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Assignment 6.2

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The case study from chapter 13 of the book focuses on Amazon’s shift from a monolithic architecture to something more akin to a microservice, though even microservice may not be an apt description given the sheer size and quantity of services in use. When Amazon first started it was developed as a single monolith which talked directly to the database behind the scenes, but as Amazon grew, this method became increasingly difficult as the application became larger and more convoluted as time went on, and it became more difficult to scale any aspects. As such, Amazon broke their application down into a variety of independent services, each of which was independent of the others, allowing for much easier maintenance, improvement, and scaling.

The three main lessons learned through this were

* Havning a strict service orientation is a great way to achieve isolation
* Removing direct connections from the client to the database makes improvements and scaling easier to achieve
* Development an operations become much easier and more robust by switching to a service orientation