

# SWD - Pattern Hand In

# Memento Pattern

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# The Memento Pattern

➤ What is the Memento Pattern?

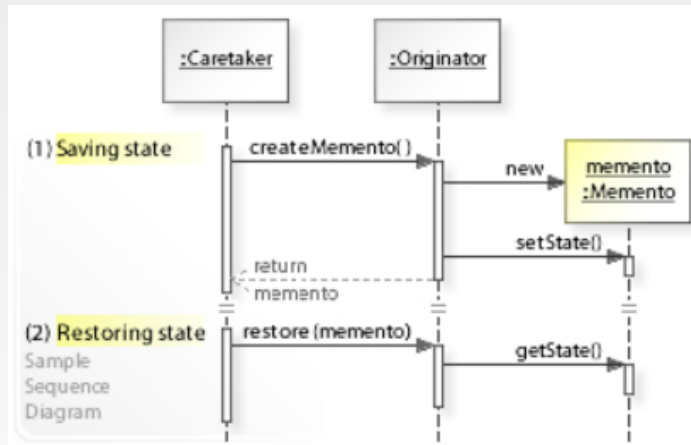
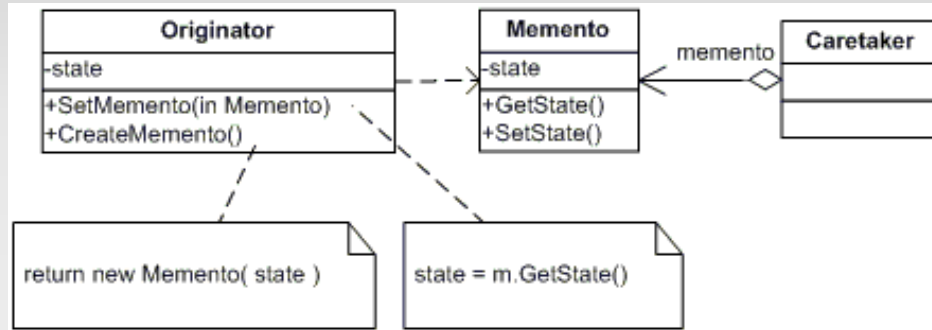
➤ Pros and cons?

