



TEXAS A&M UNIVERSITY

Department of Computer
Science & Engineering

Project 3 Phase 1 Documentation

Services Used

[Namecheap.com](https://namecheap.com)



Namecheap was used to register the domain name for the website. When establishing an online presence, a unique and memorable domain name is crucial. Namecheap provides a user-friendly platform for individuals and businesses to register and manage domain names, ensuring that the website or application has a distinct online identity.

AWS S3



AWS S3 is a scalable object storage service, commonly used to store and retrieve large amounts of data. It is likely employed to store static files such as images, videos, and other data integral to a web application. S3 provides high durability and availability, making it suitable for hosting static assets and ensuring they can be accessed reliably.

AWS CloudFront



AWS CloudFront is a content delivery network (CDN) service that accelerates the delivery of web content to users. It is often utilized to enhance the performance of websites by caching and distributing static and dynamic content across a network of global edge locations. This results in reduced latency and faster load times for end-users accessing the web application from various geographic locations.



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AWS Route 53



AWS Route 53 is a scalable and highly available domain name system (DNS) web service. It is commonly used to route end-user requests to the appropriate infrastructure, such as an AWS S3 bucket or an EC2 instance. Route 53 plays a crucial role in translating user-friendly domain names into IP addresses, ensuring that when users enter a web address, they are directed to the correct resources.

AWS Certificate Manager



AWS Certificate Manager (ACM) is utilized for managing and provisioning Secure Sockets Layer (SSL)/Transport Layer Security (TLS) certificates. These certificates are essential for securing data in transit between users and the web application. ACM simplifies the process of obtaining and renewing SSL/TLS certificates, contributing to the overall security and trustworthiness of the online services by encrypting the communication between the users and the server.

Flowchart

