**Assignment 1**

The cloud is perfect for hosting static websites that only include HTML, CSS, and JavaScript files that require no server-side processing. The whole project has two major intentions to implement:

* Hosting a static website on S3 and accessing the cached website pages using CloudFront content delivery network (CDN) service. CloudFront offers low latency and high transfer speeds during website rendering. Note that Static website hosting essentially requires a public bucket, whereas the CloudFront can work with public and private buckets.

In this assignment, you will deploy a static website to AWS by performing the following steps:

**Task 1**: You will create a public S3 bucket

**Task 2**: design and upload the website files to your bucket. The website should at least include one image, one short video (Maximum 30 Seconds), and 5 pages.

**Task 3**: You will configure the bucket for website hosting and secure it using IAM policies.

**Task 4**: You will speed up content delivery using AWS’s content distribution network service or CloudFront.

**Task 5**: Create a GitHub Repository for assignment 1, submit all the site content to this repository.

**Task 6**: Develop effective technical documentation for assignment 1 - Create a REAME.md markdown descripting the details of your AWS EC2 infrastructure deployment for hosting your website. Including the link of your website. **Note**: The technical discussion and documentation, rather than just the basic infrastructure buildout or software development, is where the most value occurs whether handing in homework assignments or completing a commercial project.

**Deliverables**:

* Submit the URL of your assignment repository REAME.md

**Rubric: 150 Points Total**

Task 1 - 20 Points

Task 2 - 20 Points

Task 3 - 20 Points

Task 4 - 20 Points

Task 5 – 20 Points

Task 6 – 50 Points