

## SWE 645 Assignment - Project

### Project Part 1

I created a homepage (index.html) and an error page (error.html). My homepage consists of an image and a small paragraph. I created an account in AWS and used the S3 service to create my homepage. The link to my homepage is

<https://my-645-bucket.s3.amazonaws.com/index.html>

### Project Part 2

I created a dynamic web project using Eclipse. This project includes a form (index.html) and an external cascading stylesheet (style.css). This project also includes success.html page which is redirected from the form.html page. The contents inside index.html and style.css are as per the requirements given in the homework instructions.

I used an EC2 Amazon Machine Image (AMI) labeled “Tomcat Certified by Bitnami” found under AWS marketplace to launch my EC2 instance. I downloaded tomcat version 9.0.26 then deployed and accessed my application on my local Tomcat instance, prior to deploying the war file on the Tomcat server running on Amazon EC2 instance in AWS cloud. I used the export option from the project to create a war file (part2\_645), copied this to EC2.

Following are the commands to deploy the application:

```
- scp -i ~/Desktop/3rdsem/swe645/my-645project-keypair.pem  
  ~/Desktop/part2_645.war bitnami@ec2-54-144-211-10.compute-  
  1.amazonaws.com  
  
- ssh -i ~/Desktop/3rdsem/swe645/my-645project-keypair.pem  
  bitnami@ec2-54-144-211-10.compute-1.amazonaws.com  
  
- sudo cp part2_645.war /opt/bitnami/apache-tomcat/webapps/
```

The link to the application deployed on EC2 is

[http://ec2-54-144-211-10.compute-1.amazonaws.com/part2\\_645](http://ec2-54-144-211-10.compute-1.amazonaws.com/part2_645)