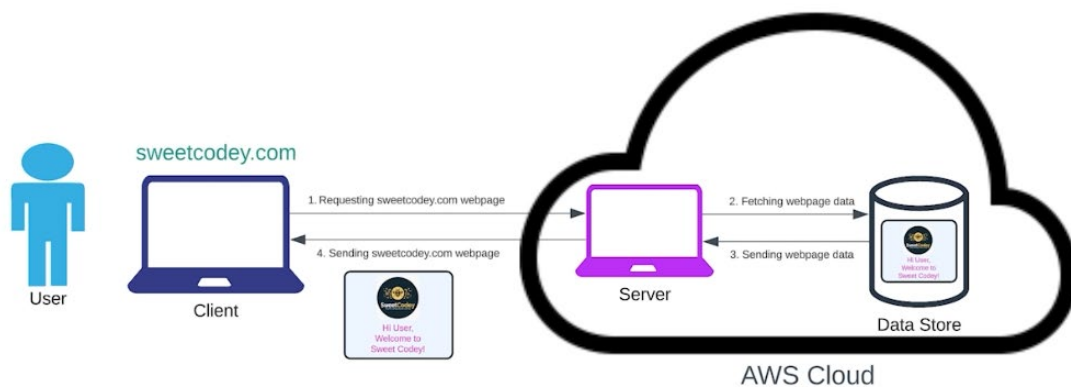# Cloud Computing

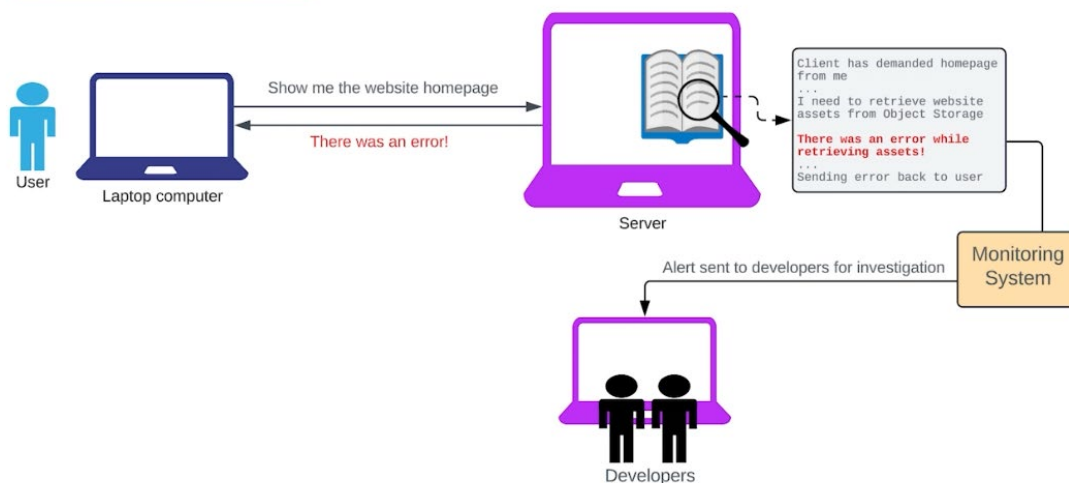# Logging & Monitoring

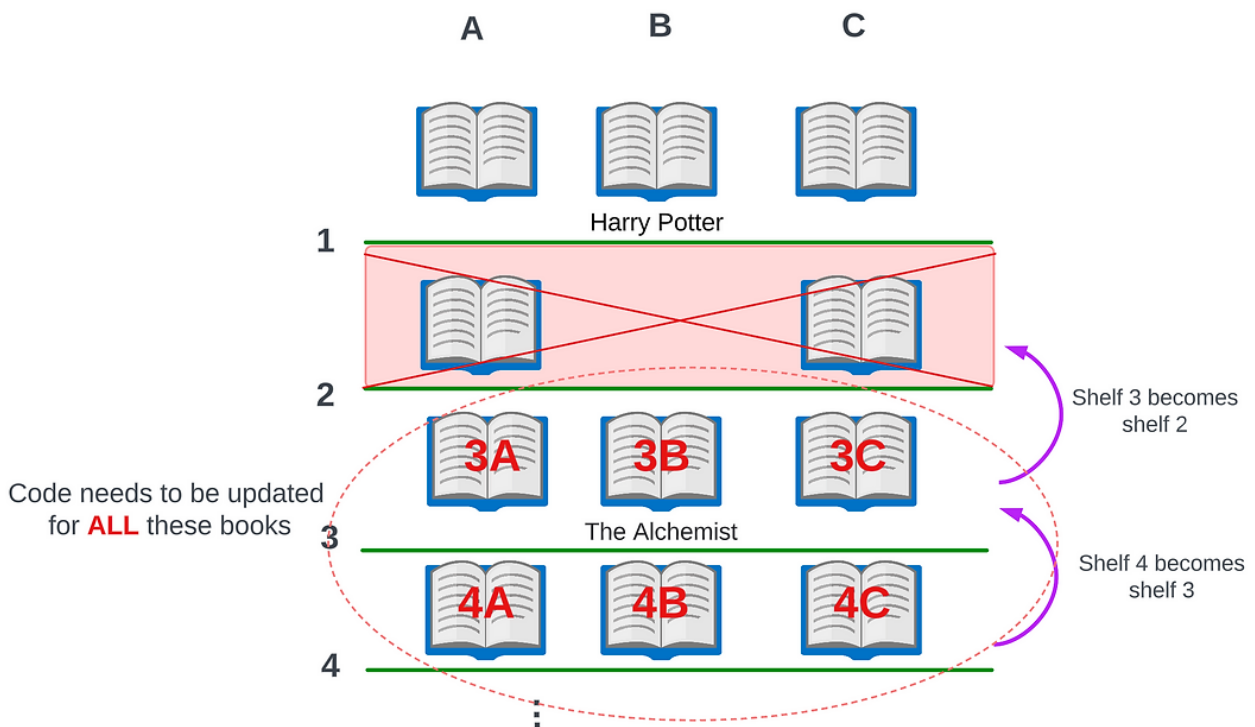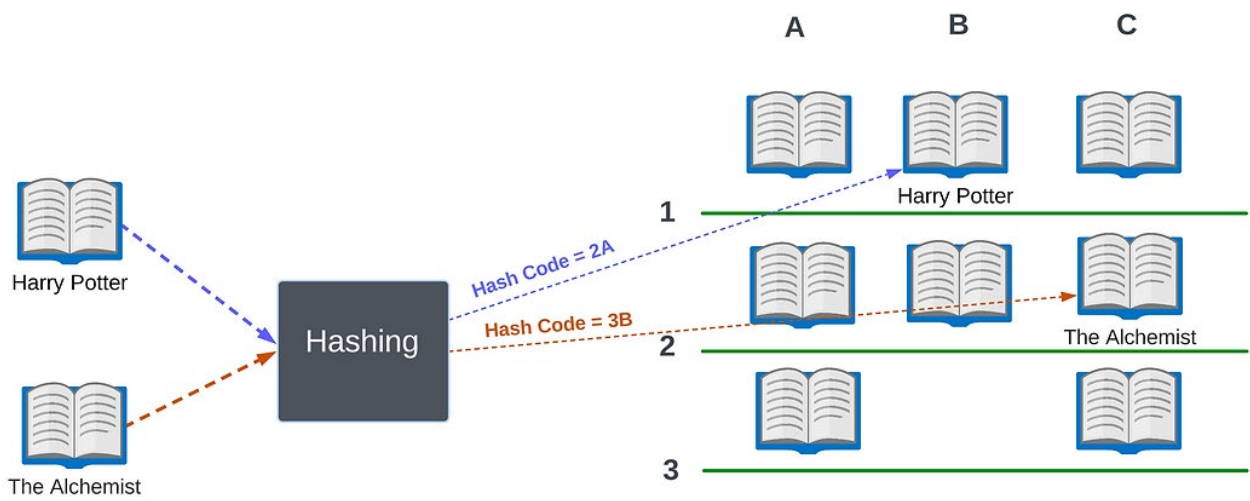## Logging

Server Writing Diary == Logging

Show me the website homepage

Client has demanded homepage from me
...
I need to retrieve website assets from Object Storage

I have retrieved website assets from Object storage
...
Sending webpage back to user

Monitoring

Show me the website homepage

There was an error!

