**Kate Gregory – Simplicity : Not Just for Beginners**

**A summary of The Topic**

1. **What is the point the speaker is trying to make?**

People keep simplicity when they teach, but they don’t keep that simplicity as a real programmer.( simplicity : simple variable name, readable code, etc…) But he wants to make not only beginners to learn coding new, but also programmers as well to keep code simple.

1. **What are some of the motivations for the speakers point?**

As mentioned above, because it is difficult to maintain simplicity in real life, programmers want to make their code difficult. But he said that we need to maintain our code simple.

1. **What are some examples?**
2. What is simple code( I think that these are important )
   1. Expressive
   2. Readable
   3. Understandable
   4. Unsurprising
   5. Transparent
   6. Self explanatory
   7. Reassuring
   8. Pleasant
3. Is Simple code is better than difficult code?
   1. Faster to write. - Yes
   2. More correct – Yes
   3. Run faster and use less resource – No( Don’t choose simplicity than performance if there is a choice )
   4. Easy to read and understand - Yes
   5. Easy to modify - Yes
   6. More fun to create – Yes
4. How to make simple codes
   1. Try to write simple from beginning
   2. Using simple name(Use clear variable name)
   3. Using short functions(If Function do two things, then make two functions)
   4. Avoid long parameter(If there’s four int, then pass the rectangle)
   5. Use const( use const as much as possible )
   6. Keep up with the standard( Use static member initializers and library. )

**Was the talk interesting?**

Yes, it was kind of interesting. We are still learning coding, so I don’t know what the difficult coding means, but I learned a lot about how to make the code simple.

**What did you learn from watching the video?**

How to make code simple.