Wipro – Velocity

Amazon Web Services

Training

emart

Better Price, Better Quality

Team

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Outline

- **Problem Statement**
- **Objective**
- **Architecture**
- **Services**
- **Project Flow**
- **Technology and Tools Used**
- **Conclusion**

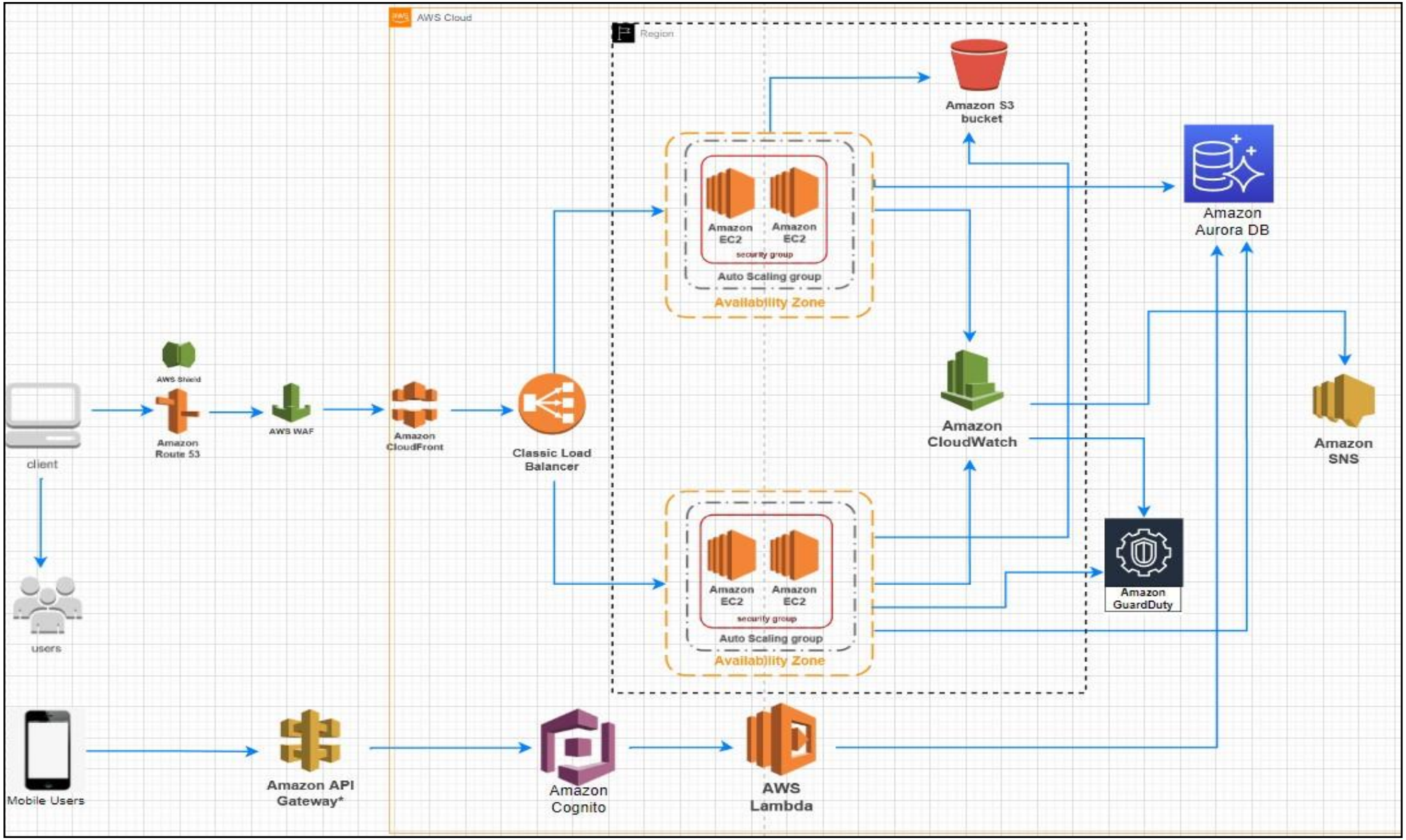
Problem Statement

- Due the lack of quality travelling products at offline market.
- Emart offer the best travelling products with the feasibility of online shopping at affordable range.

Objective

- Emart is a Online Store in the market for Travelling accessories.
- Our objective is to provide best user experience by offering convenient way of online shopping through our wide product gallery, along with easy shopping experience.

