

- Develop class definitions for each of the following classes.
  - For each class include the indicated properties. Declare all properties **private**.
  - For each class, include the indicated methods. Declare all methods **public**.
  - Instantiate objects of each class using the Bluej interface.
  - Test the methods of against the objects using the Bluej interface.
  - Write a *separate class* with a **main** method in which you instantiate the same objects and invoke their methods.

ClassName	<b>private</b> Properties	<b>public</b> Methods (i.e. <i>set</i> methods, <i>get</i> methods, other methods)
Book	_title, _author, _pages	setTitle, setAuthor, setPages, getAuthor, getTitle, getPages
Patron	_name, age	setName, setAge, getName, getAge
Rectangle	_length, _width	setters, getters, <b>computeArea</b> , <b>computePerimeter</b>
Point	_xCoord, _yCoord	setters, getters, <b>distanceFrom(Point)</b>
Product	_partNumber, _price	setPartNumber, setPrice, getPartNumber, getPrice
ProductOrder	_orderId, <b>_product</b> , _quantity	setters, getters, <b>computeOrderCost</b>
FoodItem	_foodName, _fatGrams, _proteinGrams, _carbGrams	setters, getters, <b>computeCalories</b>
MedicalProcedure	_procedureName, _insuranceCode, _hourlyCost, _hours	setters, getters, <b>computeProcedureCost</b>