

15.03 Assignment Instructions

Instructions: For this assignment, create an interface and then implement it appropriately. You will be revisiting the files you created as a result of your previous work with the Homework project.

1. Create a new project called 15.03 Assignment in the Mod15 Assignment folder.
2. Create new classes to the new project folder as needed while working through this assignment.
3. Copy the classes previously created for the homework project into the project folder. Rename the class names to be version 3.
4. Create an interface called Processing. It will contain one abstract method for doing homework.
5. Update the `Homework3` abstract class to implement the interface. The abstract class will not implement the method for doing homework.
6. Update your four subject classes so that they implement the method for doing homework.
 - a. Homework is done by completing part of the task such as reading pages. If your math course assigned four pages to read, when you do homework, the method will subtract the number of pages you have read and update the number of pages left to read.
7. Update the client class to test this project.
 - a. Create an instance of each course subject.
 - b. Create an assignment for each course.
 - c. Use an array list to organize all the courses. Remember to use the `List` interface.
 - d. Display homework assignments before and after reading is completed.

Expected Output: This is a sample of the expected output. The details will vary based on design choices you make while completing the project.

