Final Project Specifications

Complete the project (Personal note- similar to mod 9 topic 4)

MVC Web App Class is StudentWorkerModel (inherited from Student) with properties name, id, hourly pay, hours worked, and method weeklySalary(). Notes some properties might belong in the Student class. Make sure your method calculates the weekly salary using the class methods, there is no need to pass any values to the method. Set the values in the code, and on the page, display student name and the weekly salary.

Must be a Web Application

GUI components:

Button

Clear

User Input for necessary information in your model

Model should include input validation and print to GUI when non-numeric input or invalid input is input

Documentation

Comments

Header must include problem description

Must include at least 2 classes

Demonstrate inheritance

Demonstrate method overloading

Demonstrate method overriding

Follow naming conventions

Follw our class style (Constructors, Properties, methods, etc)

Must include Unit tests with good coverage (include edge cases and use cases)

Test your StudentWorker Model:

Business logic: Workers can work 1 to 15 per week and pay rate starts at $7.25 and can be up to $14.75 per hour. If there is an issue, pay should be returned as zero. The administrator will check for zero paychecks to fix errors and re-run payroll for those individuals. NOTE: Think about if it makes sense to throw exceptions in the class. Do you know how to handle those in the Web App view? It might be better to avoid them and use input validation to handle input. What can you set the salary to if there is bad input?

Add Unit Tests:

Use appropriate test names

Follow Unit Testing style shown in class

Use variables actual and expected (when needed)

Use comments to create code blocks appropriately

// Arrange

// Act

// Assert

Test 1. Invalid hours worked (too low)

Test 2. Invalid hours worked (too high)

Test 3. Invalid hourly salary (too low)

Test 4. Invalid hourly salary (too high)

Test 5. Valid test

Submit a zip file of the Solution (There should be a two projects) names FinalYourLastName.zip