Architecture



Services (Route 53)

- Highly Available and Reliable
- Scalable
- Easy configuration
- Improve application performance

Services (AWS Shield & WAF)

AWS SHIELD

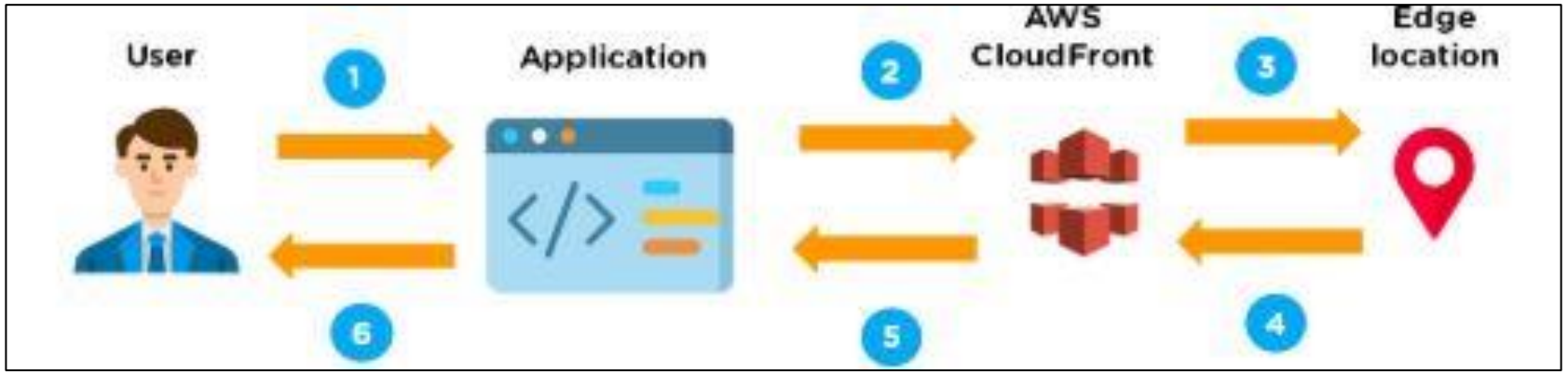
AWS WAF

Protections against Distributed Denial of Service (DDoS) attacks

Protections against web exploits and bots

Services (Cloud Front)

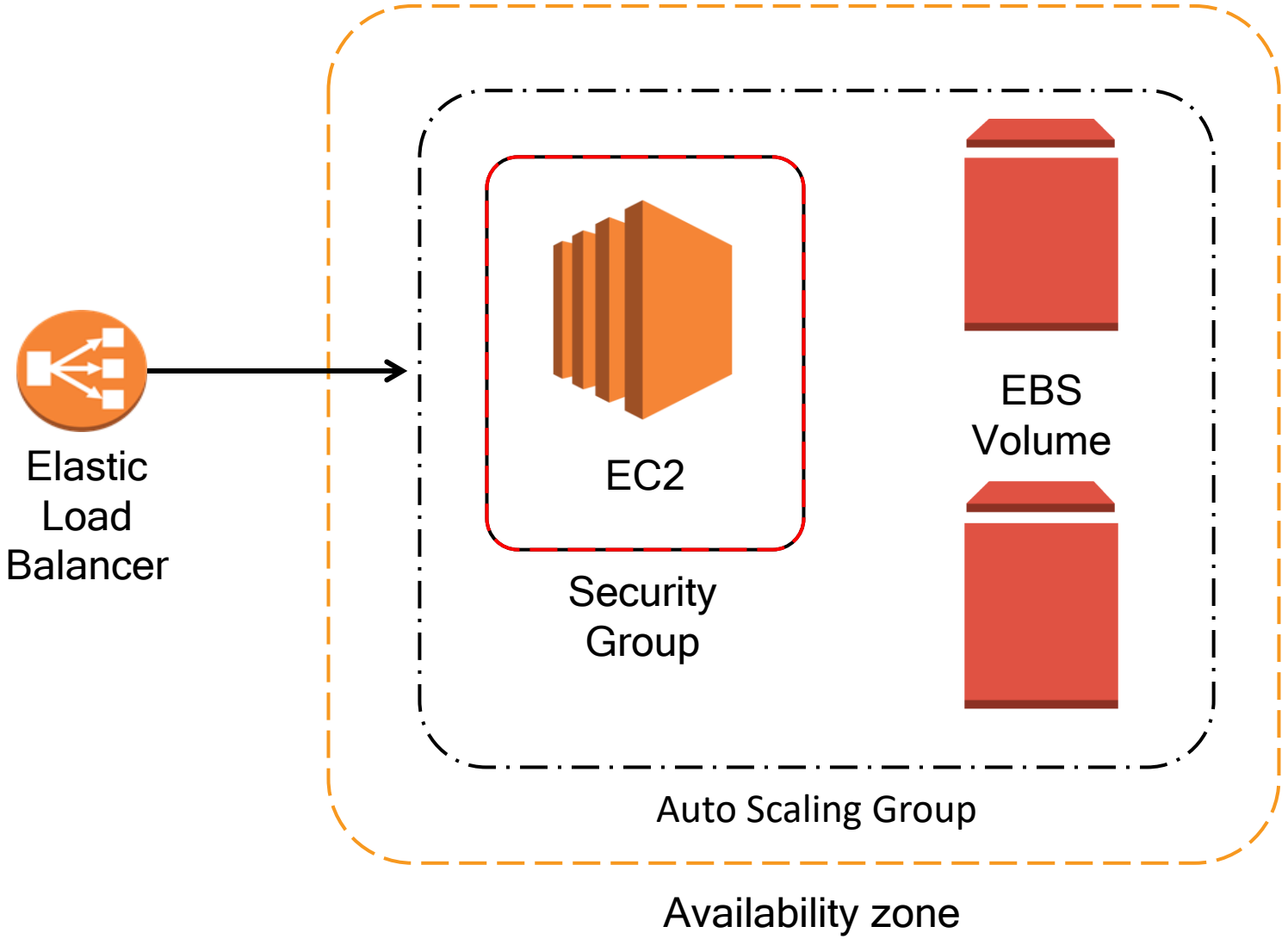
- Speeds up distribution of your static and dynamic web content
- Provide low latency and high performance
- Global delivery using CloudFront Improve application performance



