

MPP Quiz 2

Problem 1: Exercise 5.1 for the following examples and argue the benefits of using factory

■ lesson5.lecture.factorymethods3.dataaccess

1. Which class plays the role of **Factory**? -> **DataAccessFactory**
2. Which class plays the role of **Client**? -> **Dao**
3. Which interface plays the role of **Product**? -> **DataAccess**
4. Which class plays the role of **Concrete Product**? -> **DataAccessSystem**

■ lesson5.lecture.factorymethods2

1. Which class plays the role of **Factory**? -> **RuleSetFactory**
2. Which class plays the role of **Client**? -> **AddrWindow, ProfileWindow**
3. Which interface plays the role of **Product**? -> **RuleSet**
4. Which class plays the role of **Concrete Product**? -> **AddressRuleSet, CustomerProfileRuleSet**

Visible Benefits: As we can see from the figure, that Factory pattern removes the instantiation of actual implementation classes from client code. It makes the code more robust, loosely coupled and easy to extend. This pattern also empowers subclasses to choose the type of object to create.

