**Progress Summary for Supervisor Update (as of March 17–18)**

**Project Title: *WorkSync – Workplace Time & Task Management System***

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**Supervisor: Mr. Martin Stacey**

**1. Java Environment Set Up**

Installed **Java 24** and configured environment variables (JAVA\_HOME, system PATH)

Verified installation using java -version in the terminal

Set IntelliJ to use the correct JDK for project compilation

**2. Maven Set Up & Verified**

Installed **Apache Maven**

Configured the PATH variable to include Maven’s /bin directory

Verified functionality using mvn -v in both Command Prompt and IntelliJ

Fixed IntelliJ terminal environment to recognize mvn commands

**3. Spring Boot Project Initialization**

Generated a project using [start.spring.io](https://start.spring.io) with the following settings:

* + **Spring Boot version:** 3.x
  + **Dependencies:** Spring Web, Spring Boot DevTools, Spring Data JPA, MySQL Driver, Spring Security

Opened and structured the project inside **IntelliJ IDEA**

Verified Maven and dependency sync within the IDE

**4. MySQL Database Configuration**

Installed and configured **MySQL + MySQL Workbench**

Created a new database:

Connected Spring Boot to MySQL using application.properties

**5. Initial Spring Boot Launch**

* Launched the application using:

mvn spring-boot:run

Successfully authenticated using **Spring Security’s default login screen**

Logged in with default credentials:

* Username: user
* Password: (auto-generated in IntelliJ logs)

Reached the **Whitelabel error page**, confirming:

* Application is up
* Security is active
* Routing is not yet implemented

**Next Planned Step**

* Create a **basic HomeController and home.html** template to replace the Whitelabel error
* Begin implementation of **User registration and login system** using Spring Security and Thymeleaf templates