Services (EC2)

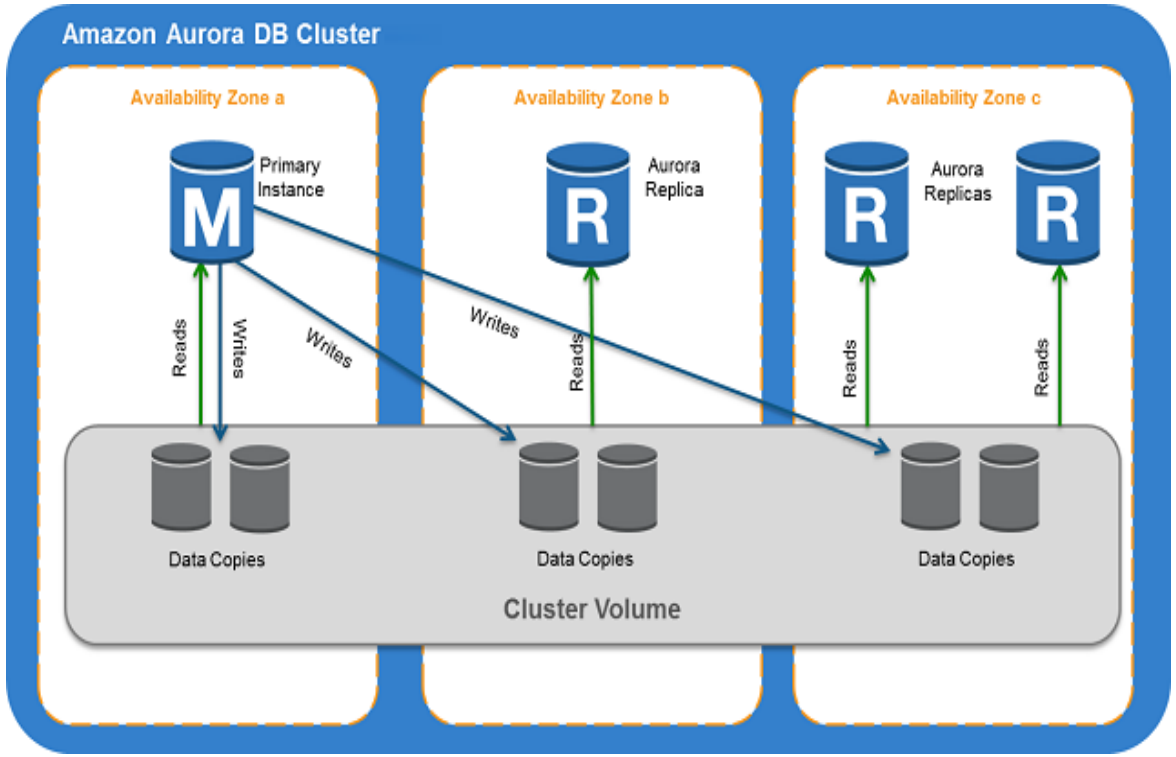
- **EC2** is a service that enables users to run applications on computing environment.
- **Auto Scaling** is used to add and remove EC2 instances as per the demand.
- **Elastic Block Store** is Root volume of EC2.
- **Security Group** controls incoming and outgoing traffic.
- **Load Balancer** automatically distribute incoming traffic across multiple targets.

