|  |  |  |  |
| --- | --- | --- | --- |
| 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** | | | |
| ***2. Falling Distance*** | | | |
| Does the UI contain appropriate controls for entering the time? Does it have an appropriate control to display the distance? | |  |  |
| Does the program use a method named FallingDistance (or something similar) | |  |  |
| Does the method have an appropriate double or float parameter for time? Does it return a decimal or float value for distance? | |  |  |
| Are the correct results produced? Test with the values below: | | | |
| * time = 10 s => 490 m | |  |  |
| * time = 60 s => 17.640 km | |  |  |
| Does the program build and run without errors or crashing? | |  |  |
| Is there a screen shot of the application running and displaying results? | |  |  |
|  | | | |
| ***3. Calories from Fat and Carbohydrates*** | | | |
| Does the UI contain appropriate controls for entering fat grams and carb grams? Are there appropriate controls to display the calories from fat and the calories from carbs? | |  |  |
| Does the program use a method named FatCalories (or something similar) that has an appropriate double or float parameter for grams of fat? Does it return a decimal or float value for calories? | |  |  |
| Does the program use a method named CarbCalories (or something similar) that has an appropriate double or float parameter for grams of carbs? Does it return a decimal or float value for calories? | |  |  |
| Are the correct results produced? Test with the values below: | | | |
| * fat grams = 10 => 90 calories | |  |  |
| * carb grams = 10 => 40 calories | |  |  |
| 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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| **Criteria** | **Beta** | **Release** |
| ***7a. Present Value*** | | |
| Does the UI contain appropriate controls for entering future value (in dollars), annual interest rate (in percent), and years (whole numbers)? Is there an appropriate control to display the present value in dollars? |  |  |
| Does the program use a method named PresentValue (or something similar) that has an appropriate double or float parameter for interest rate, decimal parameter for future value and an int parameter for years? Does it return the future value as a decimal? |  |  |
| Are the correct results produced? Test with the values below: | | |
| * interest = 5%, future value = $10,000, years = 10 => $6,139.13 |  |  |
| * interest = 2%, future value = $4,000, years = 5 => $3,622.92 |  |  |
| Does the program build and run without errors or crashing? |  |  |
| Is there a screen shot of the application running and displaying results? |  |  |

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| ***7b, PresentValue with out parameters*** | **Beta** | **Release** |
| User interface contains the necessary controls attractively formatted? |  |  |
| Is there a method named PresentValue with a header like this: bool PresentValue(double interest, decimal fv, int years, 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 7a? |  |  |
| Runs correctly and produces the correct result? |  |  |
| A screen shot showing results has been included? |  |  |

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| ***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) |  |  |

Comments: