**Observer Pattern**

MRUNAL PATIL – 3101851

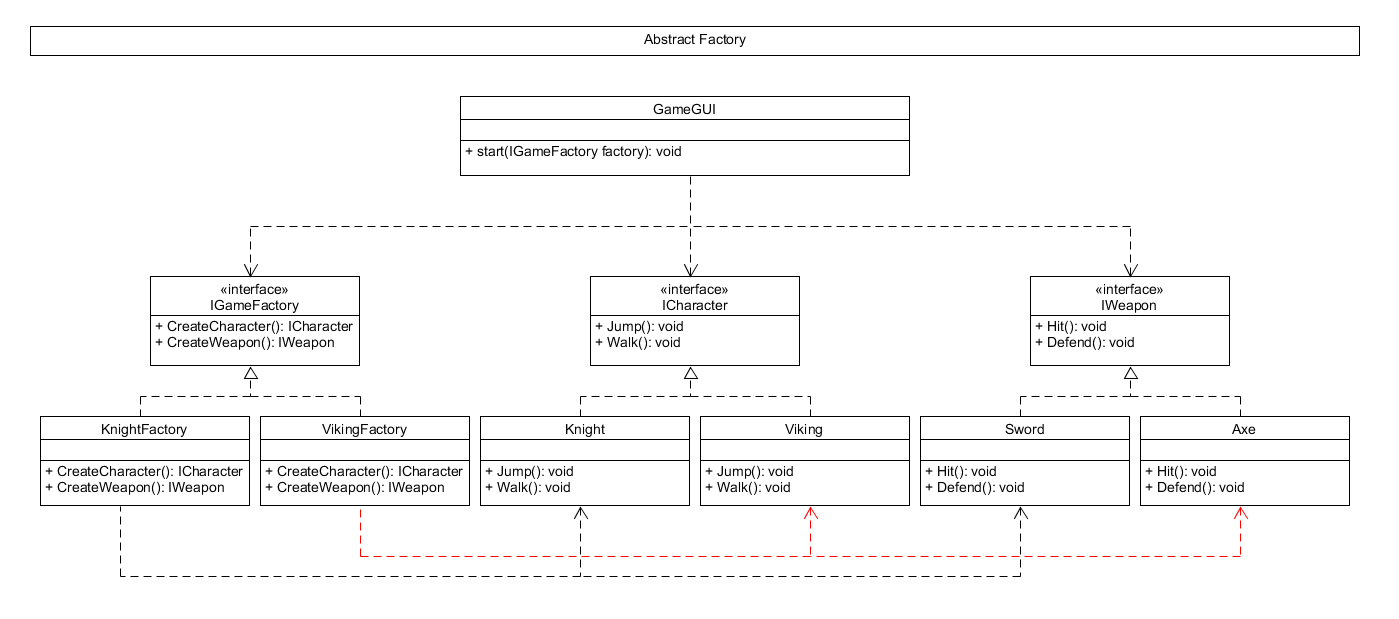
EMIL KARAMIHOV - 2992884

**The Pattern Problem**

**Abstract Factory** is a creational design pattern that lets you produce families of related objects without specifying their concrete classes.

* Reusability
* Extensibility
* Maintainability

**Design Pattern Solution**



**Consequences**

* Positive consequences

1. Follows the Open/Closed Principle.
2. Allows building families of product objects and guarantees their compatibility.
3. Avoids tight coupling between concrete products and code that uses them.
4. Divides responsibilities between multiple classes.

* Negative consequences

1. Increases overall code complexity by creating multiple additional classes