Phase 5

**CI/CD Deployment for Springboot Application**

Code:

First ceate an spring boot application using **Spring initialize.io**

**Package**: com.simplilearn.workshop

**Class** : MyApplication

package com.simplilearn.workshop;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class MyApplication {

public static void main(String[] args) {

SpringApplication.run(MyApplication.class, args);

}

}

**Package:** com.simplilearn.workshop.resources

**Class:** MainController

package com.simplilearn.workshop.resources;

import org.springframework.web.bind.annotation.RequestMapping;

import org.springframework.stereotype.Controller;

@Controller

public class MainController {

@RequestMapping("/")

public String index() {

return "index.html";

}

}

**application.properties:**

server.port=8082

**index.html:**

<!DOCTYPE html>

<link rel=*"stylesheet"* type=*"text/css"* href=*"../css/default.css"* >

<html lang=*"en"*>

<head>

<title>SpringBoot Application</title>

<!-- Bootstrap -->

<link type=*"text/css"* href=*"css/bootstrap.min.css"* rel=*"stylesheet"* />

<link type=*"text/css"* href=*"css/default.css"* rel=*"stylesheet"* />

</head>

<body>

<div id=*"container"*>

<div id=*"content"*>

<div id=*"about"*>

<h1>

<div style='float: *left*; margin-bottom: *14px*;'>NISHCHITH M

</div>

<div class=*"stage"*>

<div class=*"pyramid3d"*>

<div class=*"triangle side1"*></div>

<div class=*"triangle side2"*></div>

<div class=*"triangle side3"*></div>

<div class=*"triangle side4"*></div>

</div>

</div>

</h1>

<h3 style='clear: *both*' class=*"subhead"*>

<a>SPRING-BOOT</a> Web App

</h3>

<p id=*'pleft'*>As requested by management, this is my final

product stage, demonstrating the automated, integrated, and

deployed spring-boot web application.</p>

<p id=*'pright'*>This is an environment where the application is

hosted and accessed by users. The following were used in its

development:</p>

<ul>

<li><a>Eclipse</a></li>

<li><a>AWS EC2/ Virtual machine</a></li>

<li><a>Jenkins</a></li>

<li><a>GitHub</a></li>

</ul>

<p>Feel free to contact Nishchith with any new requests or

upgrades to this product!</p>

</div>

</div>

</div>

</body>

</html>

**Default.css**

**body** {

background-image: *linear-gradient(180deg,* *#0088bb,* *#000000)*;

margin:*0*; padding:*0*;

overflow-x:*hidden*;

height:*100%*;

font-family: *'Lato',* *Helvetica,* *arial,* *sans-serif*;

font-weight: *300*;

font-size: *20px*;

line-height: *1.45*;

color: *#eee*;

color: *rgba(255,255,255,.85)*;

}

*#container* {

padding-top: *50px*;

}

*#content* {

max-width: *43em*;

padding:*10px*;

margin: *0* *auto*;

}

**h1** {

font-size: *4.8em*;

font-weight: *100*;

text-transform: *uppercase*;

margin: *0*;

}

**h3** {

font-size: *2.4em*;

font-weight: *300*;

line-height: *1.5*;

}

**p,** **li** {

font-size: *1.7em*;

}

**a** {

font-weight: *700*;

text-decoration: *none*;

color: *#fff*;

}

**a***:hover* {

text-decoration: *underline*;

}

**p***#pleft* {

max-width:*20em*;

float:*left*;

}

**p***#pright* {

max-width:*20em*;

float:*left*;

}

**ul** {

clear:*both*;

}

**html** { font-size: *62.5%*; }

**body** { font-size: *1em*;}

/\* PYRAMID CODE \*/

*.stage* {

-webkit-transform:*scale(1.85)*;

transform:*scale(0.85)*;

float:*right*;

margin-right:*120px*;

margin-top:*30px*;

width:*0px*; height:*0px*;

position:*relative*;

-webkit-perspective:*1200px*;

-webkit-perspective-origin:*50%* *50%*;

perspective:*1200px*;

perspective-origin:*50%* *50%*;

}

*.pyramid3d* {

position:*relative*;

width:*150px*;

height:*150px*;

-webkit-transform-style: *preserve-3d*;

transform-style: *preserve-3d*;

-webkit-transform: *rotateX(75deg)* *rotate(65deg)*;

transform: *rotateX(75deg)* *rotate(65deg)*;