Services (EC2 (Cont.,))



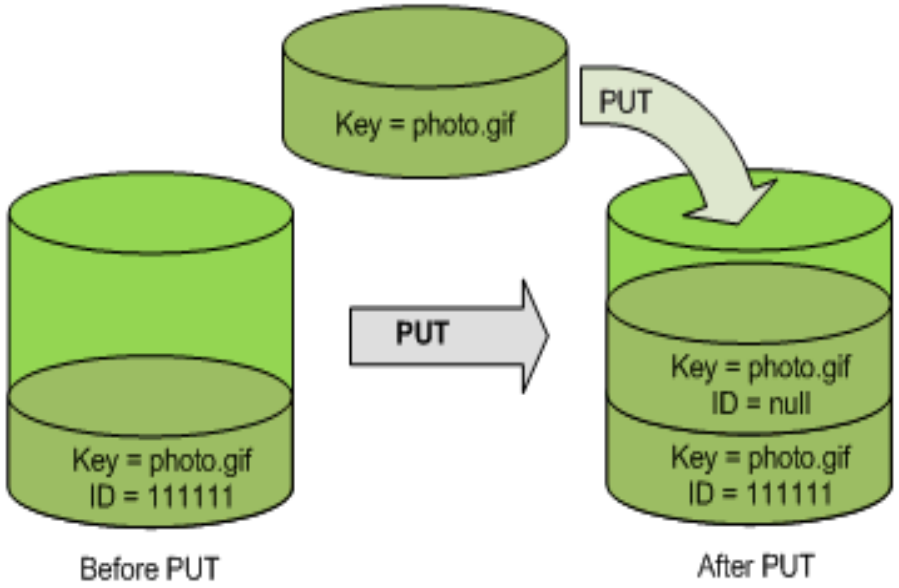
Services (Aurora DB)

- The Amazon Aurora is managed by Amazon Relational Database Service (RDS).
- Availability and Durability
- Performance and Scalability
- Security
- Compatibility with MySql and PostgreSQ



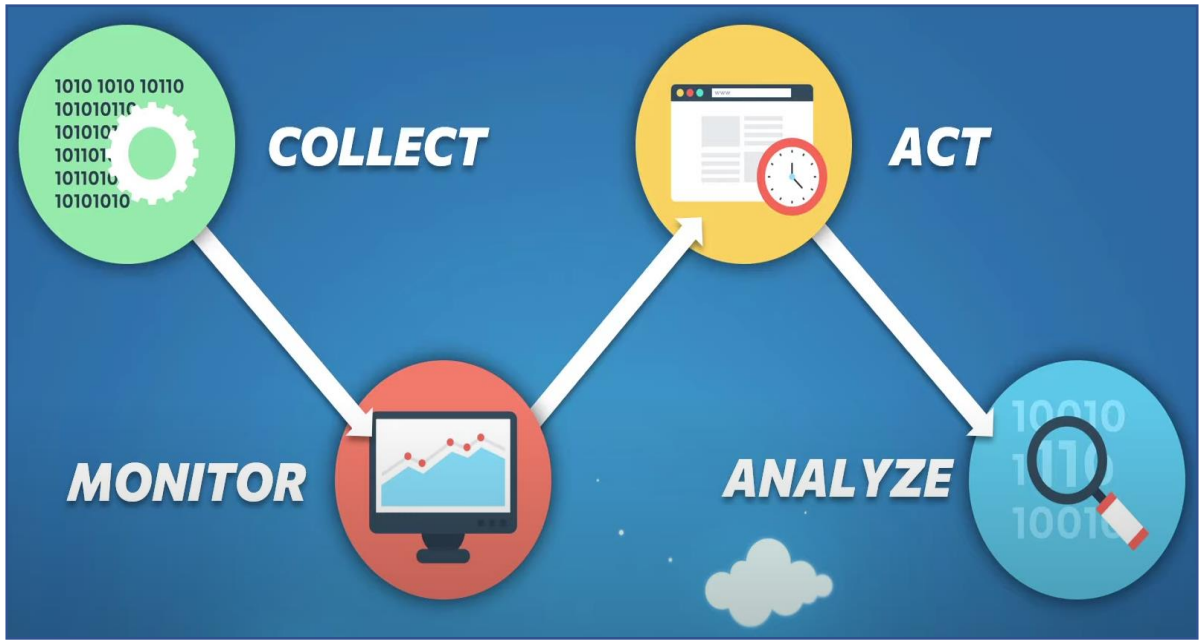
Services (Amazon S3)

- Amazon S3 provides object storage, which is built for storing and recovering any amount of information.
- It move and store data across the S3 Storage Classes.
- Low cost and Easy to Use .
- Higher performance and Scalable.
- Secure.

