Homework #6

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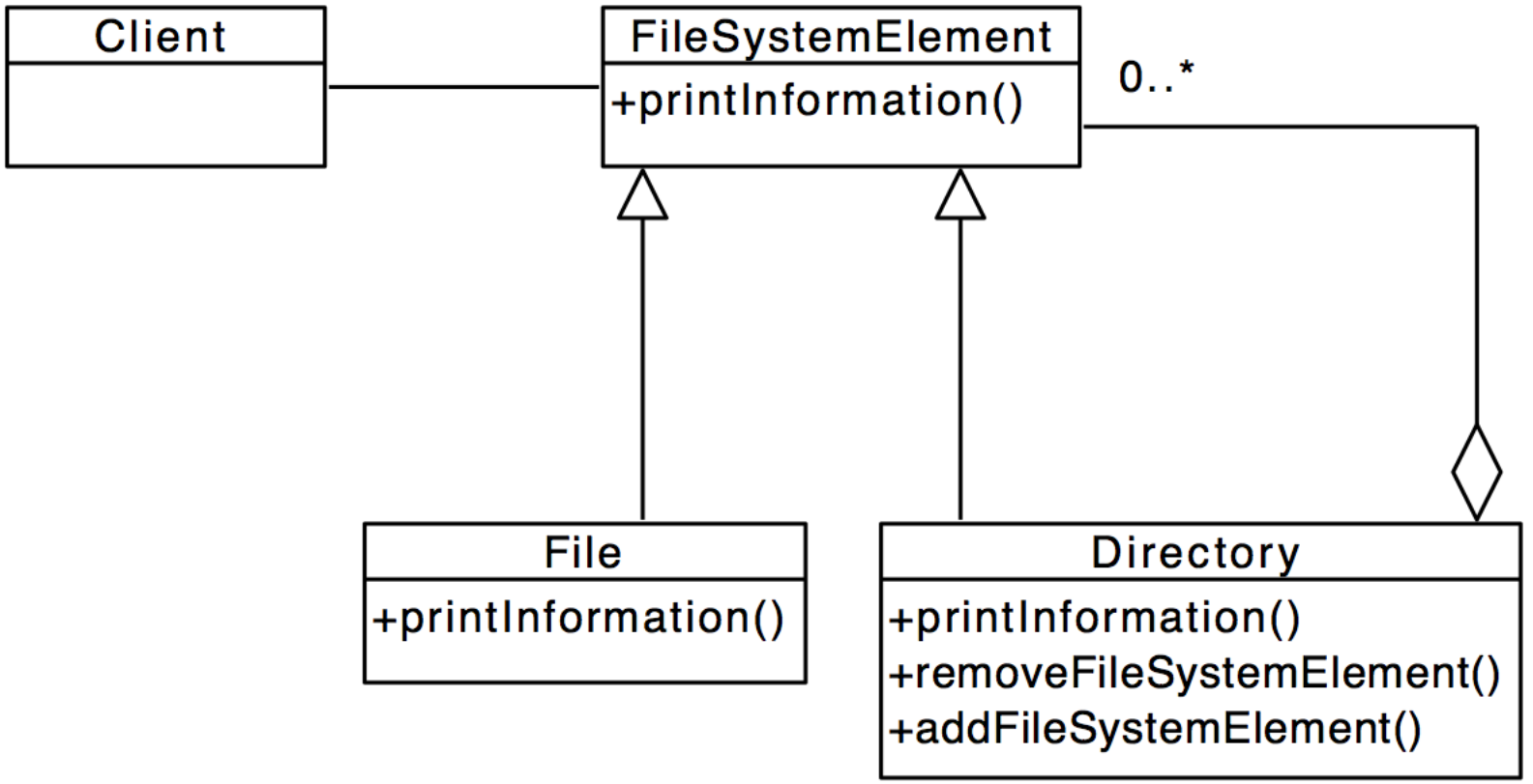
Questions

1. Name the pattern used in the following UML diagram



Questions

2. Implement the previous UML diagram in Java
3. What are the benefits of using design patterns?
4. What are the characteristics of the observer pattern?
5. Describe a scenario where you would use the observer pattern.

Questions

You are currently in charge of implementing a new system for predicting the time, location and intensity of earthquakes. Your system should be implemented in Java and your manager asked you use an existing software that can calculate the strength of an earthquake and that has made good predictions in the past. However, this system is implemented in C++.

6. Which pattern would you use to enable the classes of both systems to communicate with each other?
7. Draw a class diagram modeling the communication between the classes from both systems, that uses the selected pattern. Use UML for answering this question.