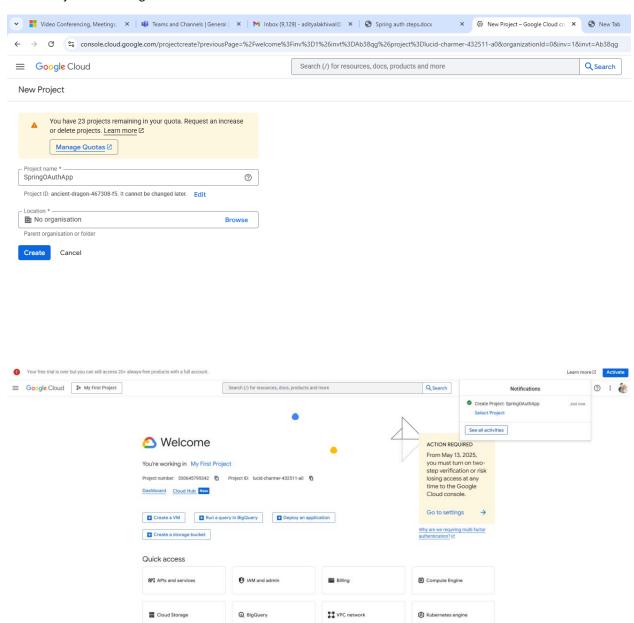
Full Stack Practical 3

Aim: Implement Springboot oauth2 Login Application

Create Project from Google Cloud



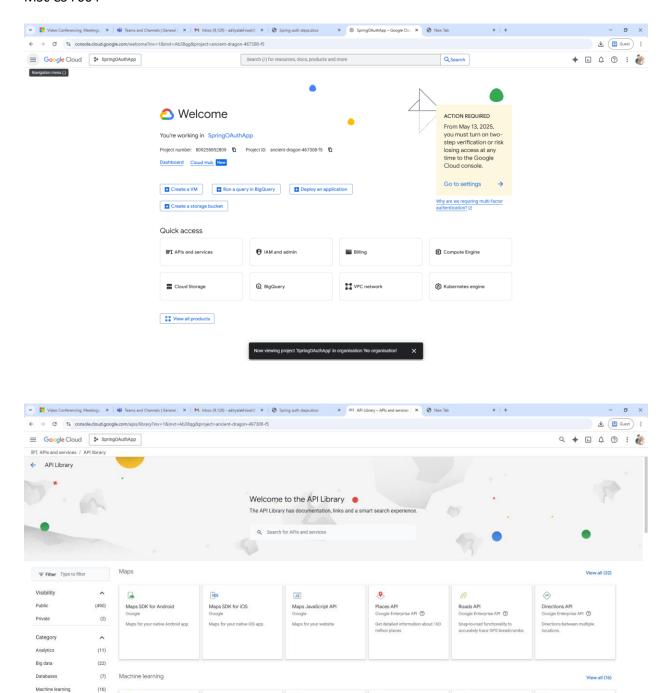
Maps

DevOps

(32)

(24)

Cloud Vision API Google Enterprise A



Cloud Natural Language API

文→A

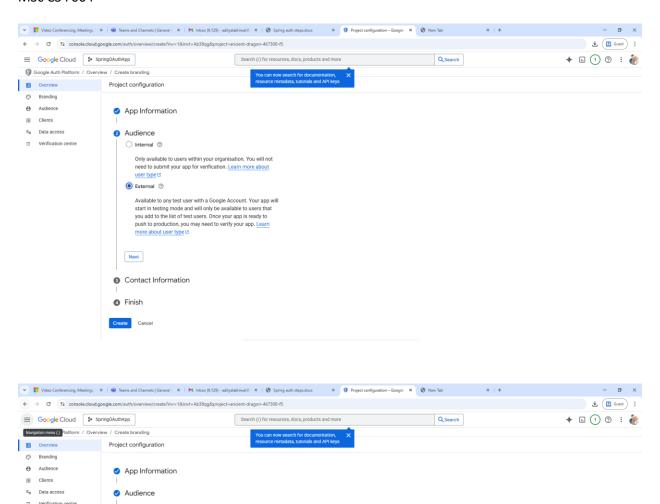
Cloud Translation API Google Enterprise API

