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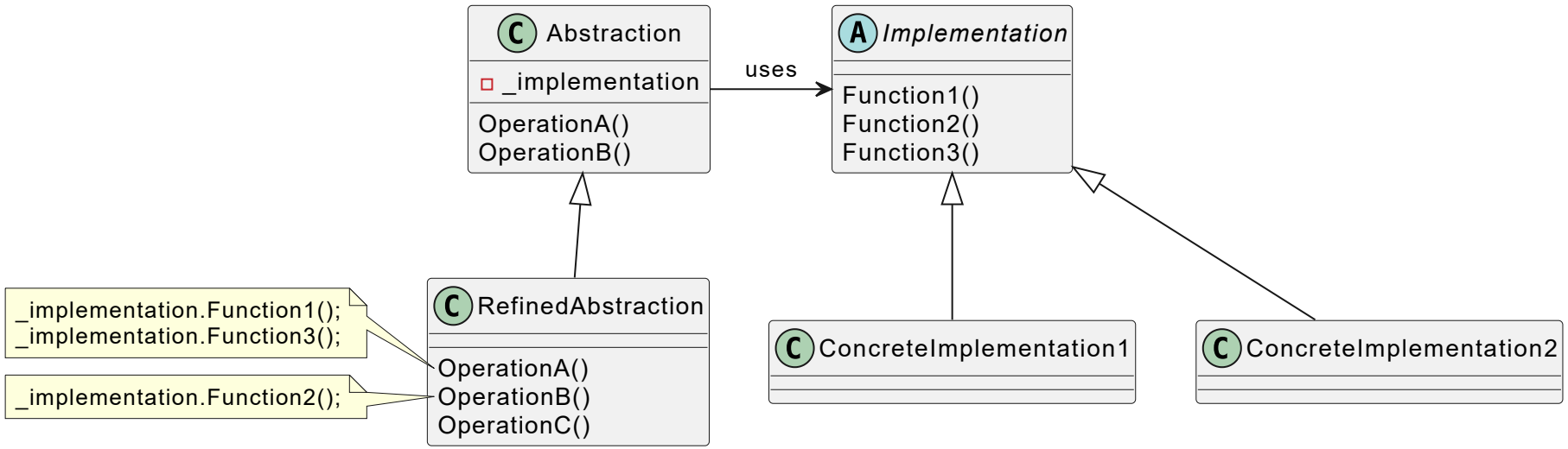

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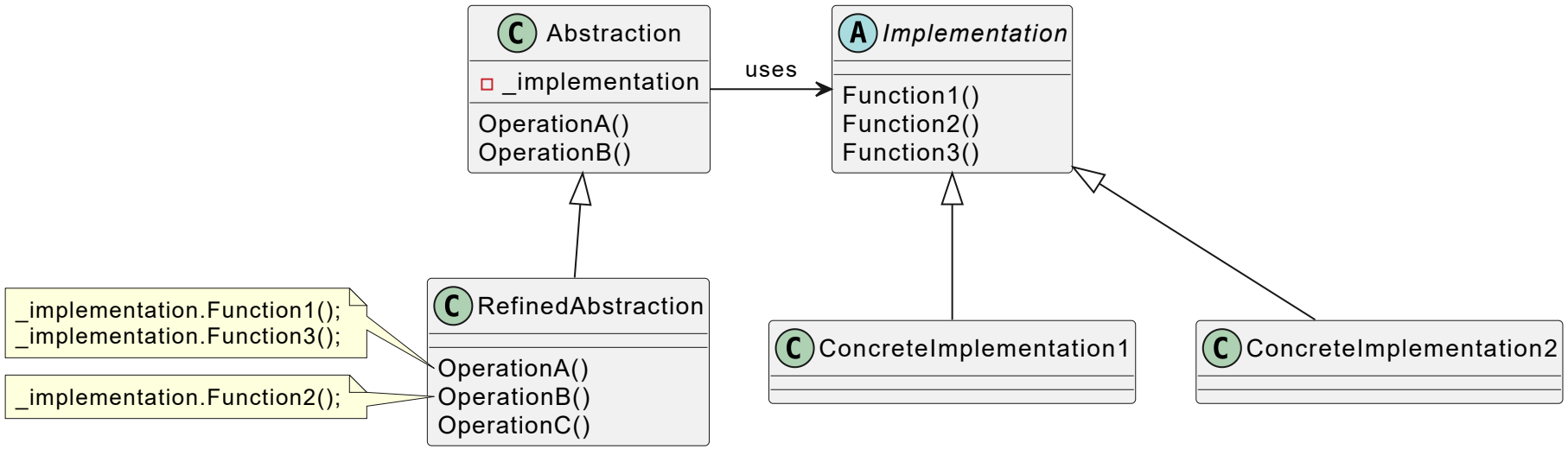

