

Last Week

• We

9/8/05

- Started looking at the different types in C#
- o Introduced the concept of the stack and heap
- o Looked at the components of classes
- Covered the difference between reference and value types

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Interfaces

- Classes that have no fields and the methods have no implementations
- The implementations appear in the classes that inherit from the interface
- When a class inherits from an interface it must implement all methods and properties

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Interfaces Example

- · Write a class (Node) that inherits from INode
- Class Node must contain the following fields
 - o m_text

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- o m_height
- o m_width

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 Write the code needed to instantiate your Node class and test all properties and methods

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• 1 larger for every subsequent item

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Boxing and Unboxing Boxing Creates a copy of the value type on the managed heap Unboxing Duplicates a reference type on the stack

C# Default Values

- The following are automatically initialized to their default values:
 - Static variables

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- Instance variables of class instances
 Array elements
- For value types, the default value is 0
- For reference types, the default value is null
- Note that local variables are not considered to be initially assigned

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Summary

9/8/05

- Completed p. 27 38
- Next time we will complete chapter 2
- · We will talk about exception handling

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20