

SWE 645

Assignment-1

G01502869

### Part-1:

<http://assignmentonegmu.s3-website.us-east-2.amazonaws.com/>

Created the AWS account with gmu id, accessed the S3 service and then selected **Create Bucket**. Proceed with the below steps to start the website

- **AWS Region:** US East (Ohio) us-east-2
- **Bucket name:** assignmentonegmu
- **Public Access:** Turn off
- Create a bucket with all the other settings default.
- Enable Static Website Hosting for the bucket and enter index.html and error.html as the file names.
- Modify the Bucket Policy under Permissions with the given policy to grant the Bucket public read access
- Uploaded the relevant index.html,error.html documents
- Under the Properties, find the website endpoint for your **static website**.

### Part-2:

<http://18.118.149.12/>

Accessed EC2 service and then selected **Launch Instance**. Proceed with the below steps to deploy the Student Survey Form by creating an instance.

- **Name:** assignmentone
- Amazon Machine Image (AMI): Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type
- **Instance Type:** t2.micro
- **Key pair name:** "assignment-one"
- **Network Settings:**  
Select "Allow SSH traffic from" and "Allow HTTP traffic from the internet"
- Default Configure Settings, then **Launch Instance**.
- Connect to the instance after **Status Check** passed.
- Install Apache: "sudo yum update -y", "sudo yum install httpd -y"  
then start and enable Apache, "sudo systemctl start httpd", "sudo systemctl enable httpd"

- Verify that Apache is running: “sudo systemctl status httpd”
- Change directory to “cd /var/www/html”
- Create the index.html file containing the Student Survey Form code and save it.  
“sudo nano index.html”
- Check the index.html file is in the same directory, “ls -l”
- Then Test Your Setup: “http://instance-public-ip”