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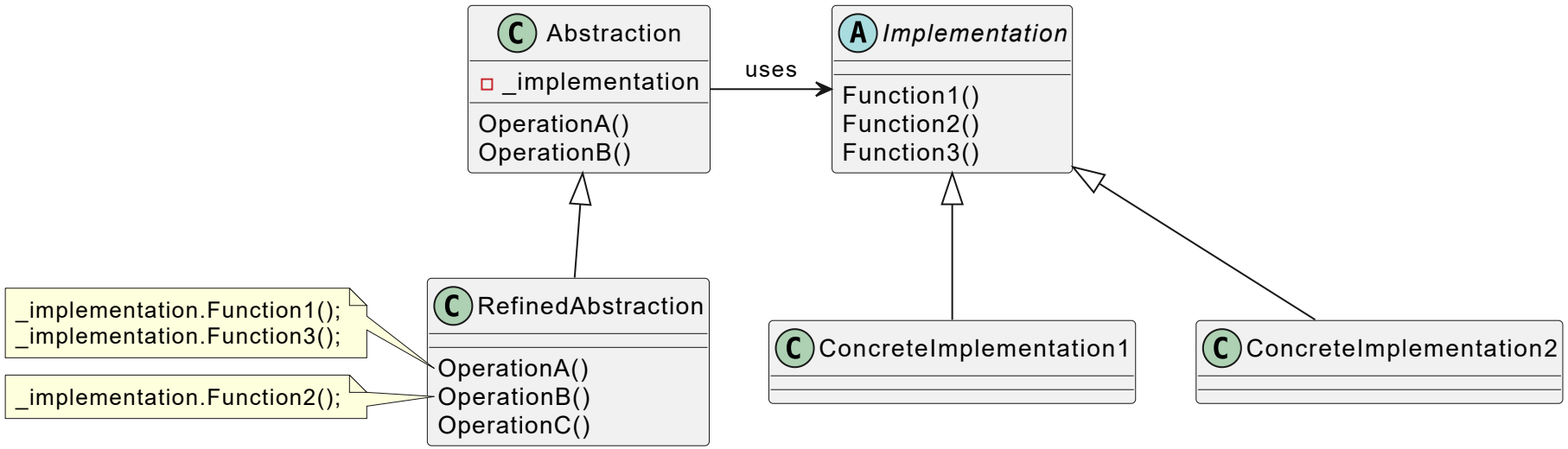

