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| User | Jacob Ellis |
| Course | CIS 200-75: SOFTWARE DEVELOPMENT II-Fall 2012 |
| Test | Exam 2, Part 1 |
| Started | 10/31/12 7:01 PM |
| Submitted | 10/31/12 7:09 PM |
| Status | Completed |
| Score | 18 out of 20 points |
| Time Elapsed | 8 minutes. |
| Instructions | Please answer each question carefully. Make sure if you use the mouse's scroll wheel that you don't accidentally change any of your answers. Verify your answers **before** you submit. |

* **Question 1**

0 out of 1 points

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| ncorrect | The collection of values stored in a **ComboBox** control is accessed through the \_\_\_\_\_\_\_\_ property.  Answer |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | x  DropDownStyle | | Correct Answer: | check  Items | |  |  |  |

* **Question 2**

4 out of 4 points

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| orrect | For each expression T(N) below representing the execution time, classify the algorithm's efficiency order (its dominant term).  Answer |  |  |  |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | Question | Correct Match | Selected Match | | T(N) = 12N4 + 25N2 + 15N | check E.  O(N4) | check E.  O(N4) | | T(N) = 33N + 7log2 N + 21 | check B.  O(N) | check B.  O(N) | | T(N) = 20N4 + 2N + 120 | check F.  O(2N) | check F.  O(2N) | | T(N) = 21N2 + 4N3 + 25Nlog2 N | check D.  O(N3) | check D.  O(N3) | | |  |  |  |

* **Question 3**

14 out of 15 points

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| artial Credit | Mark each of the following statements as **true** or **false**.  Answer |  |  |  |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | Question | Correct Match | Selected Match | | Once a **ToolTip**is added to a **Form**, a new property appears in the Properties window for the form’s other controls. This property appears in the Properties window as *ToolTip on*, followed by the name of the **ToolTip**component. | check A.  True | check A.  True | | Event **MouseEnter** is generated when the mouse cursor enters a (listened to) control's boundaries. | check A.  True | check A.  True | | Menus can have *Alt* key shortcuts which are accessed by pressing *Alt* and the underlined letter. For example, *Alt-F* typically expands the*File* menu. | check A.  True | check A.  True | | When you create a **UserControl**you are creating a single, new control from scratch, completely customizing the control's appearance and functionality not just grouping multiple preexisting controls together. | check B.  False | x A.  True | | **ListBox** *SelectionMode* property value *MultiSimple* only allows the user to select a contiguous range of values. | check B.  False | check B.  False | | **ComboBox** *DropDownStyle* property value *DropDown* means that the text portion is not editable and the user must click the arrow button to see the list of choices. | check B.  False | check B.  False | | A Comma Separated Value (CSV) file is an example of object serialization. | check B.  False | check B.  False | | A *serialized object* is an object represented as a sequence of bytes that includes the object's data as well as information about the object's type and the types of data stored in the object. | check A.  True | check A.  True | | The [Serializable] attribute is used to indicate to .NET that objects of the class can be serialized. | check A.  True | check A.  True | | Though an infinite loop may run indefinitely, *infinite recursion* will usually exhaust the computer's available memory at some point, crashing the application (if not the system). | https://blackboard.louisville.edu/images/ci/icons/check.gif A.  True | https://blackboard.louisville.edu/images/ci/icons/check.gif A.  True | | For *linear search*, the *best case* performance occurs when the target is found in the first position of the array. | https://blackboard.louisville.edu/images/ci/icons/check.gif A.  True | https://blackboard.louisville.edu/images/ci/icons/check.gif A.  True | | For *binary search*, the *best case* performance occurs when the target is found in the first position of the array. | https://blackboard.louisville.edu/images/ci/icons/check.gif B.  False | https://blackboard.louisville.edu/images/ci/icons/check.gif B.  False | | The **NumericUpDown** control's *Value* property may only hold integer values. | https://blackboard.louisville.edu/images/ci/icons/check.gif B.  False | https://blackboard.louisville.edu/images/ci/icons/check.gif B.  False | | When a **Form** has been displayed as a dialog box, it gets dismissed when its *DialogResult* property is assigned a value. | https://blackboard.louisville.edu/images/ci/icons/check.gif A.  True | https://blackboard.louisville.edu/images/ci/icons/check.gif A.  True | | The **ListView** control displays nodes hierarchically in a tree. |  |  | | |  |  |  |