

SOLID Principles Exercise

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The 1st Problem: Rectangle & Square

◇ You should find the following files inside the downloaded zip:

◇ Rectangle.java Class — model w

Square นี่คือ

Rectangle class contains width, height, and a method to calculate area.

◇ Square.java

Square class extends Rectangle and override some of its methods.

◇ Main.java

Main.java demonstrates the problem. Feel free to edit the file as you see fit.

◇ **Please refactor the Rectangle and Square class to avoid the problem from LSP violation!**

◇ **After refactoring, Rectangle and Square must be somehow related.**

เกี่ยวข้องกัน

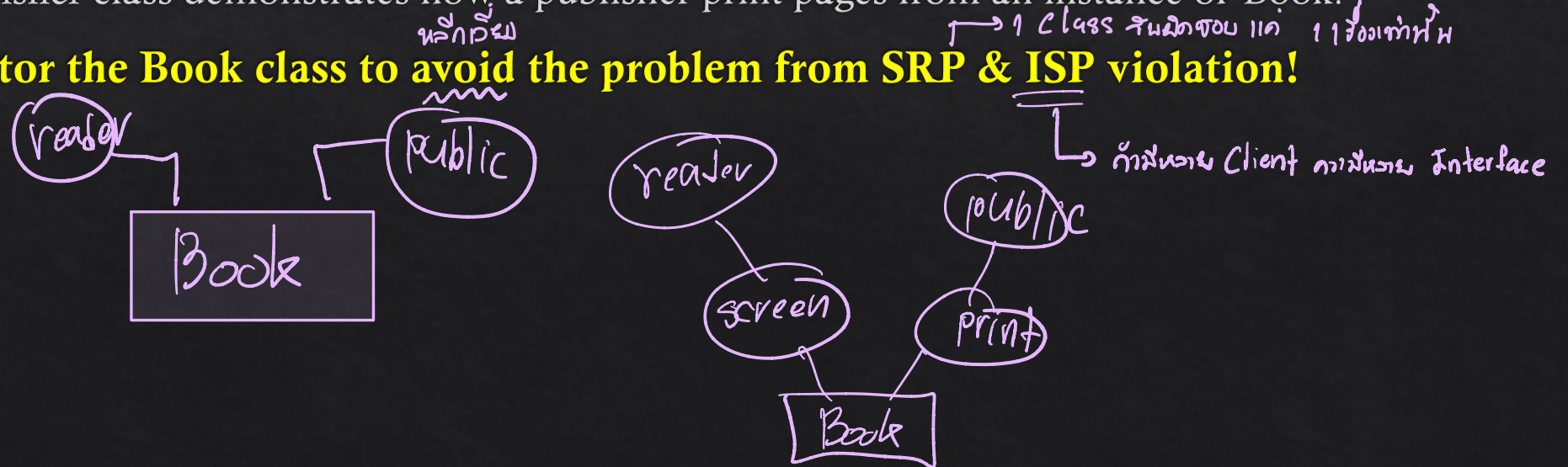
- Abstract

main, square นี่
rectangle นี่

The 2nd Problem: Book Printing

- ◆ You should find the following files inside the downloaded zip:
 - ◆ Book.java - *class*
Book class contains title, pages (a list of strings) and methods to print pages.
 - ◆ BookReader.java - *Client*
BookReader class demonstrates how a reader print pages from an instance of Book.
 - ◆ BookPublisher.java - *Client*
BookPublisher class demonstrates how a publisher print pages from an instance of Book.

- ◆ **Please refactor the Book class to avoid the problem from SRP & ISP violation!**



About refactoring

- ◆ Refactoring must be done based on good OOP design.
- ◆ Feel free to add new files if you see fit!
- ◆ Please do not edit specified parts of the files as indicated by the comments.
- ◆ Please **DO NOT REMOVE** the code on your GitHub until your grade is out!!
- ◆ If any question, feel free to ask.