

## Capstone 2-3 Assignment

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### Code Smells

Code Smell	Location of Code Smell	Description	Solution
Data Class	Dimensions.java	Dimensions.java only stores the dimensions of an Item.	Move the attributes and methods in Dimensions.java into individual attributes in the Item.java.
Law of Demeter	Item.java setId() method	The setId() method calls the method UUID.randomUUID() to get a random number. The .randomUUID() method is a static factory, which may lead to coupling and maintainability issues.	Reduce the coupling of the class by doing this:  <pre>import java.util.UUID; public class Item extends Observable {     ...     private String id ;     public void setId(){         this.id = setRandomID();     }      private String setRandomID(){ // decreases coupling         return UUID.randomUUID().toString();     }     ... }</pre>