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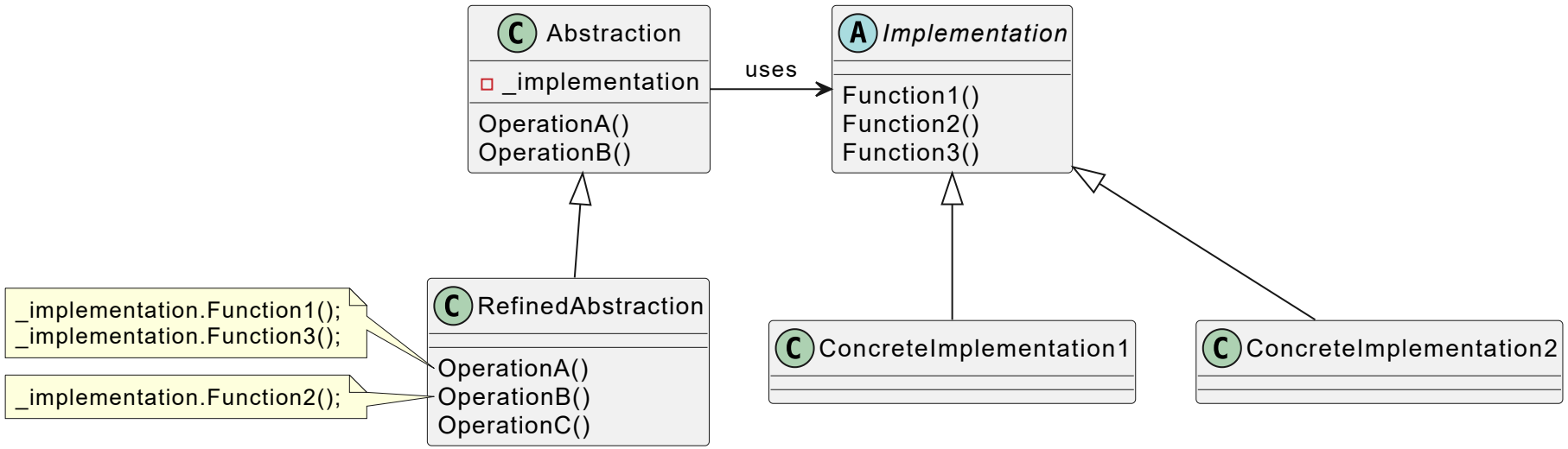
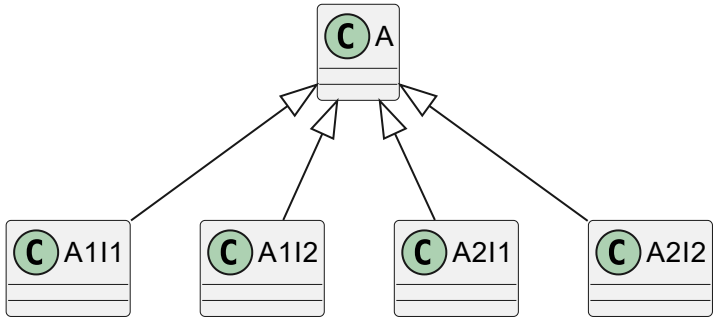
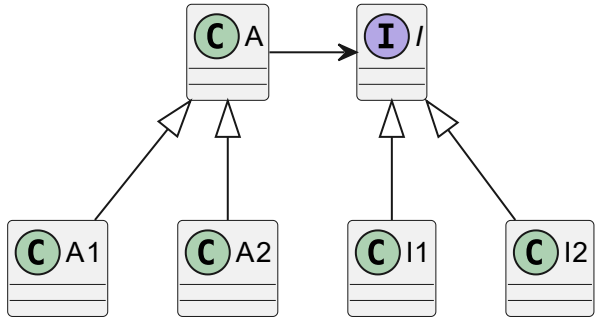


- *Refined abstractions* use *Conrete Implementation* calling their methods (not necessarily one-to-one!)
- *Refined abstractions* may extend the interface of *Abstraction*
- (typically) *Implementation* provides only primitive operations and *Abstraction* defines higher-level operations based on those primitives

Bridge

- *"When an abstraction can have one of several possible implementations, the usual way to accommodate them is to use inheritance"*
- *"Clients should be able to create a window without committing to a concrete implementation"*