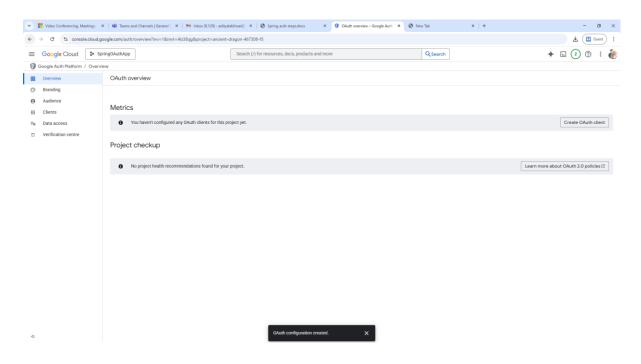
Cloud Speech-to-Text API

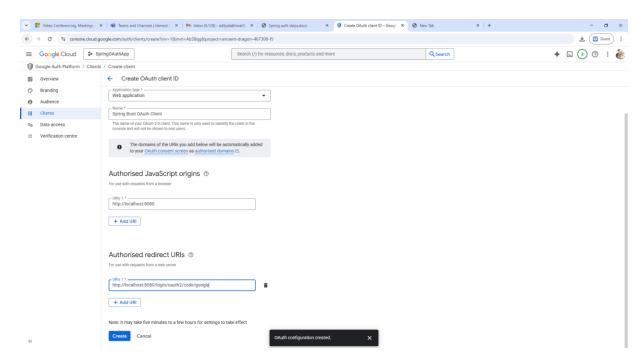
Al Platform Training & Prediction API Google Enterprise API ①

