**PHASE V – FINAL ASSESMENT**

**CI/CD Deployment For Spring Boot Application**

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**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>2.6.7</version>

        <relativePath/> <!-- lookup parent from repository -->

    </parent>

    <groupId>com.sk</groupId>

    <artifactId>skspring</artifactId>

    <version>0.0.1-SNAPSHOT</version>

    <name>skspring</name>

    <description>Demo project for Spring Boot</description>

    <properties>

        <java.version>11</java.version>

    </properties>

    <dependencies>

        <dependency>

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

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

    </build>

</project>

**Main Controller.java**

package com.sk.skspring;

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

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

@RestController

public class UserController {

    @GetMapping

    public String hello() {

        return "Hi there, This is Sai Krishna running Spring Boot CI/CP pipeline AWS ";

    }

}

**Sk Spring Boot Appilication.java**

package com.sk.skspring;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class SkspringApplication {

    public static void main(String[] args) {

        SpringApplication.run(SkspringApplication.class, args);

    }

}

**Application. Properties**

server.port=80

**maven. Yml**

# This workflow will build a Java project with Maven, and cache/restore any dependencies to improve the workflow execution time

# For more information see: https://help.github.com/actions/language-and-framework-guides/building-and-testing-java-with-maven

name: Java CI with Maven

on:

  push:

    branches: [ main ]

jobs:

  build:

    runs-on: self-hosted

    steps:

    - uses: actions/checkout@v3

    - name: Set up JDK 11

      uses: actions/setup-java@v3

      with:

        java-version: '11'

        distribution: 'temurin'

        cache: maven

    - name: Build with Maven

      run: mvn -B package --file pom.xml

**maven-wrapper. Properties**

distributionUrl=https://repo.maven.apache.org/maven2/org/apache/maven/apache-maven/3.8.4/apache-maven-3.8.4-bin.zip

wrapperUrl=https://repo.maven.apache.org/maven2/org/apache/maven/wrapper/maven-wrapper/3.1.0/maven-wrapper-3.1.0.jar