**Computer Programming - Rubric # 1**

|  |  |  |
| --- | --- | --- |
| **Program # 1 - Rainbow** | **Points Possible** | **Points Earned** |
| Does your form contain 7 buttons and a label to display the color clicked upon? | 1 |  |
| Click each button. Give yourself 1 point each time that the correct color appears in the label. | 7 |  |
| Click each button. Give yourself 1 point each time that the correct name color appears in the label. | 7 |  |
| Does the text change to a lighter color font when darker colors are selected? | 3 |  |
| Does the text change to a dark color font when yellow is selected? | 2 |  |
| **Total** | **20** |  |

|  |  |  |
| --- | --- | --- |
| **Program # 2 - Maze** | **Points Possible** | **Points Earned** |
| Is the form organized? (Maze is even, no gaps, appropriate color scheme, even label width, etc..) | 5 |  |
| Did your form utilize at least 12 labels for the walls? (-½ for each missing label) | 6  |  |
| Test ten maze walls. Does the pointer jump to upper left when touched? (-½ for each that doesn't) | 5 |  |
| Does an appropriate “You Win” message appear when you make it to the "finish line"? | 4 |  |
| Extras Added | \* |  |
| **Total** | **20** |  |

|  |  |  |
| --- | --- | --- |
| **Program # 3 - Mario** | **Points Possible** | **Points Earned** |
| When WASD keys pressed, does Mario move in the correct direction? (2 points for each direction) | 8 |  |
| Does the image inside the picturebox change for each direction pressed? (2 points each) | 8 |  |
| Is Mario prevented from leaving the screen in all four directions? (1 pt each) | 4 |  |
| **Total** | **20** |  |

|  |  |  |
| --- | --- | --- |
| **Program # 4 -Schedule** | **Points Possible** | **Points Earned** |
| Does your trackbar have 5 "notches"? (2 points) | 2 |  |
| Drag the trackbar to all five positions. Does a different Hour, Class and Teacher show in the three labels? | 6 |  |
| Does the text in the labels line up and appear in full regardless of the hour selected? (1 points) | 2 |  |
| **Total** | **10** |  |

|  |  |  |
| --- | --- | --- |
| **Program # 5 - MadLibs** | **Points Possible** | **Points Earned** |
| Does your form have 5 textboxes, 1 button and 1 label? | 7 |  |
| Do the words you type in the five textboxes appear in the middle of a story when you click the button? | 10 |  |
| Is your story read grammatically correct.? | 3 |  |
| **Total** | **20** |  |

|  |  |  |
| --- | --- | --- |
| **Program # 6 - Dice** | **Points Possible** | **Points Earned** |
| When the button is clicked, do random numbers (1 to 6) appear in the picture boxes? (1 pt each) | 6 |  |
| Do different numbers appear in the two pictureboxes? | 3 |  |
| Does "Snake eyes!" appear in a message box when double 1s are rolled? | 2 |  |
| Does "Boxcars!" appear in a message box when double 6s are rolled? | 2 |  |
| Does the sum of the two dice appear in the label? | 3 |  |
| **Total** | **16** |  |

Submit this document to Mr. Dixon when you have completed it. Be sure to test each part. If you give yourself points for which you are not entitled, as I will give you a grade of 0 on the assignment!

Extra Credit Policy - I encourage creativity and innovative programming. If you add something to one of the above programs that you believe is worthy of extra credit, write below the project name and what you added to it. I will then open it up, examine your code and decide what your effort was worth. Please note that you are only eligible for extra credit if all other parts of the program are done.

Example:

Maze - I created several fake wall that disappear (visible property) when you make it to certain parts of the maze. I created labels of the same color as the form backcolor to "hide" them from the user.