**ReadMe**

**SWE645 - Assignment01**

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**PART-1:**

1. Initially I created a Homepage with a paragraph, image, and links to part 2.
2. Created a error.html page incase if index.html doesn’t load due to some technical reasons.
3. Host all these pages in AWS S3 bucket. That includes all HTML, CSS, image files.
4. Link to access the homepage is as follows –

<http://ygona-645-a01.s3-website-us-east-1.amazonaws.com/>

**PART-2:**

Steps to deploy the form in ec2 instance of tomcat bitnami.

* Creates a form page which all the requirements mentioned.
* To create a war file of all the files, follow the steps –
  + Create a folder with HTML, CSS, image files.
  + Redirect to the folder and use the command.
    - jar -cvf projectname.war \*
  + The above command created the war file.
* To access the war file directly, ensure that the html file inside war file is renamed to index.html .

1. To launch our program from ec2 bitnami instance in Aws follow the below steps.
2. Create a war file out of all the HTML, CSS files
3. Download the keypair.pem file. Locate & redirect to the file path and change the permissions to read i.e

$ sudo chmod 400 swe645p01.pem

1. Connect the instance to public dns

$ ssh -i "swe645p01.pem" [bitnami@ec2-52-91-2-90.compute-1.amazonaws.com](mailto:bitnami@ec2-52-91-2-90.compute-1.amazonaws.com)

1. The above command will start and connect to the instance
2. Next step is to copy the .pem and .war files to the tomcat/webapps folder in the tomcat instance
3. To copy files from local to bitnami instance follow the below steps –
   1. Open a new terminal
   2. Command is as follows - $scp -i keypairfile source destination
   3. Copy .pem file to webapps folder ->

% sudo scp -i /Users/yaminigona/Desktop/swe645p01.pem /Users/yaminigona/Desktop/swe645p01.pem [bitnami@ec2-52-91-2-90.compute-1.amazonaws.com:/home/bitnami/stack/apache-tomcat/webapps](mailto:bitnami@ec2-52-91-2-90.compute-1.amazonaws.com:/home/bitnami/stack/apache-tomcat/webapps)

* 1. /Users/yaminigona/Desktop/swe645p01.pem -> gives permission to copy source file to destination file.
  2. Copy .war file to webapps folder ->

% sudo scp -i /Users/yaminigona/Desktop/swe645p01.pem /Users/yaminigona/Desktop/surveyForm.war [bitnami@ec2-52-91-2-90.compute-1.amazonaws.com:/home/bitnami/stack/apache-tomcat/webapps](mailto:bitnami@ec2-52-91-2-90.compute-1.amazonaws.com:/home/bitnami/stack/apache-tomcat/webapps)

1. Now got to the terminal that we are following step-1
   1. Redirect to /stack/apache-tomcat/webapps
   2. Check if the folder has .pem and .war files
   3. If there are files, then we successfully copied all the files from local to virtual machine Ec2 instance

Link to access the survey-form globally is –

<http://ec2-52-91-2-90.compute-1.amazonaws.com/surveyForm/>

Link from part-2 is connected to a form in part-1. If we click on “SWE 645 Survey Page” in part1 it redirects to the form which is hosted in EC2 instance.

1. To access the project –
   1. <http://ygona-645-a01.s3-website-us-east-1.amazonaws.com/>
2. To access the ec2 instance form –
   1. <http://ec2-52-91-2-90.compute-1.amazonaws.com/surveyForm/>