### Decorator

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### Problem

- Add new feature to an object at run-time
- Inheritance is static and applies to entire class

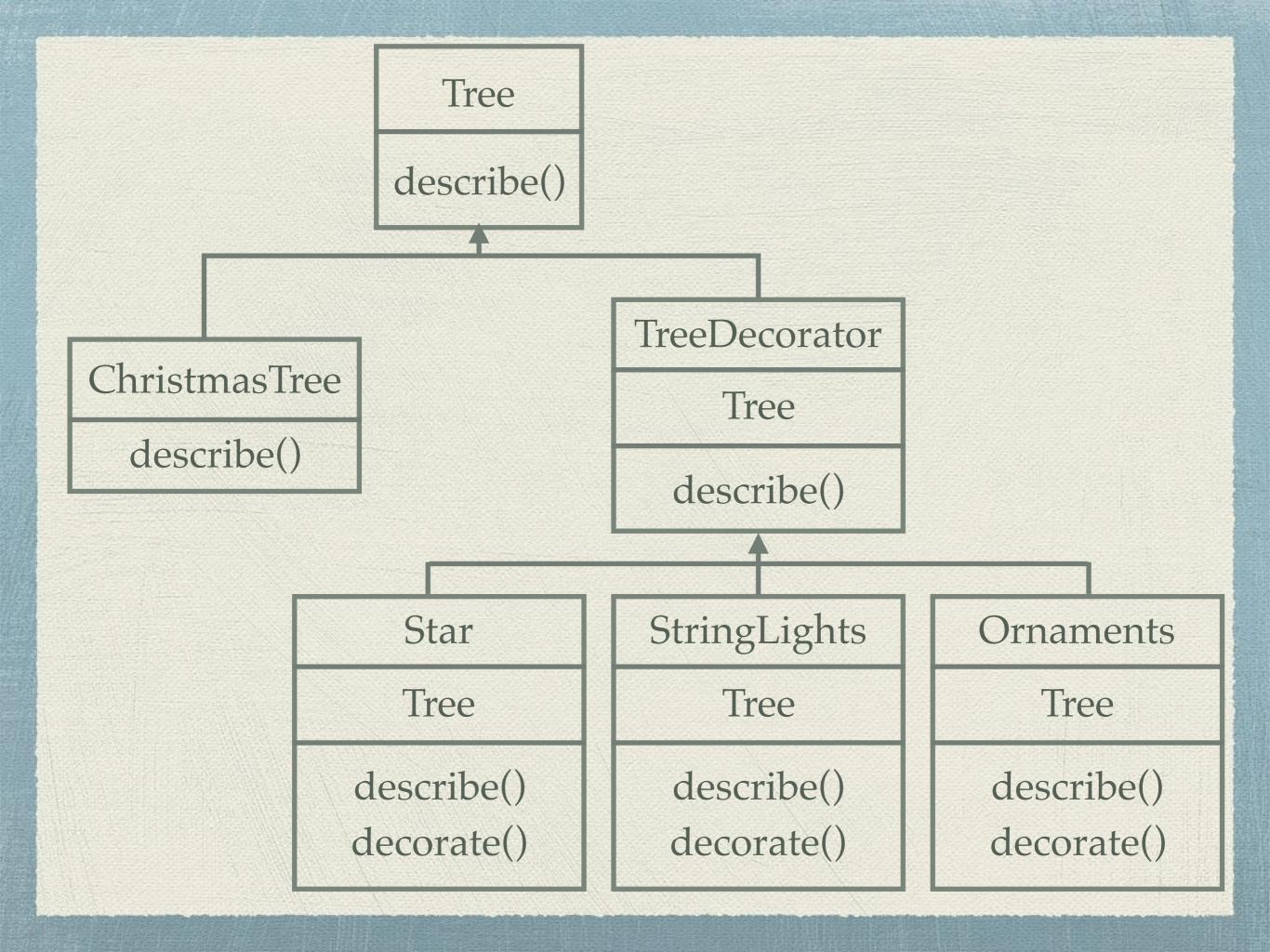
### Benefits

- Intact object add new functionality without changing the structure of the object at run-time
- Elasticity specify whatever combination/ order of features we want
- Unlimited number of decorator layers
- Reduce number of subclasses

Christmas Tree decoration

# Participants

- Interface
- Core object
- Abstract Decorator class
- Decorator



## Implementation

- Basic decorator usage
- Multiple decorator layers

### Conclusion

- With decorators, functionalities can be added or removed at run-time easily
- Lots of objects look alike
- Core object access is a problem

Thank you