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CSE 460 Creational Patterns Assignment 1

5/3/17

**List of Appeals Items:**

Compilation error: (Jackson Maven Dependencies missing)

Proof of Patterns

In Zip folder you have:

Zip of project With updated readme (You will only need to add the jar files to the path

And then copy paste the commands I give you.)

UPDATED README FILE PLEASE READ BEFORE TRYING TO RUN PROJECT

**Compilation error**

During the packaging of the project, I did not realize that adding the dependencies to the project folder would only reference the jars. I failed to include the jars for the Jackson library in my project folder. In order to remedy this I will repackage the project with the jar files and include them in a zip for submission appeal. Please add the dependencies to your class path for eclipse so that you can import the Jackson libraries for the project. Once you have done this you will be able to run the project and the command prompt will come up with instructions.

**Proof of Patterns**

**Actors:**

Abstract Factory Class = AbstractFactory.java

This file is an abstract class that instantiates interfaces for the two possible functions used to delegate work to the factories

Factory Producer = FactoryProducer.java

This file contains a function of the AbstractFactory type and returns the instance of a singleton factory for either a reading or writing product.

Factory classes = WriterFactory.Java/ReaderFactory.java

These two files instantiate the factor using a private static variable and a private empty constructor in order to implement the Singleton pattern. They each override the abstract factories interface methods for getting the writer or reader product.

Product Classes = Read.java/Write.java

These two files are interfaces for the write and read concrete products.

Concrete Product Classes = ReadJson.java/WriteText.java

These two are the concrete products for the reader and writer objects used to output the menu

OtherPOJOClasses = MenuList.java, MenuOutput.java, FoodItem.java, ItemOutput.java

These files are used to format the output for the WriteText.java file to use when it creates a file with the menu on it. These are POJOs

App.java = Main Method

Through these file descriptions I feel that I have shown that I have the Singleton Pattern as there is only one static instance of each factory file. These an abstract factory class that is used to delegate which factory will be creating the needed object. The Factory method is in place as a I have a factory producer that creates a factory based on the factory classes and creates a concrete product based on the product class. (Note I do not have read or write for xml or html and I am missing a GUI)