

SWE 645 Assignment – 1

Name: **Dileep Kumar Latchireddi**

Email : **dlatchir@gmu.edu**

G-Number: **G01389937**

Part A:

- A Class page website is created and hosted on AWS Simple Storage Service (S3).
- An error.html file can be found in the .zip file which is displayed when there is

- The link to part A of the assignment is:

<http://swe6-45-assignment1.s3-website-us-east-1.amazonaws.com/>

- A link with the nav bar **SurveyForm** links to the Part B of the assignment.

Part B:

- PartB links: <http://ec2-54-162-37-253.compute-1.amazonaws.com/SWE645/>

- A survey form for the gmU website according to the instructions is created using HTML and CSS.

- The HTML file is index.html and CSS related to the HTML page is style.css, additionally, img is in zip file named swepic.jpeg


Steps :

1. Once your code is completed convert your code it into a .war file. war file is created using `jar -cvf swe645.war -C swe645 .` command
2. In AWS account an ec2 instance is created with tomcat server (Amazon Machine Image (AMI) labeled "Tomcat Certified by Bitnami").
3. Search for EC2 in AWS page and select "EC2."
4. Under "Application and OS Images (Amazon Machine Image)" search for tomcat and click enter.
5. Under "AWS Marketplace AMIs", click on "Select" from "Apache Tomcat packaged by Bitnami".
6. This jar file is uploaded to the Tomcat server as shown in pic 1
7. Create a new key pair and select "Create Key pair".
8. Connect to your EC2 machine using SSH from your local and upload the war file ([/stack/apache-tomcat/webapps](#))
9. Now you can access your frontend through this url <http://ec2-54-162-37-253.compute-1.amazonaws.com/SWE645/>

```
Last login: Fri Sep 22 12:21:47 otytts000
(base) dileeplatchhireddi@Dileeps-MacBook-Air ~ % chmod 400 645_assign1.pem
chmod: 645_assign1.pem: No such file or directory
(base) dileeplatchhireddi@Dileeps-MacBook-Air ~ % cd Desktop
(base) dileeplatchhireddi@Dileeps-MacBook-Air Desktop % chmod 400 645_assign1.pem
chmod: 645_assign1.pem: No such file or directory
(base) dileeplatchhireddi@Dileeps-MacBook-Air Desktop % cd ..
(base) dileeplatchhireddi@Dileeps-MacBook-Air ~ % cd Downloads
(base) dileeplatchhireddi@Dileeps-MacBook-Air Downloads % chmod 400 645_assign1.pem
(base) dileeplatchhireddi@Dileeps-MacBook-Air Downloads % sudo ssh -i "645_assign1.pem" bitnami@ec2-54-162-37-253.compute-1.amazonaws.com
Password:
The authenticity of host 'ec2-54-162-37-253.compute-1.amazonaws.com (54.162.37.253)' can't be established.
ED25519 key fingerprint is SHA256:z+ebP40lxd/TblwRex3lWnlAoC8JgUYUoI6uPenaMQ.
This host key is known by the following other names/addresses:
/var/root/.ssh/known_hosts:1: ec2-52-7-52-179.compute-1.amazonaws.com
/var/root/.ssh/known_hosts:5: ec2-54-211-201-121.compute-1.amazonaws.com
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-54-162-37-253.compute-1.amazonaws.com' (ED25519) to the list of known hosts.
Linux ip-172-31-44-125 5.10.0-25-cloud-amd64 #1 SMP Debian 5.10.191-1 (2023-08-16) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/*copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
```



```
*** Welcome to the Apache Tomcat packaged by Bitnami 10.1.13-1 ***
*** Documentation: https://docs.bitnami.com/aws/infrastructure/tomcat/ ***
*** https://docs.bitnami.com/aws/ ***
*** Bitnami Forums: https://github.com/bitnami/vms/ ***

Last login: Thu Sep 21 22:17:23 2023 from 129.174.182.60
bitnami@ip-172-31-44-125:~$
bitnami@ip-172-31-44-125:~$ ls
bitnami_credentials htdocs stack
bitnami@ip-172-31-44-125:~$ cd stack
bitnami@ip-172-31-44-125:~/stack$ cd apache-tomcat
bitnami@ip-172-31-44-125:~/stack/apache-tomcat$ cd webapps
bitnami@ip-172-31-44-125:~/stack/apache-tomcat/webapps$ ls
docs examples host-manager manager ROOT SMEG45 SMEG45.war
bitnami@ip-172-31-44-125:~/stack/apache-tomcat/webapps$ exit
logout
Connection to ec2-54-162-37-253.compute-1.amazonaws.com closed.
(base) dileeplatchhireddi@Dileeps-MacBook-Air Downloads %
```