At present the factory only create sensor instances, yet it may be extended to also create the invokation-string used in the Service constructor, which would allow the RadiatorService and Invoker Service ThermometerService to be made generic. This will allow the Service base implementation to be sully qualified and configurable via the SensorFactory. Sensor <<interface>> **ThermometerService** SensorFactory RandomThermometerFactory NewThermometerFactory <<Creates>> <<Creates>> RandomThermometer NewThermometer

There is an invisible dependency between ThermometerService and the ...ThermometerImpl in the shared java Object base class. It would be possible to include some protocol enforcement between the Thermometer service and the ...ThermometerImpl, by creating a common interface, e.g. Thermometer. The reason this is avoided is that it will allow the SensorFactory to create arbitrary sensors (one might consider a Sensor interface, yet at present one is not needed).