-webkit-animation: *turnPyramid* *10s* *linear* *infinite*;

animation: *turnPyramid* *10s* *linear* *infinite*;

}

*.triangle* {

-webkit-transform-style:*preserve-3d*;

transform-style:*preserve-3d*;

width:*0*; height:*0*;

background:*none*;

}

*.triangle:before*{

content:*""*;

position: *absolute*;

height: *0*; width: *0*;

border-style: *solid*;

border-width: *176px* *75px* *0* *75px*;

}

*.side1* { -webkit-transform: *translatex(0)* *rotatey(115.2deg)* *rotatez(90deg)*; transform: *translatex(0)* *rotatey(115.2deg)* *rotatez(90deg)*; }

*.side2* { -webkit-transform: *translatex(150px)* *rotatez(90deg)* *rotatex(64.8deg)*; transform: *translatex(150px)* *rotatez(90deg)* *rotatex(64.8deg)*; }

*.side3* { -webkit-transform: *translatez(0)* *rotatex(64.8deg)*; transform: *translatez(0)* *rotatex(64.8deg)*; }

*.side4* { -webkit-transform: *translatey(150px)* *rotatex(115.2deg)*; transform: *translatey(150px)* *rotatex(115.2deg)*; }

*.side1:before*{ border-color: *rgba(115,* *115,* *0,* *0.3)* *transparent* *transparent* *transparent*; }

*.side2:before*{ border-color: *rgba(20,* *90,* *225,* *0.3)* *transparent* *transparent* *transparent*; }

*.side3:before*{ border-color: *rgba(255,* *0,* *0,* *0.3)* *transparent* *transparent* *transparent*; }

*.side4:before*{ border-color: *rgba(0,* *255,* *255,* *0.3)* *transparent* *transparent* *transparent*; }

@**-webkit-keyframes** **turnPyramid** { 100% { -webkit-transform: *rotateX(75deg)* *rotate(425deg)*; } }

@**keyframes** **turnPyramid** { 100% { transform: *rotateX(75deg)* *rotate(425deg)*; } }

@media (max-width: 300px) {

**html** { font-size: *70%*; }

*.stage* { -webkit-transform:*scale(0.05)*; transform:*scale(0.05)*; }

}

@media (max-width: 440px) {

**h1** { line-height:*55px*; }

}

@media (max-width: 460px) {

*.stage* { position:*absolute*; top:*25px*; left:*50%*; margin-left:*-45px*; }

**h1** { margin-top:*50px*; text-align:*center*; }

}

@media (max-width:600px) { *.stage* { -webkit-transform:*scale(0.55)*; transform:*scale(0.55)*; margin-right:*60px*; } }

@media (min-width: 600px) {

**html** { font-size: *80%*; }

*.stage* { -webkit-transform:*scale(0.68)*; transform:*scale(0.68)*; margin-right:*80px*; }

}

@media (min-width: 880px) {

**html** { font-size: *120%*; }

**p,** **li** { font-size: *1em*; }

**p***#pright* { margin-left:*3em*; }

*.stage* { -webkit-transform:*scale(0.85)*; transform:*scale(0.85)*; margin-right:*120px*; }

}

**Pom.xml**

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<project xmlns=*"http://maven.apache.org/POM/4.0.0"* xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

xsi:schemaLocation=*"http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd"*>

<modelVersion>4.0.0</modelVersion>

<parent>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-parent</artifactId>

<version>2.5.5</version>

<relativePath/> <!-- local repository (.m2) / remote repository (www.mvnrepository.com) -->

</parent>

<groupId>com.simplilearn.workshop</groupId>

<artifactId>my-spring-boot-web</artifactId>

<version>1.0</version>

<name>my-spring-boot-web</name>

<description>Kevin Casey&apos;s SimpliLearnPhase-5 Assessment</description>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

<maven.compiler.source>1.8</maven.compiler.source>

<maven.compiler.target>1.8</maven.compiler.target>

</properties>

<dependencies>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

<exclusions>

<exclusion>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-tomcat</artifactId>

</exclusion>

</exclusions>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-jetty</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-test</artifactId>

<scope>test</scope>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-maven-plugin</artifactId>

</plugin>

</plugins>

<finalName>my-spring-boot-web-aws-exe</finalName>

</build>

</project>