



#ASLI ENGINEERING

Knowing you
have built a
good system

SWIPE

BY

ARPIT BHAYANI

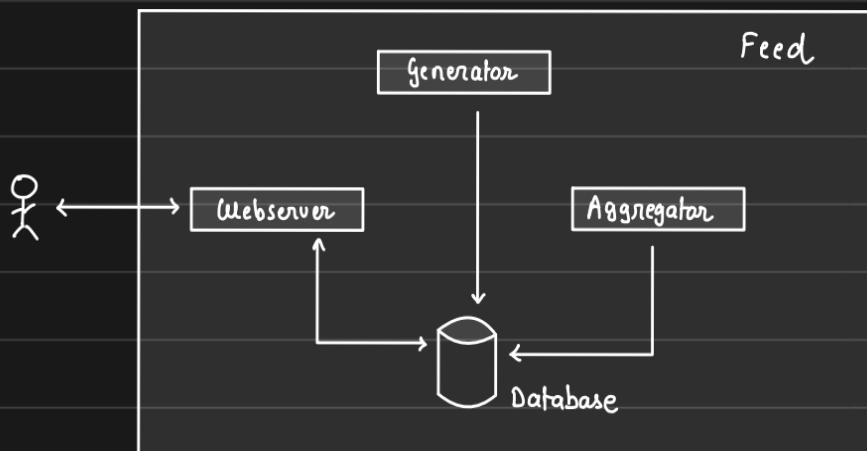
How do you know that
you have built a good system?

Every system is "infinitely" buildable

and hence knowing when to stop the evolution is important

Here are some pointers that will help you

1. You broke your system into components



→ exclusive

2. Every component has a clear set of responsibilities

Feed Webserver → serves feed over HTTP
→ posts, friends, recommendⁿ

Feed Generator → pulls data from multiple services and puts them in DB
↳ candidate feed items

Feed Aggregator → combines candidate items fetch by generator,
filters out redundant, ranks and
creates a final consumable feed

3 For each component, you've slight technical details figured out

1. Database and Caching
 2. Scaling & Fault Tolerance
 3. Async processing (Delegation)
 4. Communication
4. Each component (in isolation) is

Scalable → horizontally scalable

mostly data*

fault tolerant → plan for recovery in case of a failure

↳ to a stable state

available → component functions even when some component "fails"

This is precisely how we would tackle every single system.

structured and detailed