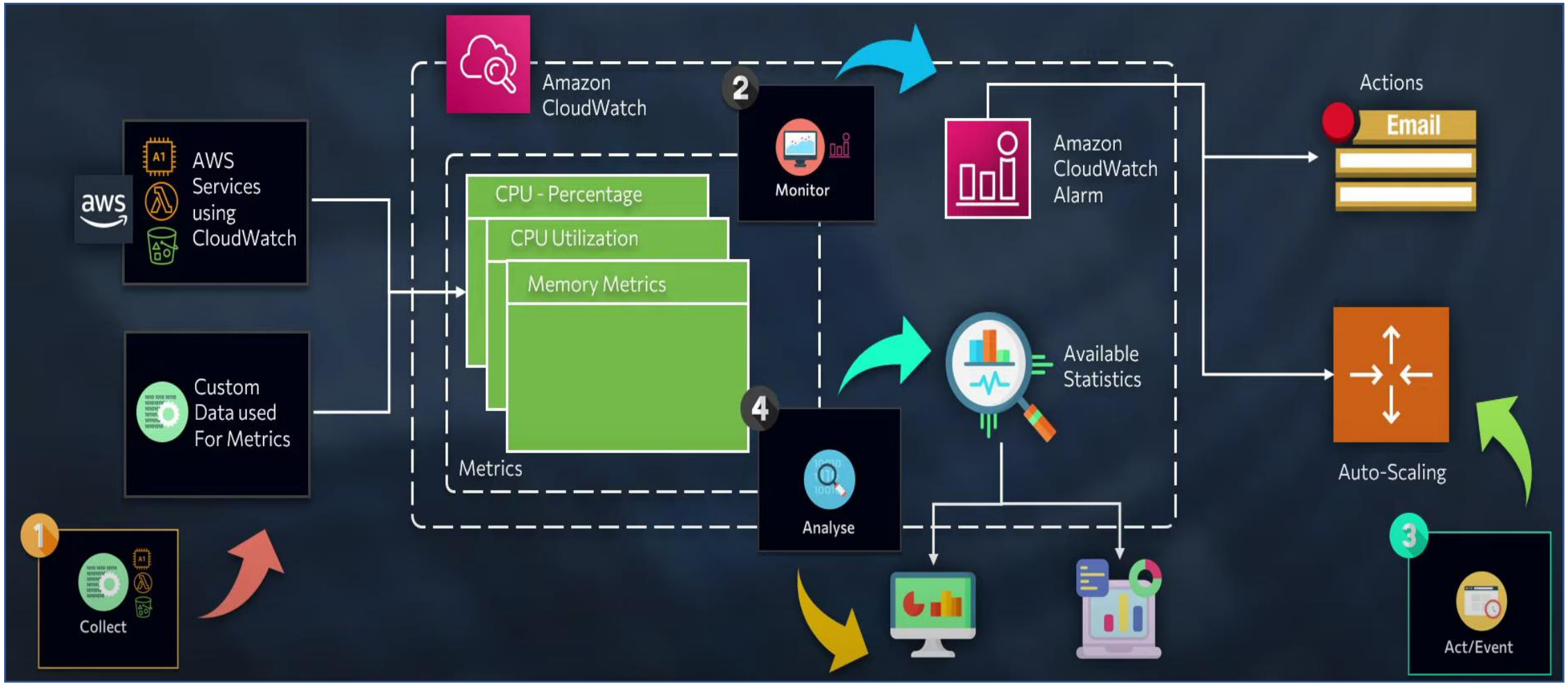


Services (Cloud Watch)

- **Cloud Watch:** Collects, monitoring and operational data in the form of logs, metrics and event and visualize it using automated dashboard so you can get a unified views of your AWS resources, applications and services that run in AWS.
- Effectively usage will surely helps us in debug time and solving issues.

