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CS 230 – Dr. Zelle

Case Study

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Programming Language Case Study – C#

C Sharp, usually written as C#, was announced by Microsoft in 2000 and in January 2002 the production version of it was released (Sebesta 103). The name C Sharp comes from the musical notation indicating that the note should be sang/played a semitone higher, which is playing off of the same thing that C++ does, ++ indicating that a variable should be increased by 1, simply by showing that they are both more advanced/modernized versions of the C programming language. C# was created with the purpose of providing a language for component-based software development, specifically for development in the Microsoft .NET Framework (Sebesta 104). The development team of C# has been and is currently led by Anders Hejlsberg who also designed Delphi and Turbo Pascal. This language was created as a part of Microsoft’s .NET Initiative which was basically was a goal of making multiple languages that all work in the same environment (.NET) in which it would be possible to combine components from any of them to create systems (Sebesta 104). The main thing that needs to be understood about C# is that instead of taking the approach that the developers of Java did and removing many features of C++ the C# developers decided to keep all of them except for multiple inheritance. What C# did instead was improve on many of C++’s features to make them safer and/or more useful (Sebesta 104).

Bibliography MLA

Sebesta, Robert. *Concepts of Programming Languages*. Ninth. Pearson Education, Inc., 2009. 103-4. Print.