README file

Part 1- Create the homepage using AWS S3

- Create a new bucket in Amazon s3 with a name of your preference. Mine is "swe645g01477305hw1"
- We enable static web hosting, by going into the bucket properties and choosing Enable. We enter our index and error files there, mine are **index1.html** and **error.html**
- Under Permissions, we edit Block Public Access Settings by clearing it and saving it
- Then we add a bucket policy so that it is readable publicly. Under Permissions > Bucket Policy we add the following code:

• Upload all the necessary files with index and error files and test the website endpoint which is under Properties.

My website endpoint URL: http://swe645g01477305hw1.s3-website-us-east-1.amazonaws.com

URL for homepage: https://swe645g01477305hw1.s3.amazonaws.com/index1.html

URL for error: https://swe645g01477305hw1.s3.amazonaws.com/error.html

Part 2- Create the survey page using AWS EC2

- Create a new bucket in EC2 with the name of your preference, mine is "windowsproj".
- We select the Amazon Linux AMI with the free tier eligible instance, default t2.micro instance type
- We set a new key pair name and download that pem file. Mine is **newpair.pem**
- We can select any subnet and the launch the instance. We wait till 2 checks are passed
- We the connect the instance to our local machine through a series of commands

With these commands,

- 1. We securely copy the survey folder from local file into the instance server through the ssh key pair
- 2. Authenticate the instance server through the local ssh connection using the jey pair
- 3. We then move the files from instance home to the required path i.e, nginx and change permissions
- The survey folder contains all my files related to survey, including **survey.html** asked in part-2 of the assignment.
- Then we go to instance security > security groups > Actions > edit inbound rules > add new rule > select type HTTP and source 0.0.0.0/0 and save
- Now our website is up and running

My website public DNS url: http://ec2-3-83-187-106.compute-1.amazonaws.com/survey/survey.html

Or another url: http://3.83.187.106/survey/survey.html