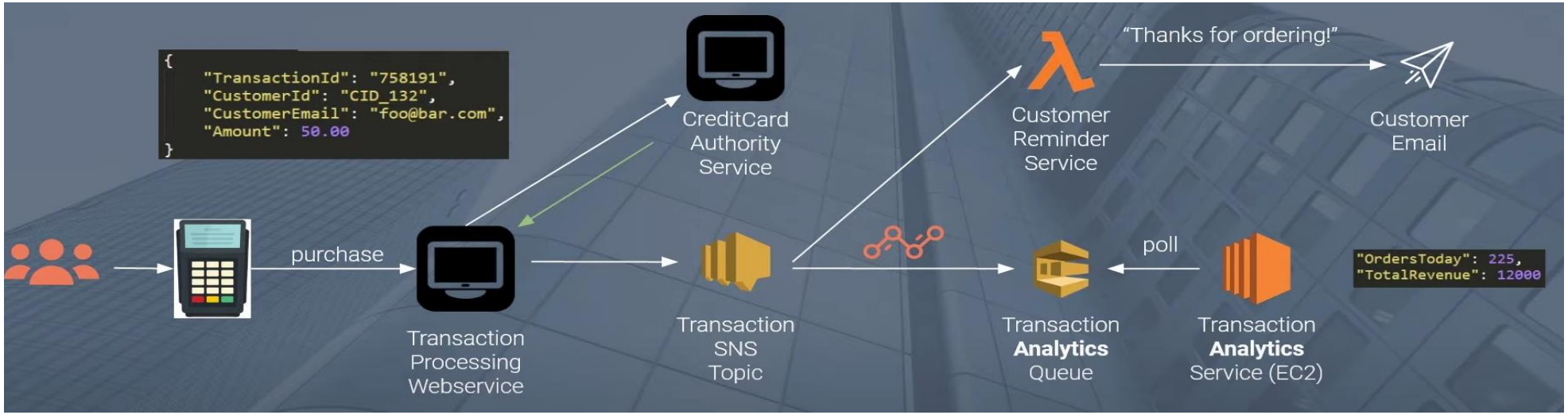


Services (Cloud Watch (Cont.,))



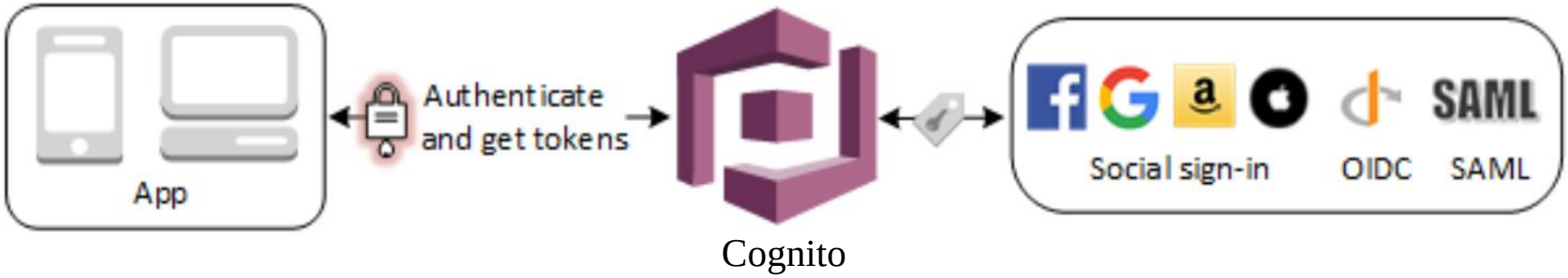
Services (Amazon SNS and SQS)

SNS	SQS
Simple Notification Service	Simple Queue Service
Subscriber System	Queuing Service for message processing
Publishing message to a topic can deliver to many subscribers of different types.	Messages in the queue are typically processed by a single consumers.



Services (Cognito)

- Authentication and Authorization
- Allows to add user registration, sign in and Access Control.
- Scalable and highly available supporting millions of users.
- Support standard based identity provides (SAML, OAuth 2.O, OIDC).

