SWE645 Assignment-1

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URL for S3 webpage: https://asgmt1part1.s3.amazonaws.com/part1/index.html
URL for EC2 webpage: http://ec2-52-90-89-243.compute-1.amazonaws.com

Part1:
For hosting a static webpage on AWS S3:

1. Create a unique S3 bucket name once you log in to the AWS account.
2. Enable public access, acknowledging the alert for public resource availability.
3. Configure the bucket settings as needed.
4. Activate "Static website hosting" in bucket properties, specifying homepage and error page names.
5. Create a public access policy using the AWS policy generator with the principal "*" and action "GetObject" for unrestricted web content access.
6. Apply the policy to your bucket and launch the static website.
7. Test the setup by visiting the bucket's website endpoint URL.

Part2:
For hosting a static webpage using Apache on EC2:

1. Create a new EC2 instance via the Amazon Management Console, selecting "Amazon Linux" for the AMI.
2. Adjust CPU, memory, and storage based on the project's needs.
3. Wait for the instance to indicate "running" status.
4. Connect to the instance, choosing the server connection method.
5. Update the system packages with 'yum update -y' where 'yum' (Yellowdog Updater, Modified) is a command-line package-management utility for RPM-compatible Linux systems.
6. Install Apache HTTP Server with 'yum install -y httpd'.
7. Download the web page files with 'wget link', replacing "link" with your file's location.
8. Move the files to /var/www/html/, ensuring the homepage is named 'index.html'.
9. Enable Apache to start on boot with 'systemctl enable httpd'.
10. Start the Apache service with 'systemctl start httpd'.
11. Access the site using the instance's public DNS to verify the setup.