DEBORA CORREA BATISTA BASTOS
ID 6213122
TOOL: Lucidchart

ICA-2-1 ---------- (Rectangle Class)   Design a
UML Class Diagram for the Rectangle class.
Create a class Rectangle with attributes length
and width, each of which defaults to 1.0.
Provide methods that calculate the rectangleâ€
™s perimeter and area. It has set and get
methods for both length and width. The set
methods should verify that length and width are
each floating-point numbers larger than 0.0 and
less than 20.0. Write a program to test class
Rectangle.

Rectangle

-length: float
-width: float

+getLenght(length > 0 && length <20): float
+getWidth(width > 0 && width <20): float

Perimeter

+getPerimeter((lenght + width) *2): float

Area

+getAreat(length * width): float