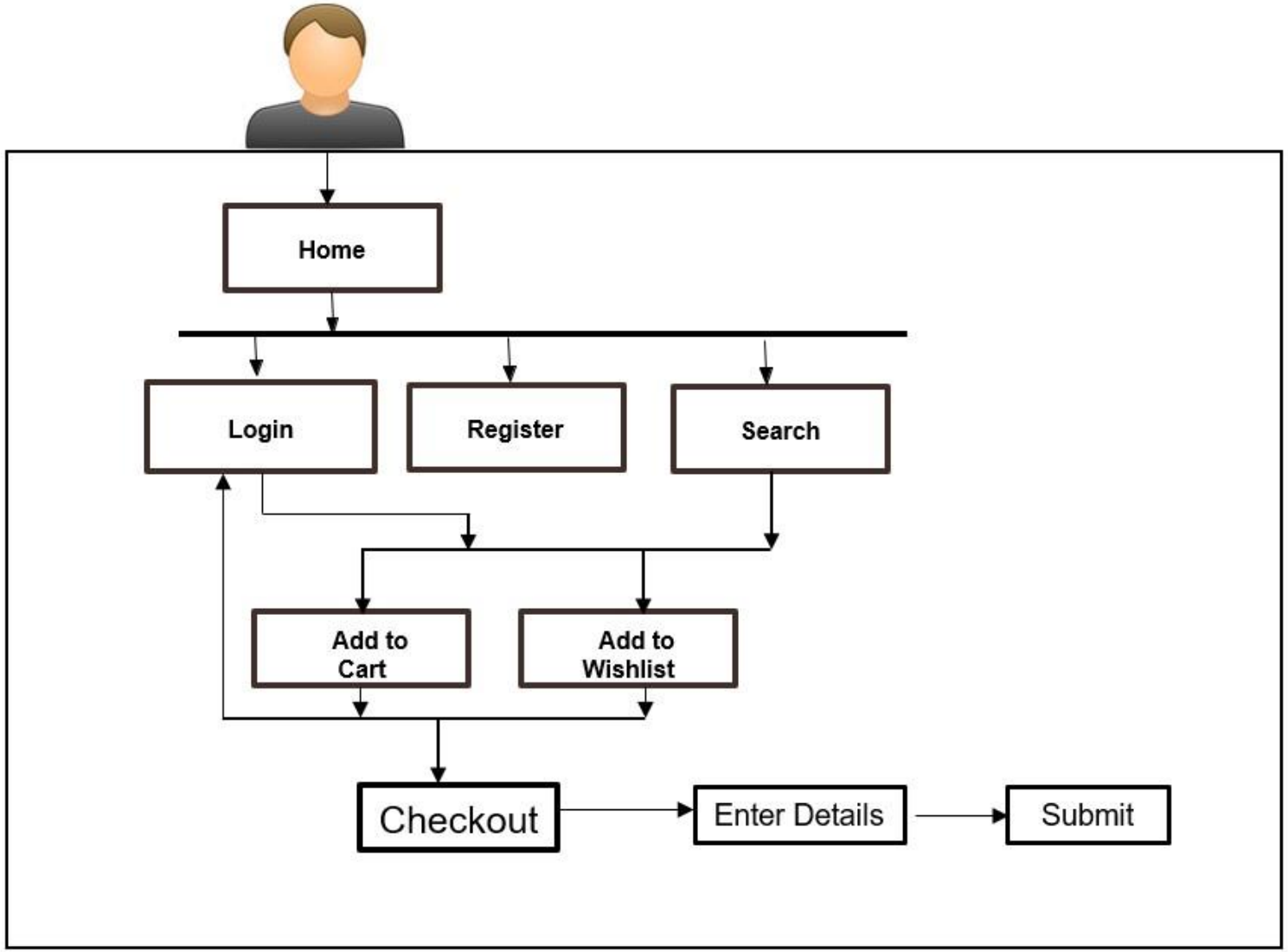


Services (API Gateway)

- Supports WebSocket, HTTP, REST APIs
- Highly secured authentication mechanism.
- Cloud watch logging support, which helps to monitor the API performance.
- Support custom domain names.
- Integration with AWS X-ray.
- No upfront fee or commitment required.

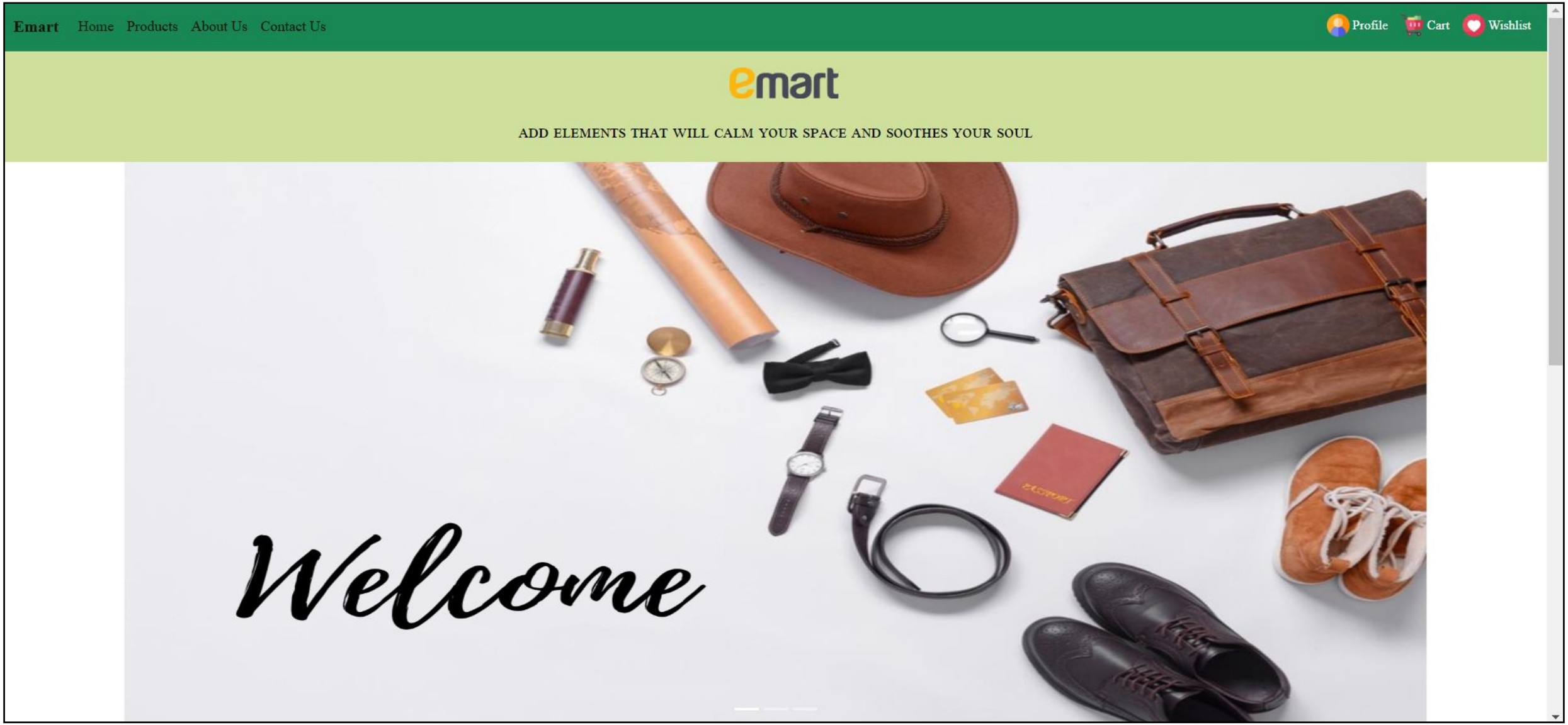
Services (Lambda)

