I will make you a better C# developer 2018 edition Debugging

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Code is hard to debug when you can't read the code

Code is hard to debug when the symptom (issue) is distant from the problem (bug) in time or space

Code is hard to debug when the context causing the bug is transitory

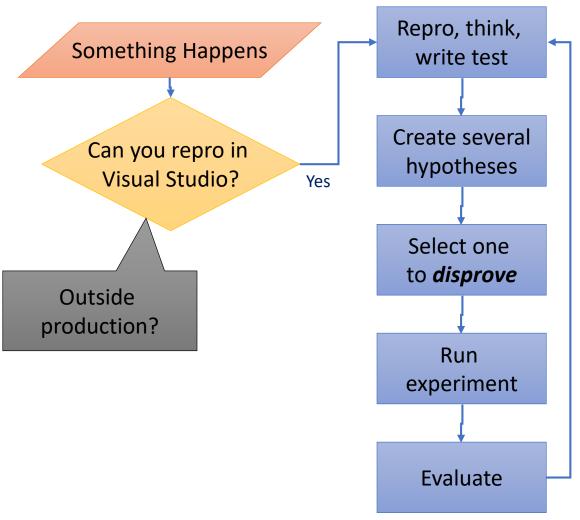
Code is hard to debug when someone gave you incorrect or misleading information

Debugging Strategies

- Divide and Conquer
 - Scientific Method

A good debugging strategy is any strategy you can articulate and repeat

A Debugging Strategy Scientific Method



Scientific Method Walkthrough

Collaborative Debugging Game

- 1. One person imagines a bug. Be VERY specific. Know exactly the broken code and exactly what would happen
 - 1. Helps if it's a bug you've stumbled with
- 2. Everyone else works together to solve the bug by asking what would happen if they ran certain VERY specific tests
- 3. The person imagining the bug may well make mistakes. Be patient. You'll also make mistakes and go down rabbit holes in the real world.
- 4. Take turns imagining the bug



Picard Tips @PicardTips ⋅ Feb 22

Picard artistry tip: Lacking innate talent at a skill doesn't mean you should stop. On the contrary, it means you need to practice.



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