1. Factory = DataAccessFactory

Client = Main

Product = DataAccess

Concrete Product = DataAccessSystem

1. Factory = RuleSetFactory

Client = AddressWindow, CustProfileWindow

Product = RuleSet

Concrete Product = AddressRuleSet, CustProfileRuleSet

Factory method is important to use because it has a special create class inside the class to provide instances of the class. And it has the following advantages.

-a way of encapsulating the logic of object creation which is typically done in constructor

-it is important because it provides an approach to code for interface rather than implementation.

-Factory methods have a name – easier to understand what is being requested, and to distinguish between different kinds of invocations on an object

-Can control access to instances.

-Solves the problem that a class can have only one constructor with a given signature

-Unlike constructors, factory methods are not required to create a new instance every time they are invoked.

-Unlike constructors, factory methods can return a subtype of the requested type, or an implementation of an interface type only if it is not null.