README

AWS URL (My Home Page): http://swe645-sud-hw-1.s3-website-us-east-1.amazonaws.com/

AWS URL (Student Survey): https://swe645-sud-hw-1.s3.amazonaws.com/student_survey.html/

AWS URL (EC2 instance): http://ec2-44-200-112-56.compute-1.amazonaws.com/SWE645_HW1/

Please use the above link to access my homepage website and navigate to the 'Student Survey' page under homework assignment links with the name 'SWE645: Homework Assignment 1'. The zip folder attached has the source code html files, with the 'application' folder containing war files, packages, and the set-up instructions to run and deploy the application.

All the requirements for the homework assignment have been followed and I have developed the application on Eclipse IDE by creating a dynamic web project and installing all the required dependencies and jar files needed for this application. The web server used to deploy my application locally was Apache Tomcat version 8.5 and the AMI used to setup for EC2 instance was Tomcat powered by Bitnami. Amazon S3 was used to set-up a static website to host my website which was given public access.

The main webpage is named as 'index.html' that is my home web page, and the survey page is named as 'student_survey.html'. The remaining files/ images that were used for this application have been saved in other folders under the same directory. To run this application locally, it is required for Tomcat to be setup and running on its default port on https://localhost:8080/application-name to view our application.

To deploy my application on EC2, I have initially setup a ssh connection from my local mac system to build a secure tunnel to the server. Upon successful connection, I modified the required permissions needed to access the folder and deployed my war file. Once everything has been set up and the application is deployed on the server we can view the home web page on the AWS EC2 instance on the browser.