**Spring Boot – Actuator Based Inventory Monitoring App**

**InventoryApplication.java**

package com.inventory.inventory\_monitor;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class InventoryMonitorApplication {

public static void main(String[] args) {

SpringApplication.run(InventoryMonitorApplication.class, args);

}

}

**application.properties**

spring.application.name=inventory-monitor

server.port=8083

spring.application.name=inventory-monitor

management.endpoints.web.exposure.include=\*

management.endpoint.shutdown.enabled=true

management.endpoint.health.show-details=always

management.endpoint.health.probes.enabled=true

management.health.defaults.enabled=true

info.app.name=Inventory Management System

info.app.version=1.0.0

info.app.description=Spring Boot Actuator-based health and metrics monitor

**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>3.5.4</version>

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

</parent>

<groupId>com.inventory</groupId>

<artifactId>inventory-monitor</artifactId>

<version>0.0.1-SNAPSHOT</version>

<name>inventory-monitor</name>

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

<url/>

<licenses>

<license/>

</licenses>

<developers>

<developer/>

</developers>

<scm>

<connection/>

<developerConnection/>

<tag/>

<url/>

</scm>

<properties>

<java.version>21</java.version>

</properties>

<dependencies>

<dependency>

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

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

</dependency>

<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>

**Inventory Controller**

package com.example.inventory.controller;

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

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

import java.util.List;

@RestController

public class InventoryController {

@GetMapping("/inventory")

public List<String> getInventory() {

return List.of("Apples", "Bananas", "Oranges");

}

}

**InventoryMonitorApplicationTests.java**

package com.inventory.inventory\_monitor;

import org.junit.jupiter.api.Test;

import org.springframework.boot.test.context.SpringBootTest;

@SpringBootTest

class InventoryMonitorApplicationTests {

@Test

void contextLoads() {

}

}