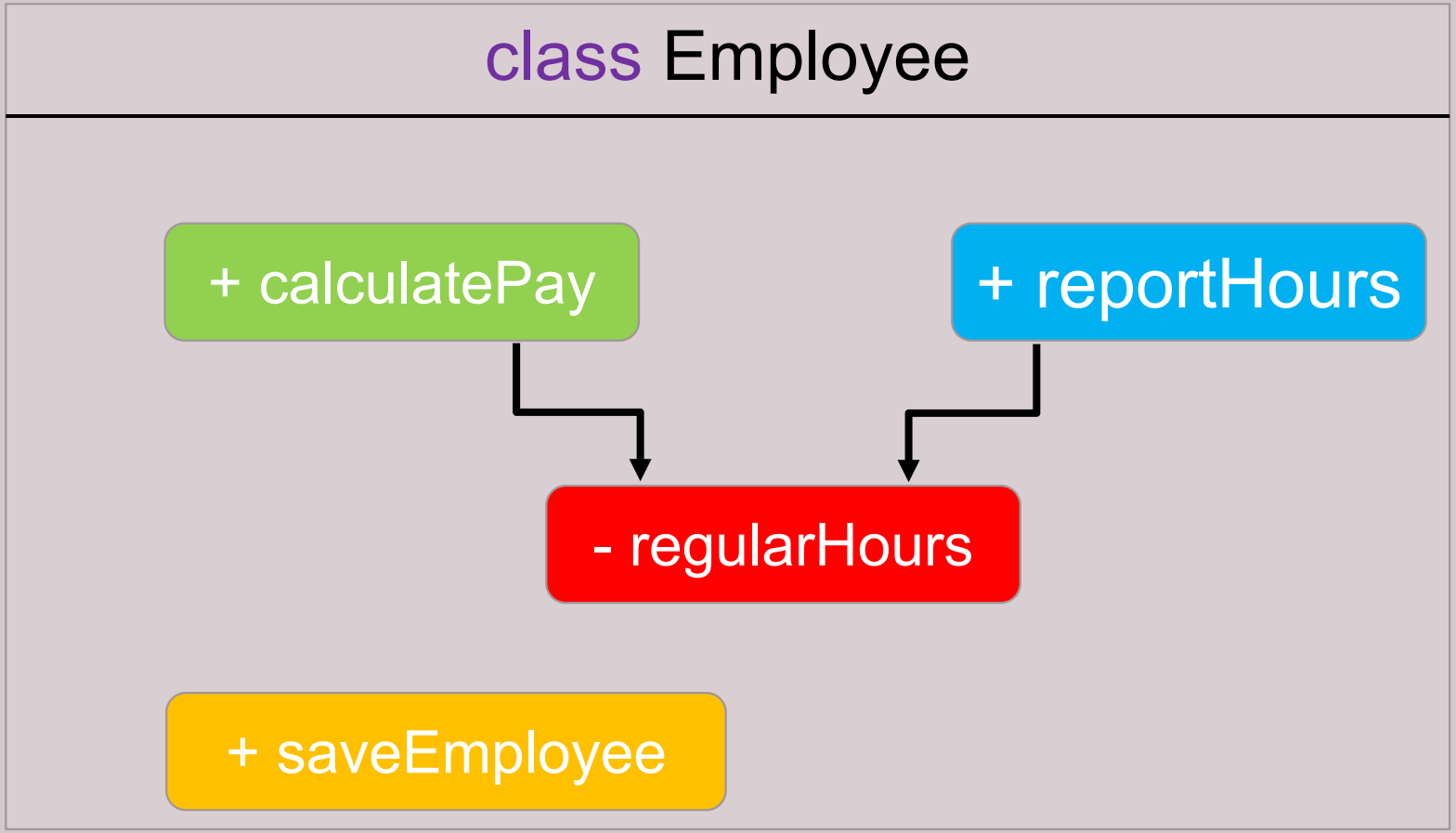

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SINGLE RESPONSIBILITY PRINCIPLE WORKSHOP

- Master the Workshop!