Project Flow



Technology and Tools

Conclusion


Emart
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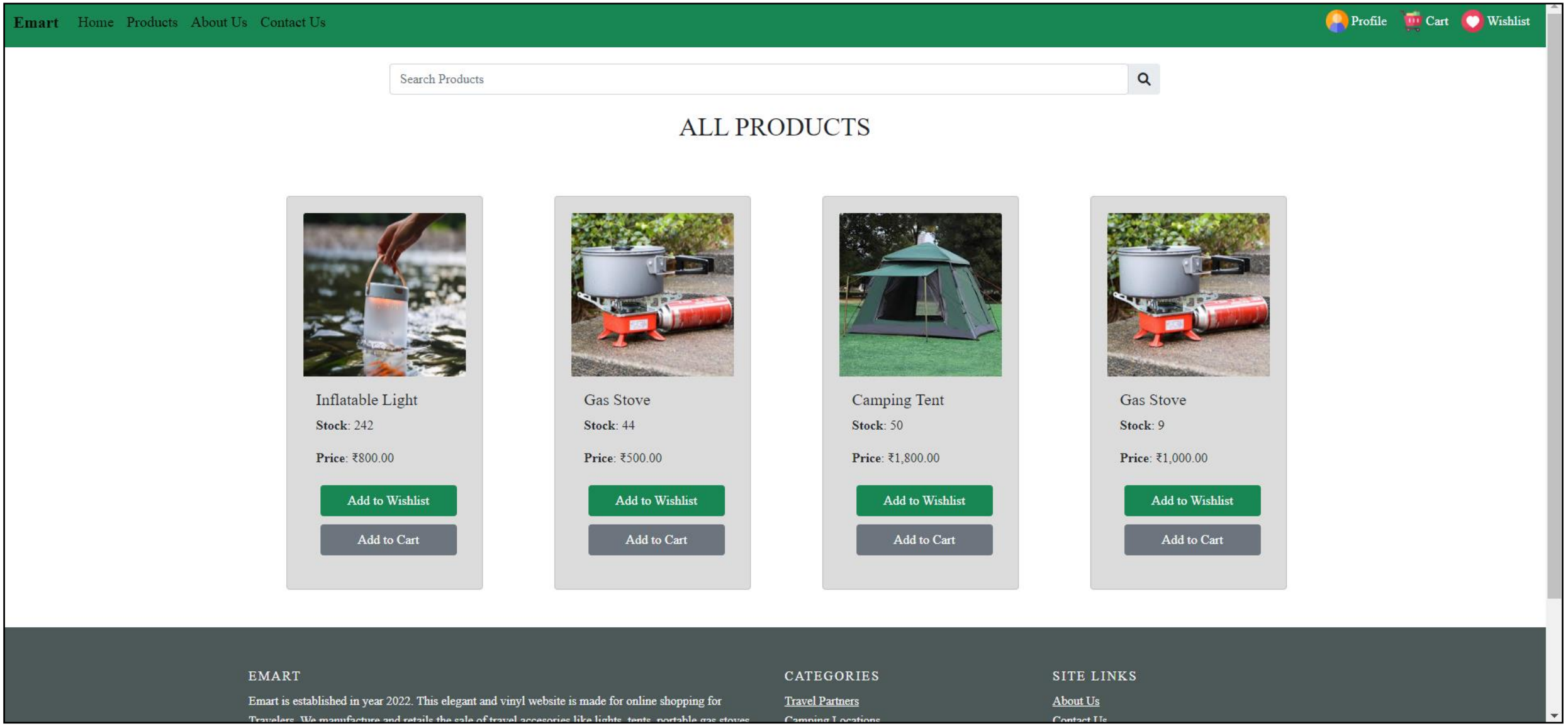
ADD ELEMENTS THAT WILL CALM YOUR SPACE AND SOOTHES YOUR SOUL
Welcome

Conclusion (Cont.,)



QUESTIONS

Thank you !