WEEKLY EVAL. FILE - 2

Course: Cloud Application Development

Submitted to

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Problem Statement :

Develop a Location Tracking application of your friends and family using GPS and deploy the application on AWS.

Why AWS??

Public Cloud Platform for my application chosen - AWS(Amazon Web Service)

1. Introduction

Amazon Web Services (AWS) is a cloud computing platform offered by Amazon.com. With AWS, customers can rent computing resources, such as virtual machines, storage, and databases, rather than having to purchase and manage them on-premises.

One of the key benefits of AWS is scalability. Customers can easily increase or decrease their usage of computing resources as their needs change, without having to worry about managing the underlying infrastructure. This means that they only pay for what they use, making AWS a cost-effective solution for organizations of all sizes.

AWS offers a wide range of services, including:

a) Compute: This includes services for running virtual machines, containers, and functions, such as Amazon Elastic Compute Cloud (EC2) and AWS Lambda.

b) Storage: This includes services for storing and retrieving data, such as Amazon Simple Storage Service (S3) and Amazon Elastic Block Store (EBS).

c) Database: This includes services for managing databases, such as Amazon Relational Database Service (RDS) and Amazon DynamoDB.

d) Networking: This includes services for connecting resources, such as Amazon Virtual Private Cloud (VPC) and Amazon Route 53.

e) Analytics: This includes services for processing and analyzing data, such as Amazon Redshift and Amazon Kinesis.

f) Machine Learning: This includes services for building and deploying machine learning models, such as Amazon SageMaker.

g) Security: This includes services for securing resources, such as Amazon Virtual Private Network (VPN) and AWS Key Management Service (KMS).

AWS also provides a range of tools and services for managing, monitoring, and deploying applications on the cloud, including the AWS Management Console, AWS CLI, and AWS CloudFormation.

Overall, AWS is a flexible, scalable, and cost-effective solution for organizations looking to run applications and websites on the cloud.

2. Why AWS for my project?

a) Know-How -

Familiarization with AWS services more than other Cloud Platforms.

b) Services -

AWS has a broad range of services and features which will be a lot helpful in tracking, sending notifications etc..

c) Third-party Tools -

AWS has a larger and more established ecosystem of third-party tools and services, which makes it easier to find the solutions I need.

d) Security -

Enhanced security and reliability with more computational capacity. AWS does a brilliant job of selecting secure alternatives and default settings to provide enhanced privacy.

e) Global Infrastructure -

AWS has a larger global infrastructure with more geographic regions and availability zones, making it easier for me to store and process data of a specific location at that particular location.