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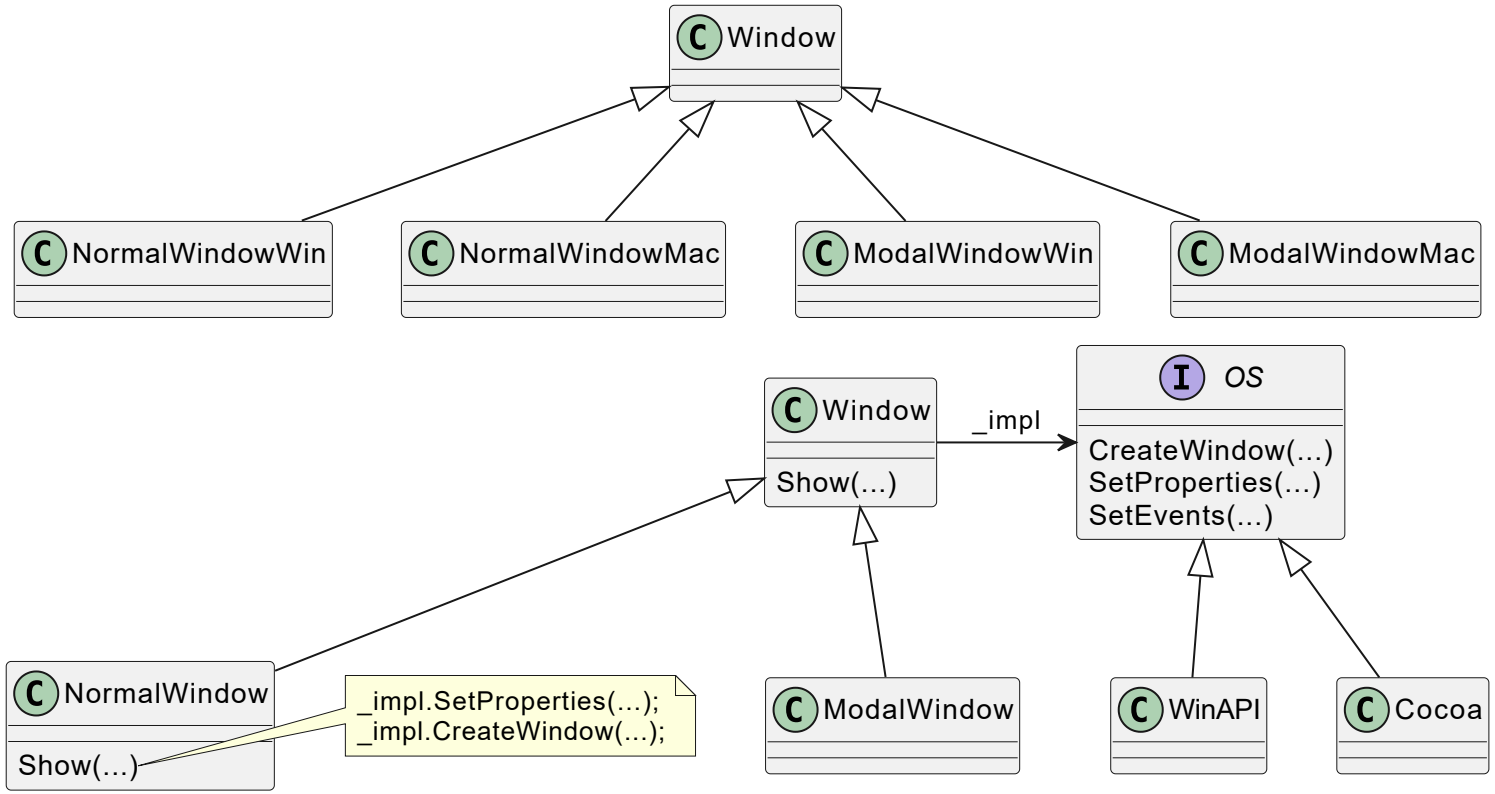
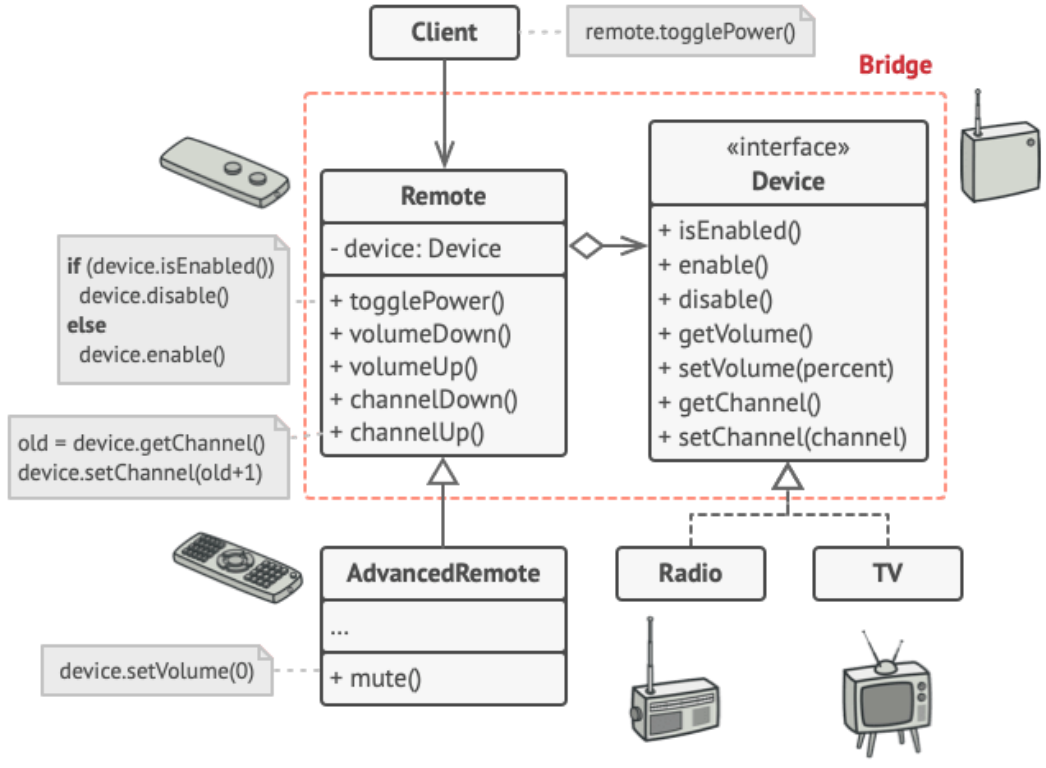


