

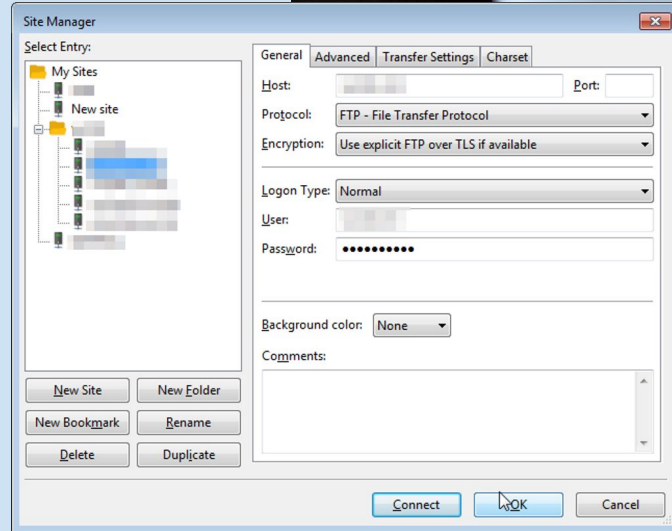
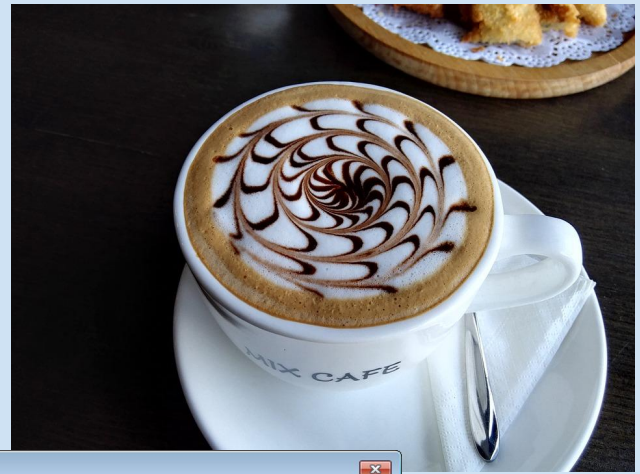
CS 342 Software Design

- **Today: Factory design pattern**
- **Final exam details and review**

Calling 911!



Factory Design Pattern:



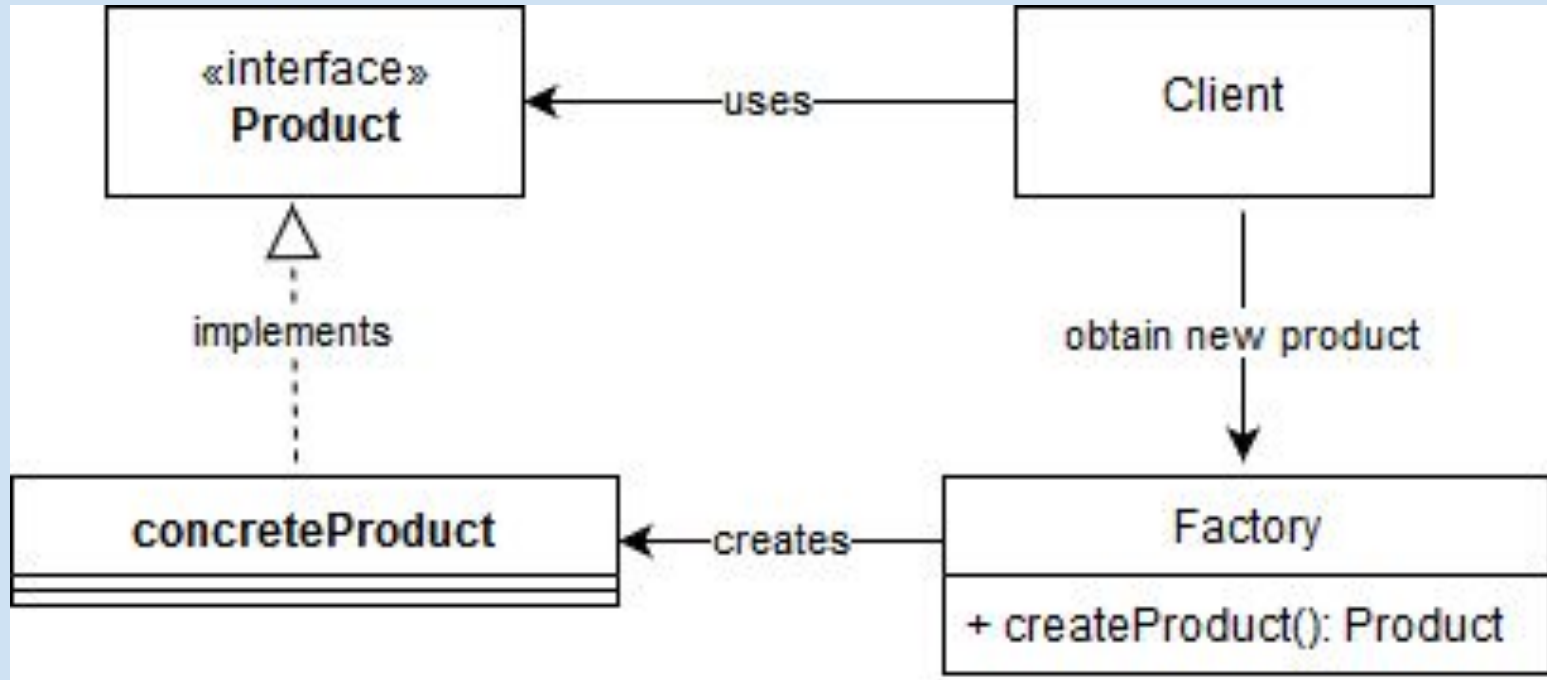
Factory Design Pattern:

- Create different objects, without knowing which ones you will need beforehand, at runtime.
- Creation of the object is abstracted away from its implementation.
- How? Create a “static” class to return type of object needed

Java Examples of Factory:

- Collections
- String
- Java Swing and FX libraries, Android
- A lot more...Factory design pattern is used extensively in Java!

Factory Design Pattern:



Final Exam Details:

- Monday, May 4th, @6pm
- Link to the exam is on your BB course page
- Questions in BB Collab session
- You must log in and start the test by 6:15pm.
- 15 Questions: multiple choice, coding, matching
- Time limit: 90 minutes
- Log in now and go to “practice exam”
- Password: practice342