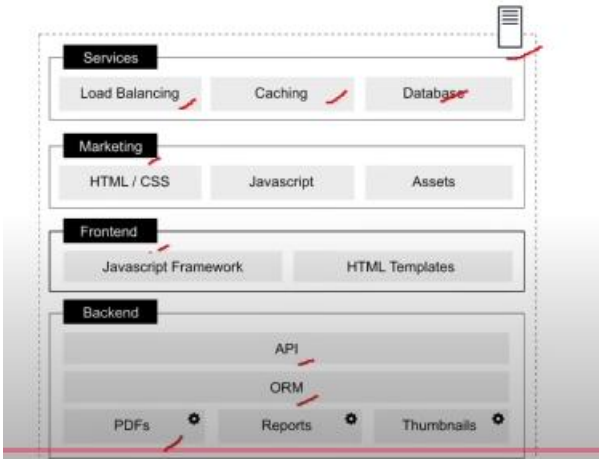
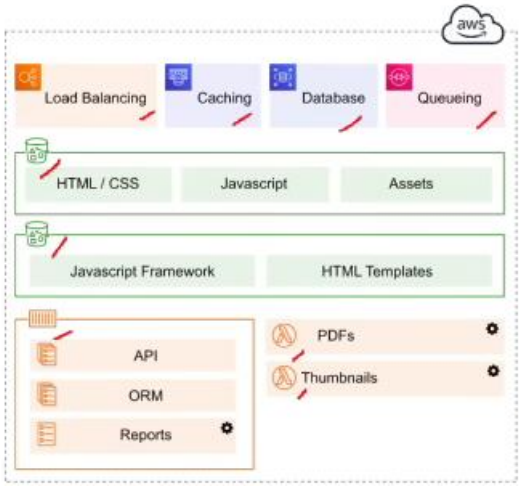
Microservices

Monolithic Architecture
One appl which is responsible for everything functionality is tightly coupled.



Microservices Architectures
Multiple apps which are each responsible for one thing functionality is isolate and stateless



Container Services

Cheat sheets, Practice Exams and Flash cards 👉 www.exampro.co/clf-c02

Primary Services

Elastic Container Service (ECS)
No Cold Starts
Self-Managed EC2

AWS Fargate
More Robust Than Lambda
Scale to Zero Cost
AWS-Managed EC2

Elastic Kubernetes Services (EKS)
Open Source
Avoid Vendor Lock-In

AWS Lambda
Only think about code
Short running tasks
Can deploy custom containers

Provisioning and Deployment

Elastic Beanstalk (EB)
ECS on training wheels
Platform as a Service

App Runner
Platform as a Service
specifically for containers

AWS Copilot CLI
build, release and operate production ready containerized applications on AWS App Runner, Amazon ECS, and AWS Fargate

Supporting Services

Elastic Container Registry (ECR)
Repos for your Docker Images

X-Ray
Analyze and debug between microservices

Step Functions
Stitch together Lambdas and ECS tasks