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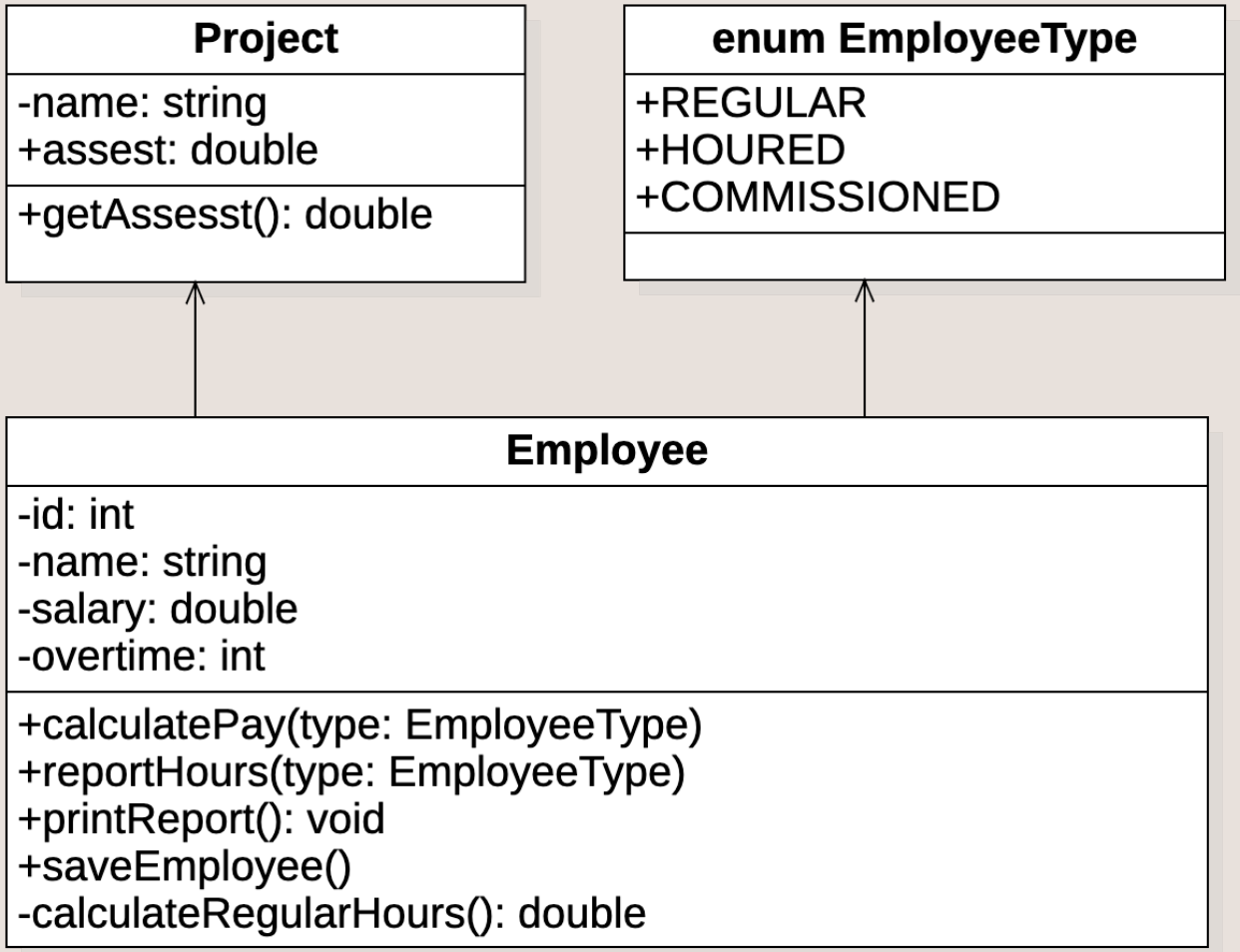

SRPBESTEHENDES DESIGN

- Design breaks SRP !
- Re-Design it to pass SRP
- Implements the new Design ?

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DISCOUSIONÖSUNGEN UND DISKUSSIONEN

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VIELEN DANK FÜR IHRE AUFMERKSAMKEIT.