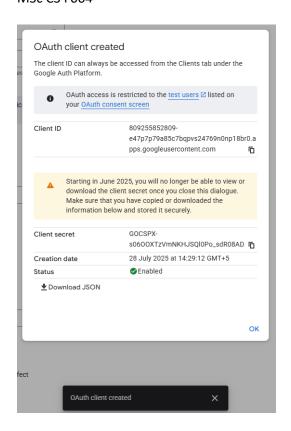
Contact Information

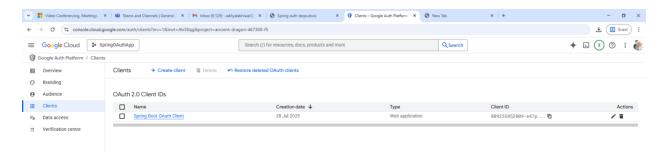
✓ Finish
Create Cancel



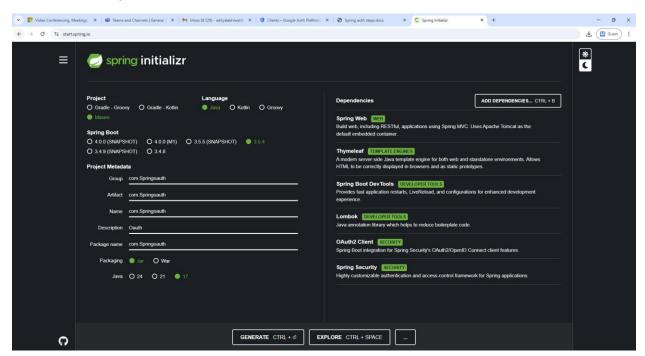




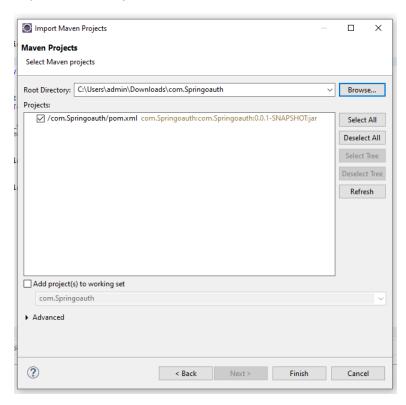




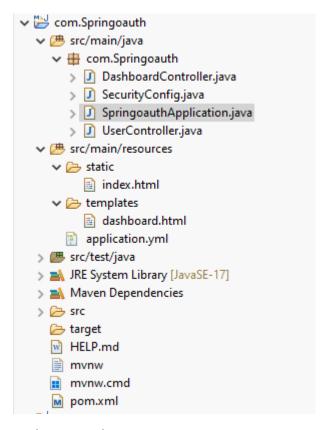
Create Maven Project:



Import Maven Project:



Structure:



application.yml

```
application.yml × 🛽 SecurityConfig.java
                                                     UserController.java
                                                                                    DashboardController.j...
                                                                                                                                                                    SpringoauthApplicat...
                                                                                                                      index.html ashboard.html
  1⊖ spring:
       security:
  2⊖
              client:
                registration:
  6⊝
                   google:
   client-id: 809255852809-e47p7p79a85c7bqpvs24769n0np18br0.apps.googleusercontent.com
                      client-secret: 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 scope: profile, email redirect-uri: "{baseUrl}/login/oauthz/code/{registrationId}" authorization-grant-type: authorization_code
 10
11
                      client-name: Google
 140
                   google:
 15
                      authorization-uri: https://accounts.google.com/o/oauth2/v2/auth
 16
17
                      token-uri: https://oauth2.googleapis.com/token
user-info-uri: https://www.googleapis.com/oauth2/v3/userinfo
user-name-attribute: sub
 19⊖ server:
 20 port: 8080
```

SecurityConfig.java:

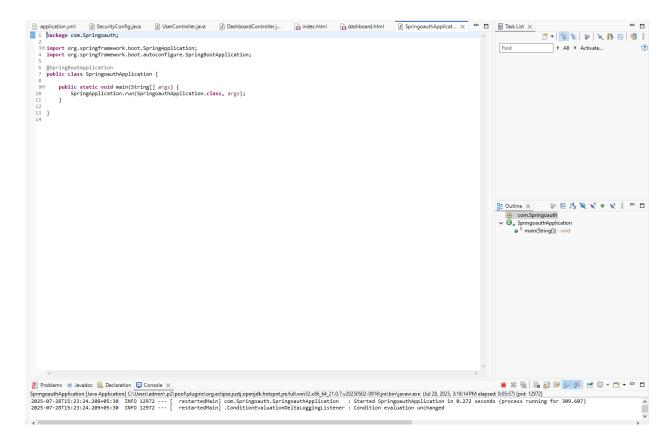
UserController.java

```
🖹 application.yml 🛮 SecurityConfig.java 📳 UserController.java 📳 UserController.java 📳 "DashboardController... 🗶 🕠 index.html 🕡 dashboard.html 📳 SpringoauthApplicati... 🗀 🗖
  1 package com.Springoauth;
  import org.springframework.security.oauth2.core.user.OAuth2User;
  import org.springframework.stereotype.Controller;
  9 import org.springframework.ui.Model;
 10 import org.springframework.web.bind.annotation.GetMapping;
 14
15 @Controller
 public class DashboardController {
       @GetMapping("/dashboard")
       public String dashboard(@AuthenticationPrincipal OAuth2User principal, Model model) {
          // Extract user details from OAuth2User
         String username = principal.getAttribute("name");
         String email = principal.getAttribute("email");
         // Add user details to the model
          model.addAttribute("username", username);
           model.addAttribute("email", email);
           return "dashboard";
       }
 44 45 }
```

index.html inside static folder:

dashboard.html inside templates folder:

SpringoauthApplication.java



Output:

