SWE 304 PROJECT STUDY 1 (2024)

Due date: 7 March 2024, in class.

In this project, you are expected to publish a simple Java Spring Boot web project at AWS or AZURE cloud. Your web project must use at least the following dependencies:
- Spring-boot starter web
- Spring-boot starter Thymeleaf
- Spring-boot starter data JPA
- Lombok
- MySQL connector

Use the following name convention for database and table:
- Database name: swe304, table name: person,
- Table columns:
  - id int
  - name varchar(16)
  - address varchar(32)

Application should be developed using JDK version 17, and buid tool must be Maven. The application will have the following views:
- Show all people recorded in the DB in a table format,
  - There will be operation buttons (add, update and delete) in the table (last column) and these buttons will show the following pages:
    - Add person,
    - Update person,
    - Delete person.

In local development a "jar" file must be created using Maven in your local computer. You are expected to create a Linux instance on AWS with proper configurations. After that, you are expected to install MySQL server to cloud instance and create the database and the person table. Nginx will be installed and configured to the cloud as well. Then, the "jar" file will be transferred to the cloud instance using SFTP tools. Finally the application web pages must be accessible in the presentation.

Grading:

No	Task	Grade
1	Developing the web application on local computer and creating a jar file	40
2	Creating a cloud instance and configuring it properly for web project	30
3	Transferring the application jar file to the cloud	10
4	Installing MySQL and Nginx to the cloud instance	10
5	Accessing the web application properly from web browsers	10

PS: Group presentation is required, group members must show up to in presentation to collect points.