Bridge - example #1



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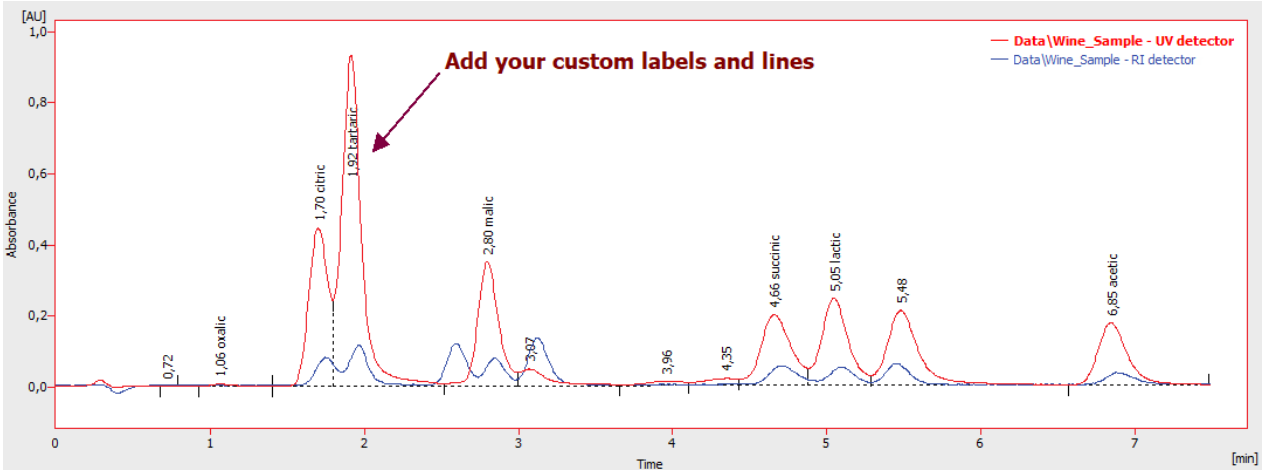

