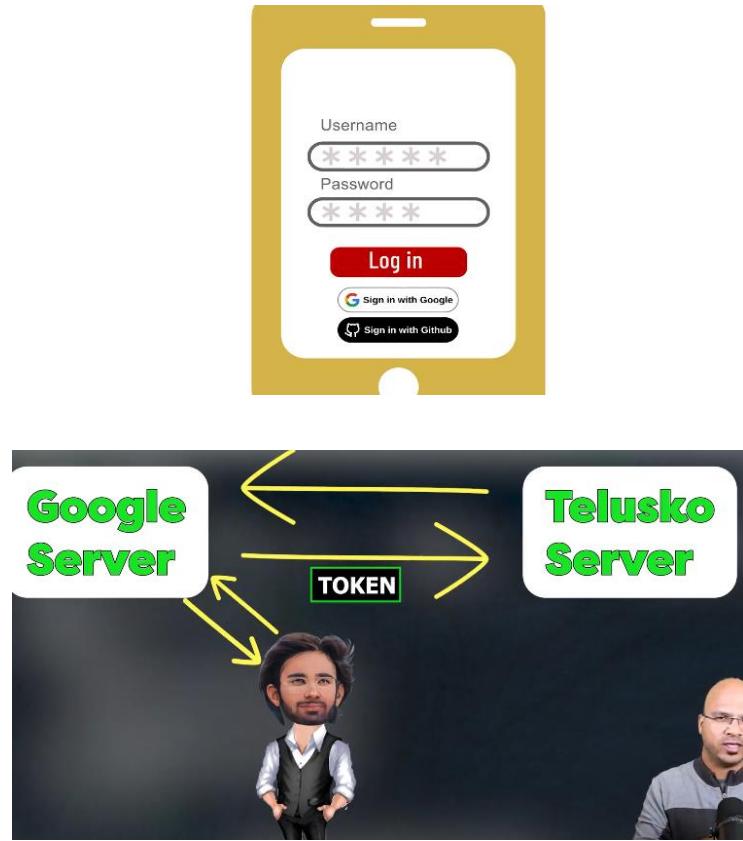


13.Implementing OAuth2



Implementing Google and GitHub OAuth2 Login in Spring Boot

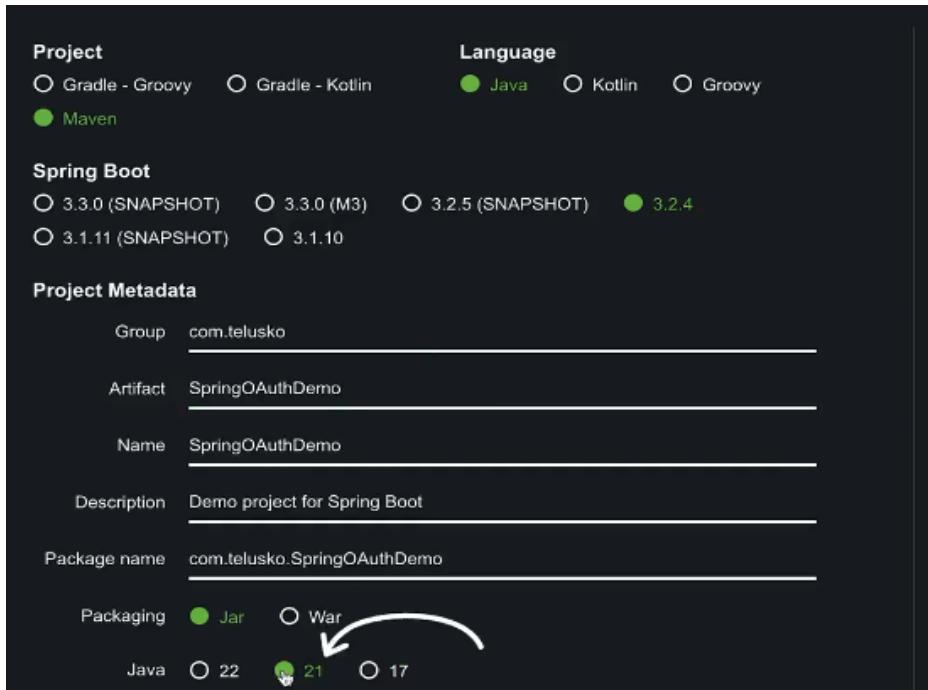
This guide will help you set up **Google OAuth2 Login** and **GitHub OAuth2 Login** for your Spring Boot application. It includes the configurations and steps required to integrate both providers successfully.

Project Setup

1. Prerequisites

- Java 17+
- Spring Boot 3.0+
- Maven
- IDE (e.g., IntelliJ, Eclipse)

- Google and GitHub developer accounts to register your application.



2. Maven Dependencies

Add the following dependencies in your `pom.xml` for Spring Security OAuth2 support:

```
<dependencies>
    <!-- Spring Security OAuth2 -->
    <dependency>
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-starter-oauth2-client</artifactId>
    </dependency>

    <!-- Spring Web -->
    <dependency>
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-starter-web</artifactId>
    </dependency>
</dependencies>
```