Seven Concurrency Models in Seven Weeks

1. Introduction
   1. Concurrent:
2. A concurrent program has multiple logical threads of control. These threads may or may not run in parallel.
3. **Problem Domain**: your program needs to handle multiple simultaneous (or near-simultaneous) events.
4. Concurrent programs are often nondeterministic —they will give different results depending on the precise timing of events.
   1. Parallel:
5. Executing different parts of the computation simultaneously (in parallel). It may or may not have more than one logical thread of control.
6. **Solution Domain**: you want to make your program faster by processing different portions of the problem in parallel.
7. Parallelism doesn’t necessarily imply nondeterminism
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