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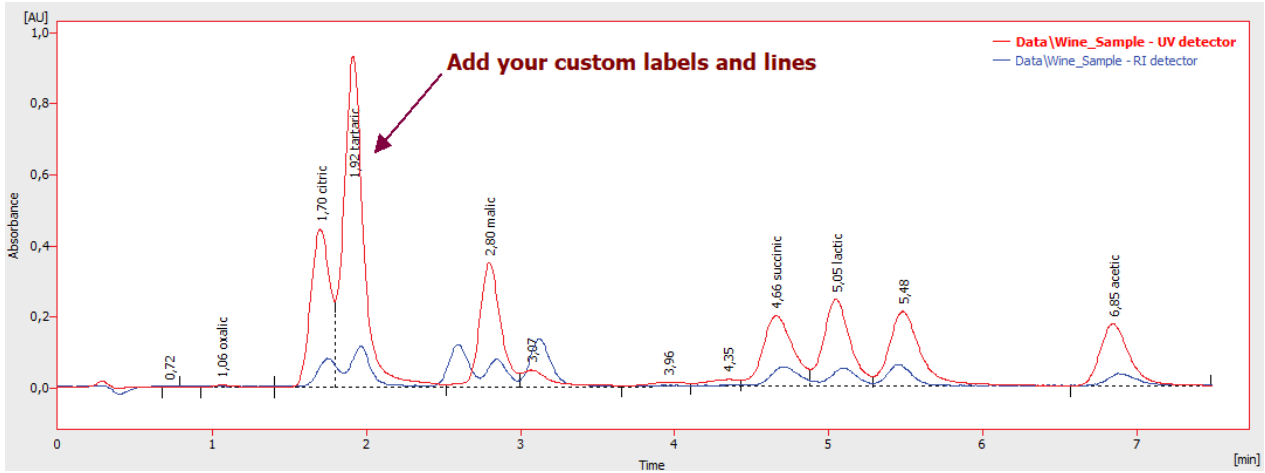
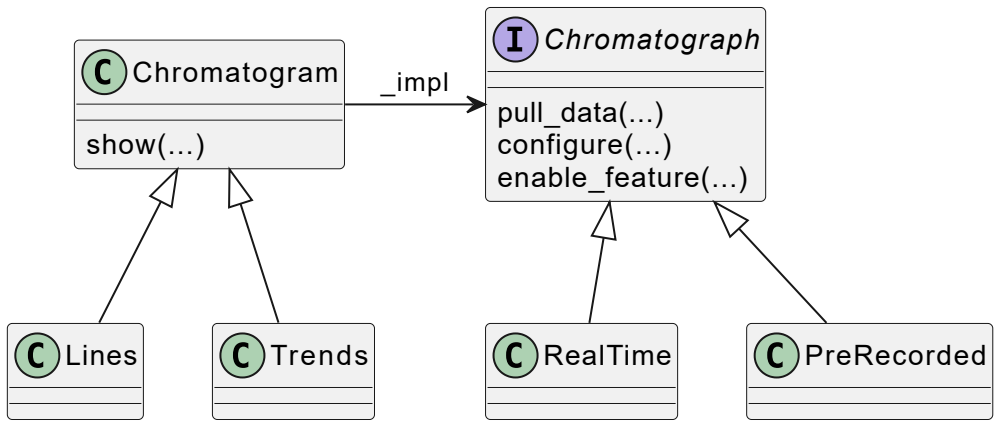
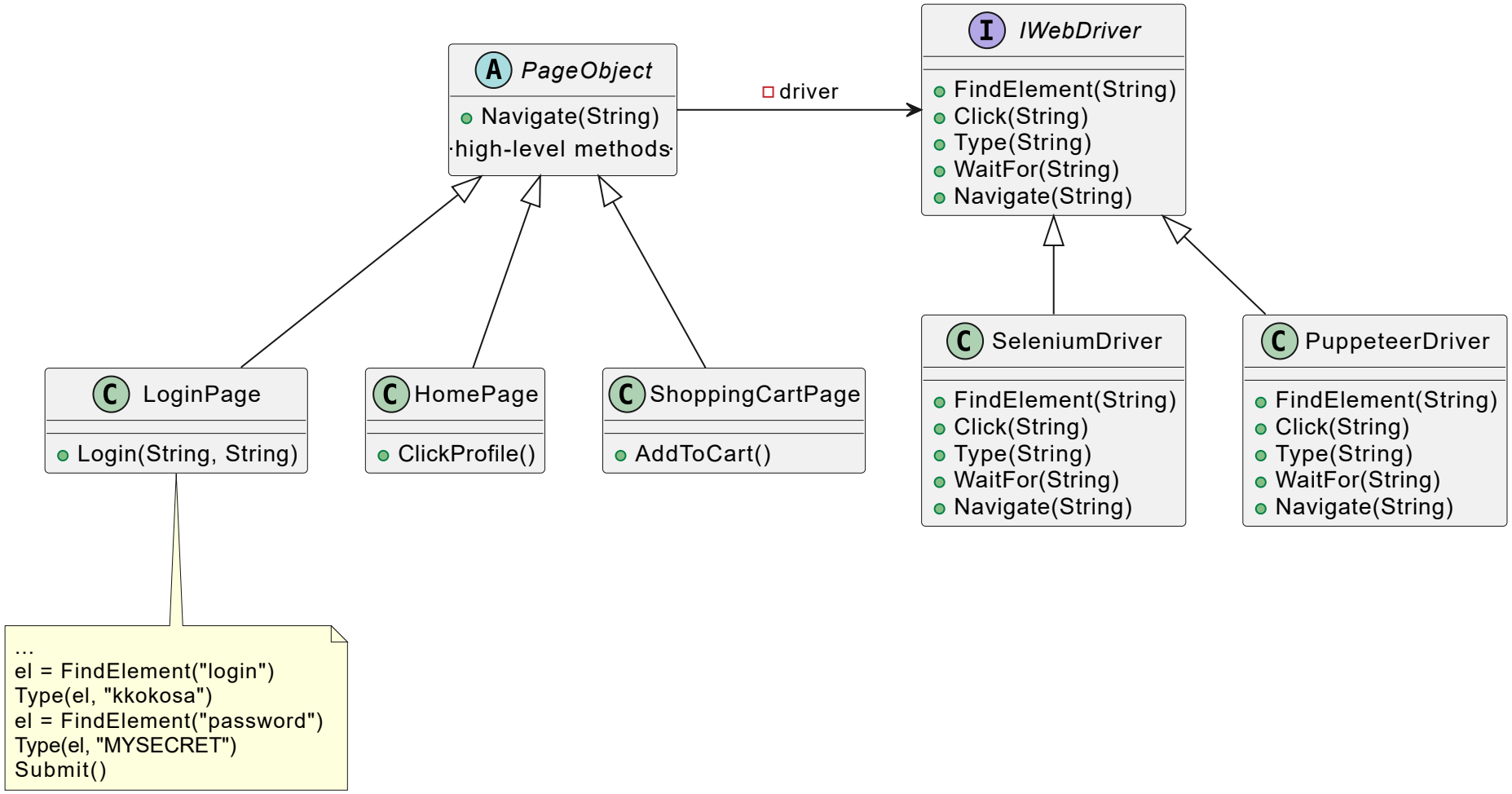




Bridge - example #2



Bridge - example #3

- we send a message/abstraction (short, long) through various channels/implementations (e-mail, SMS)

Bridge

- when we have abstractions on both sides - *Bridge*, and when on one side - *Strategy*
- special feature that differs from *Strategy pattern* - use/combination of methods with Implementation