➤ Pros

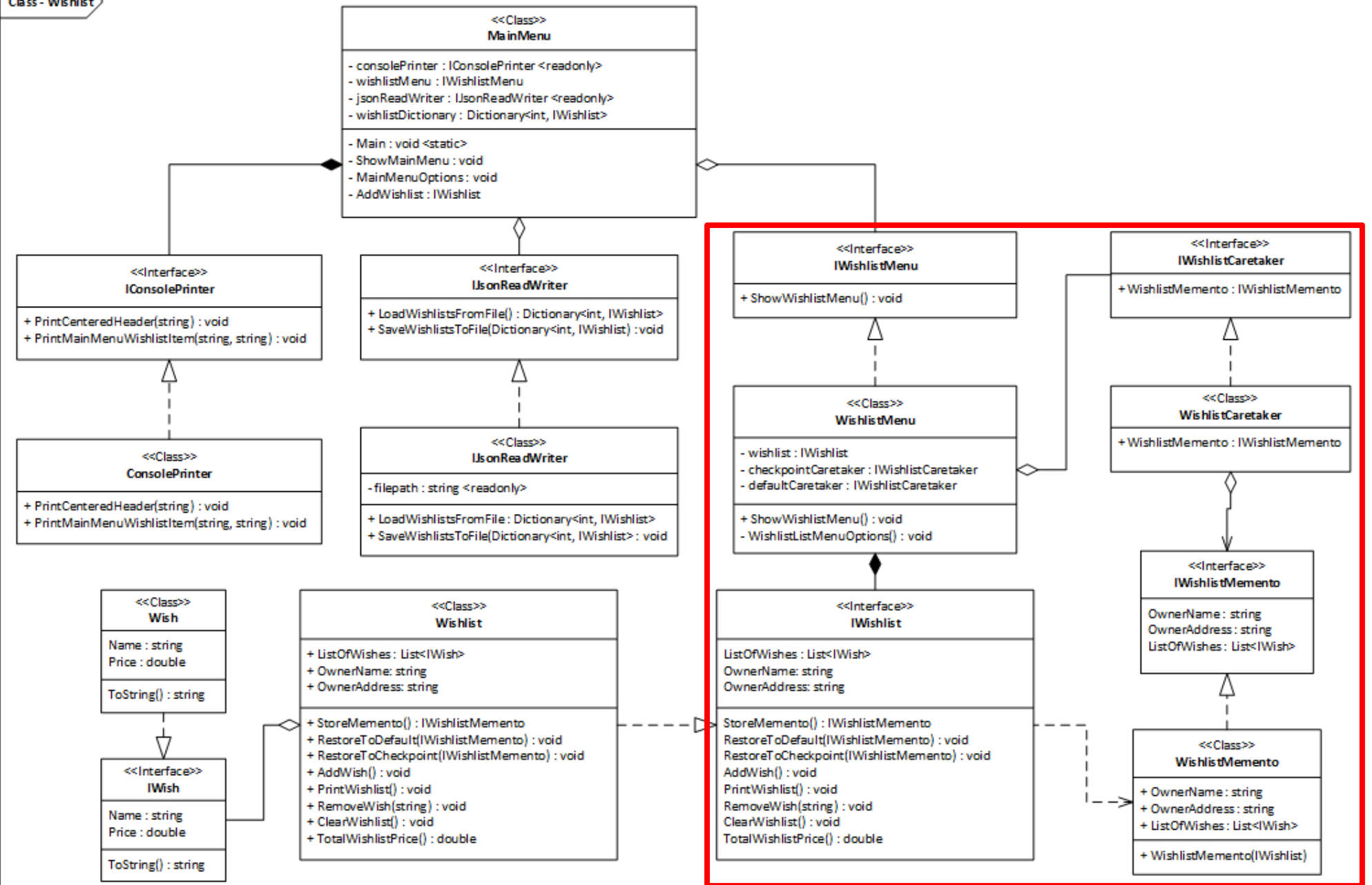
- Reusable
- Does not violate capsulation
- Easy to implement rollback functionality

