# DESIGN

Main

# Initialize Rectangle rectangle1 with height 40, width 4

# Initialize Rectangle rectangle1 with height 35.9, width 3.5

# Output: "The area of a rectangle with width " + rectangle1.getWidth() + " and height " + rectangle1.getHeight() + " is " + rectangle1.getArea()

# Output: "The perimeter of a rectangle is " + rectangle1.getPerimeter()

# Output: "The area of a rectangle with width " + rectangle2.getWidth() + " and height " + rectangle2.getHeight() + " is " + rectangle2.getArea()

# Output: "The perimeter of a rectangle is " + rectangle2.getPerimeter()

UML

A screenshot of a rectangle

Description automatically generated

Diagram

A diagram of a rectangle

Description automatically generated

# TEST PLAN

|  |  |  |  |
| --- | --- | --- | --- |
| Test # |  | |  |
| 1 | *No inputs needed.* | The area of a rectangle with width 4.0 and height 40.0 is 160.0  The perimeter of a rectangle is 88.0  The area of a rectangle with width 3.5 and height 35.9 is 125.64999999999999  The perimeter of a rectangle is 78.8 | |

# SCREEN SHOTS

1

A screenshot of a computer

Description automatically generated