

CS/IT 443: End-Semester Examination

Time: 3 hours

Instructions:

1. You will need the internet for logging into Google Classroom and AWS Management Console ONLY. On Google Classroom you are only supposed to submit the assignment.
2. You are NOT ALLOWED to see any online content such as blogs, discussions, videos, tutorials, etc.
3. Create a step-wise report of your solution with proper screenshots from the AWS Management Console.
4. Make sure your screenshots show the following:
 - a. Name of each resource should be in the following format `CSIT443_ResourceName_RollNo`. For example, an EC2 instance should have the name `CSIT443_EC2_202051234`.
 - b. Each screenshot MUST show the timestamp of your system. Otherwise, the screenshot will NOT BE EVALUATED.
5. You are NOT supposed to talk to your friends/peers under any circumstance. Anyone doing so will be treated under MALPRACTICE.
6. Make sure you delete all resources that you create to avoid any unwanted billing on your AWS account.

Question:

You are the Cloud Solutions Architect of a company and have been tasked with the major responsibility of designing the deployment solution of a website for employee data management. The website has the following features:

- Employees can add and search their personal information such as name, date of birth, address, and phone number.
- Employees can upload their photos.
- Some pages about the organization -- their vision, mission, and other objectives.

Design the cloud deployment solution for the website. Assume that the website code exists. You do not need to actually deploy such an employee management website.

Include as many concepts (taught throughout the course) as possible. Each concept implemented will give you additional points.

DB 100
1234 @ 5678