➤ Cons

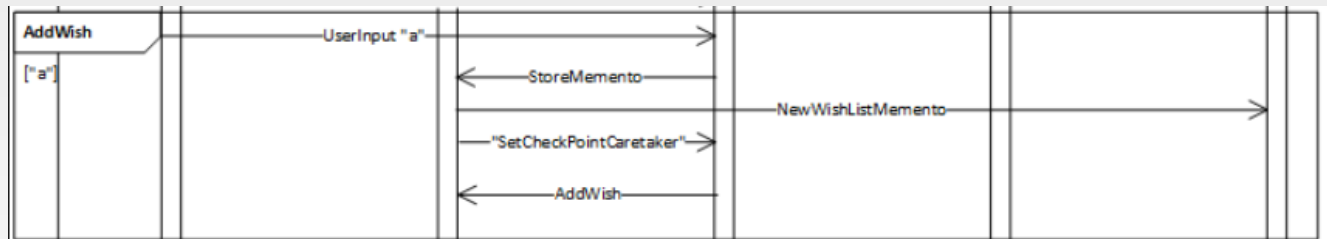
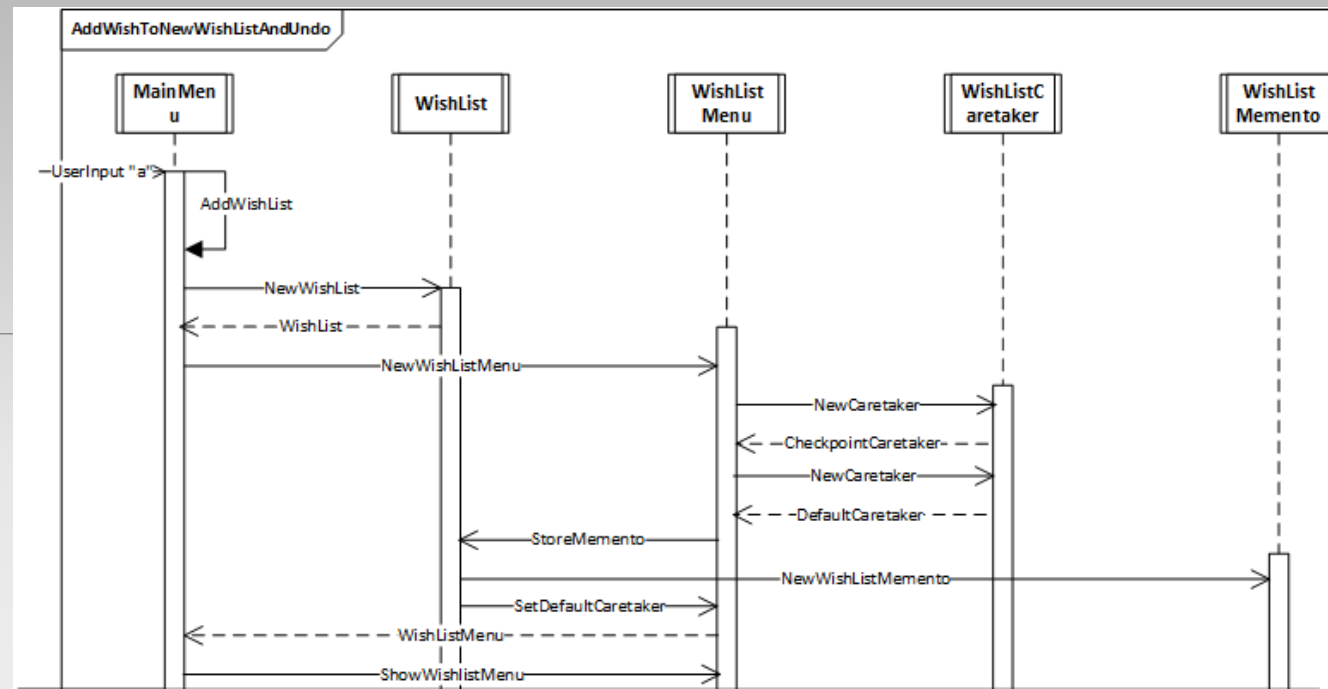
- Not very used
- Can often be exchanged for another pattern



Class - Wishlist

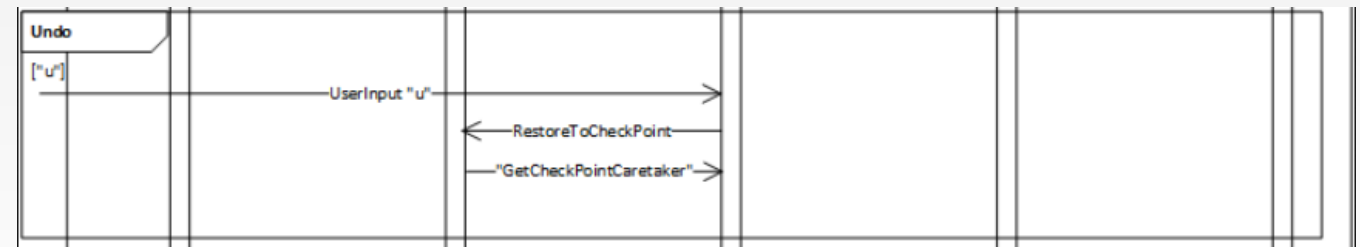


# Sequence Diagram



Add wish

Undo last change



# Reflection & Conclusion

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- Encountered issues
  - Finding a problem to solve with Memento
- Similar patterns
  - Command
- Conclusion
  - Very useful for lightweight programs
  - Easy to implement and reuse for rollback functionality