Client has demanded homepage from me
...
I need to retrieve website assets from Object Storage

There was an error while retrieving assets!
...
Sending error back to user

Alert sent to developers for investigation

Monitoring System

Developers

Hashing

A   B   C

Harry Potter

Hash Code = 2A

Hash Code = 3B

Hashing

1   Harry Potter

2   The Alchemist

3

The Alchemist

A   B   C

1   Harry Potter

2

3A   3B   3C

Code needs to be updated
for **ALL** these books

3   The Alchemist

4A   4B   4C

4

Shelf 3 becomes
shelf 2

Shelf 4 becomes
shelf 3

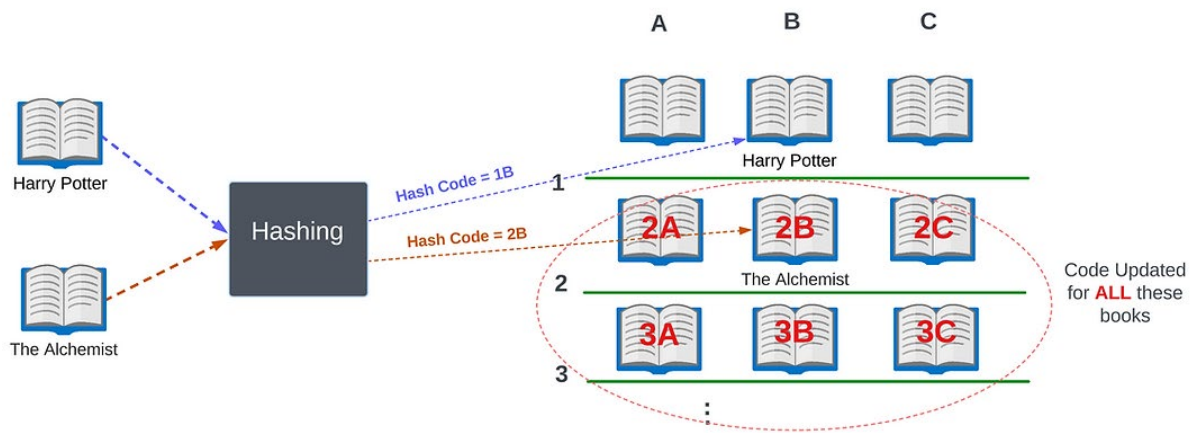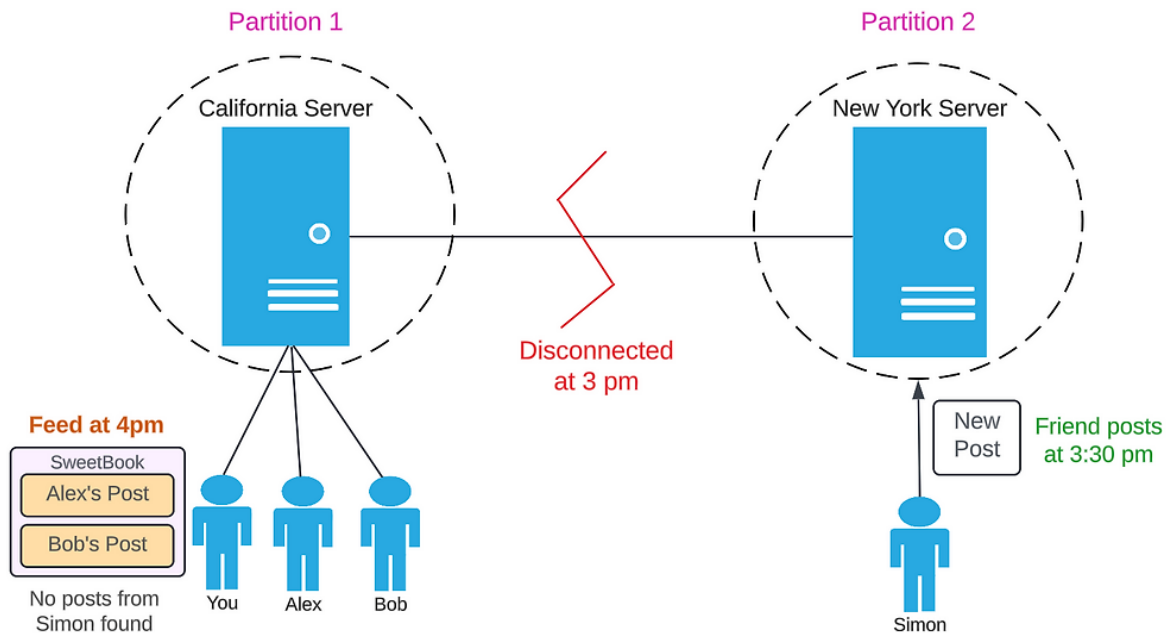# Consistent Hashing

CAP THEORM

Prioritizing Availability

Prioritizing Consistency