Test driven development and Logging framework

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Logging using SLF4J

Exercise 3: Using Different Appenders

pom.xml

<dependencies>

<dependency>

<groupId>org.slf4j</groupId>

<artifactId>slf4j-api</artifactId>

<version>1.7.30</version>

</dependency>

<dependency>

<groupId>ch.qos.logback</groupId>

<artifactId>logback-classic</artifactId>

<version>1.2.3</version>

</dependency>

</dependencies>

logback.xml

<configuration>

<appender name="console" class="ch.qos.logback.core.ConsoleAppender">

<encoder>

<pattern>%d{HH:mm:ss.SSS} [%thread] %-5level %logger{36} - %msg%n</pattern>

</encoder>

</appender>

<appender name="file" class="ch.qos.logback.core.FileAppender">

<file>app.log</file>

<encoder>

<pattern>%d{yyyy-MM-dd HH:mm:ss} [%thread] %-5level %logger{36} - %msg%n</pattern>

</encoder>

</appender>

<root level="debug">

<appender-ref ref="console" />

<appender-ref ref="file" />

</root>

</configuration>

Java

package com.example;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class AppendersExample {

private static final Logger logger = LoggerFactory.getLogger(AppendersExample.class);

public static void main(String[] args) {

logger.debug("Debugging application...");

logger.info("Application started successfully.");

logger.warn("Warning: Potential issue detected.");

logger.error("Error: Something went wrong.");

}

}

Output:

A screenshot of a computer program

Description automatically generated