|  |  |  |  |
| --- | --- | --- | --- |
| Author (person who wrote the code) | |  | |
| Reviewer (person who did the beta review) | |  | |
| Date Reviewer received the code |  | Date review was sent to the author |  |

Instructions  
The author of the beta code will send their code to a review partner before the deadline shown on Moodle. The reviewer will fill out the “Beta” column of this form, and then send this form to the author before the deadline shown on Moodle. The author will revise their code as needed, fill out the “Release” column of this form, and submit this form with the “Release” version of their lab work.

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| --- | --- | --- | --- |
| **Criteria** | | **Beta** | **Release** |
| **Part 1: Chapter 6 Tutorials** | | | |
| How many of tutorials were completed? (3 possible, 6.3 – 6.5) | |  |  |
| Which ones are incomplete (if any)? |  | | |
| Are there screen shots showing each tutorial program running (with the code in Visual Studio showing in the background)? | |  |  |
| Which ones are missing the screen shots (if any)? |  | | |
|  | | | |
| **Part 2: Chapter 6 Programming Problems** | | | |
| ***1. Retail Price Calculator*** | | | |
| Does the UI contain appropriate controls for entering the wholesale cost and displaying the retail price? | |  |  |
| Does the program use a method named CalculateRetail (or something similar) | |  |  |
| Does the method have an appropriate decimal parameter and return a decimal value for wholesale cost and retail cost? | |  |  |
| Does the program build and run without errors or crashing? | |  |  |
| Does it produce the correct results?  (You can test it with the numbers shown in the textbook.) | |  |  |
| Is there a screen shot of the program running and showing results? | |  |  |
|  | | | |
| ***3. Kinetic Energy*** | | | |
| Does the UI contain appropriate controls for entering the mass and velocity? Does it have an appropriate control to display the kinetic energy? | |  |  |
| Does the program use a method named KineticEnergy (or something similar) | |  |  |
| Does the method have an appropriate double or float parameters for mass and velocity? Does it return a decimal or float value for kinetic energy? | |  |  |
| Are the correct results produced? Test with the values below: | | | |
| * mass = 10 kg, velocity = 5 m/s => 125 Joules | |  |  |
| * mass = 50 kg, velocity = 10 m/s => 2,500 Joules | |  |  |
| Does the program build and run without errors or crashing? | |  |  |
| Is there a screen shot of the application running and displaying results? | |  |  |

Continued on the next page.

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| ***8a, Prime Numbers*** | **Beta** | **Release** |
| User interface contains the necessary controls attractively formatted? |  |  |
| Is there a method named IsPrime that has one *int* parameter and returns a *bool* value? |  |  |
| Does the app give correct results for non-prime numbers like : 4, 6, 8, 9 etc. |  |  |
| Does the app give correct results for prime numbers like: 2, 3, 5, 7, 11, etc. |  |  |
| A screen shot showing results has been included? |  |  |

|  |  |  |
| --- | --- | --- |
| ***8b, Modified Prime Number App*** | **Beta** | **Release** |
| User interface contains the necessary controls attractively formatted? |  |  |
| Is there a method named IsPrime with a header like this: bool IsPrime(int number, out bool isValid, out string errorMessage) |  |  |
| Does isValid get set to false if the number passed in is 1 or less? |  |  |
| Is an appropriate error message passed back in errorMessage for the above condition? |  |  |
| Does the app still give all the correct results as it did in the solution to problem 8a? |  |  |
| Runs correctly and produces the correct result? |  |  |
| A screen shot showing results has been included? |  |  |

|  |  |  |
| --- | --- | --- |
| ***Programming style for all programs*** | | |
| Is proper indentation used? |  |  |
| Are the controls used in code, and the variables named descriptively? |  |  |
| Have any unnecessary event handlers been removed? |  |  |
| Are there explanatory comments in the code? |  |  |
| Do variable names use camel case? (camelCase for example) |  |  |
| Are named constants named using ALL\_CAPS? |  |  |
| Are methods named using PascalCase (aka TitleCase) |  |  |

Comments: