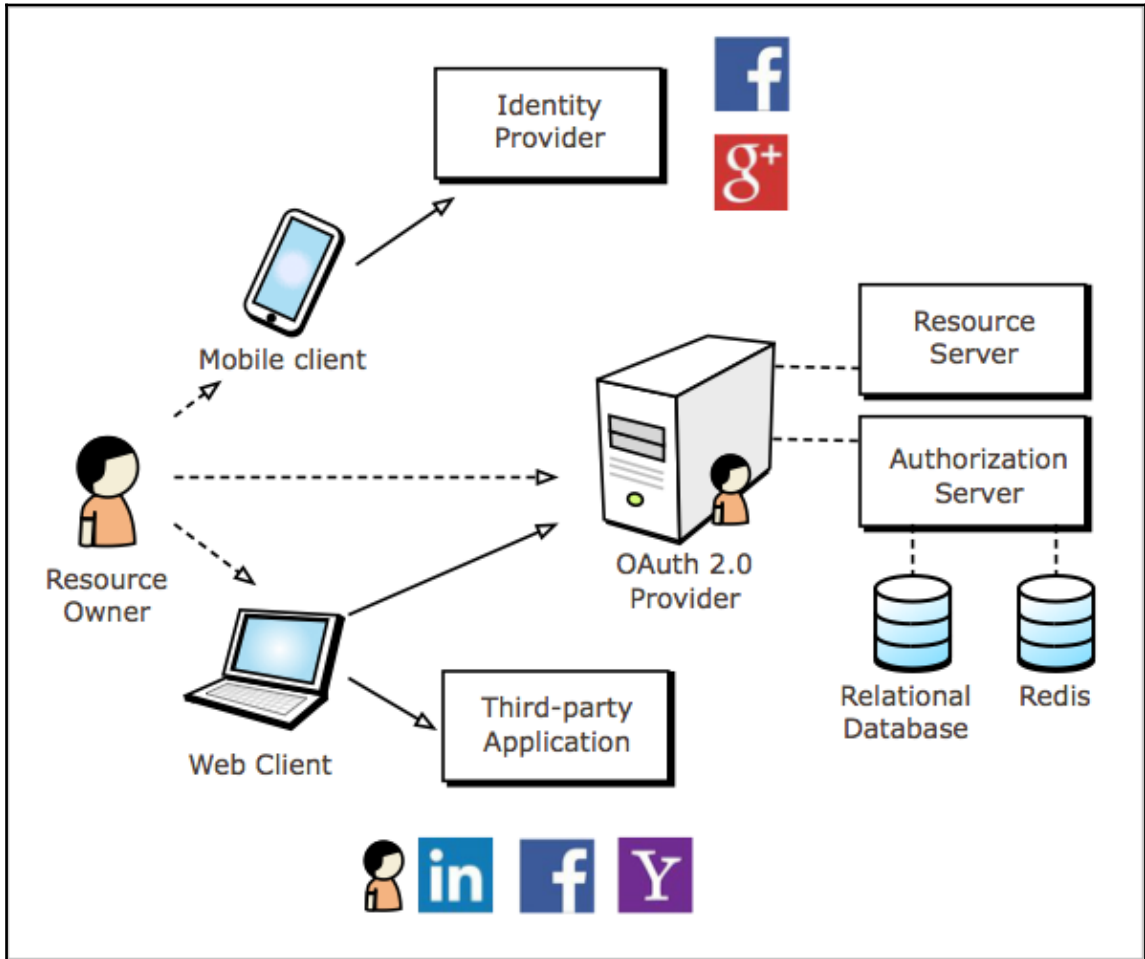


Chapter 1: OAuth 2.0 Foundations



Dependencies

Add Spring Boot Starters and dependencies to your application

Search for dependencies

Selected Dependencies

Web ×

☰ facebook for developers



Create App



You currently have no apps integrated with Facebook.

Create a New App

Create a New App ID

Get started integrating Facebook into your app or website

Display Name

Contact Email

By proceeding, you agree to the [Facebook Platform Policies](#)

Cancel

Create App ID


client-implicit **APP ID:** 1032424853560340 [View Analytics](#)

- Dashboard
- Settings
- Roles
- Alerts
- App Review

PRODUCTS


+ Add Product

Select a product



Account Kit

Seamless account creation. No more passwords.



Facebook Login

The world's number one social login product.

Facebook Login

- Settings**
- Quickstart

+ Add Product

Valid OAuth redirect URIs

No Login from Devices

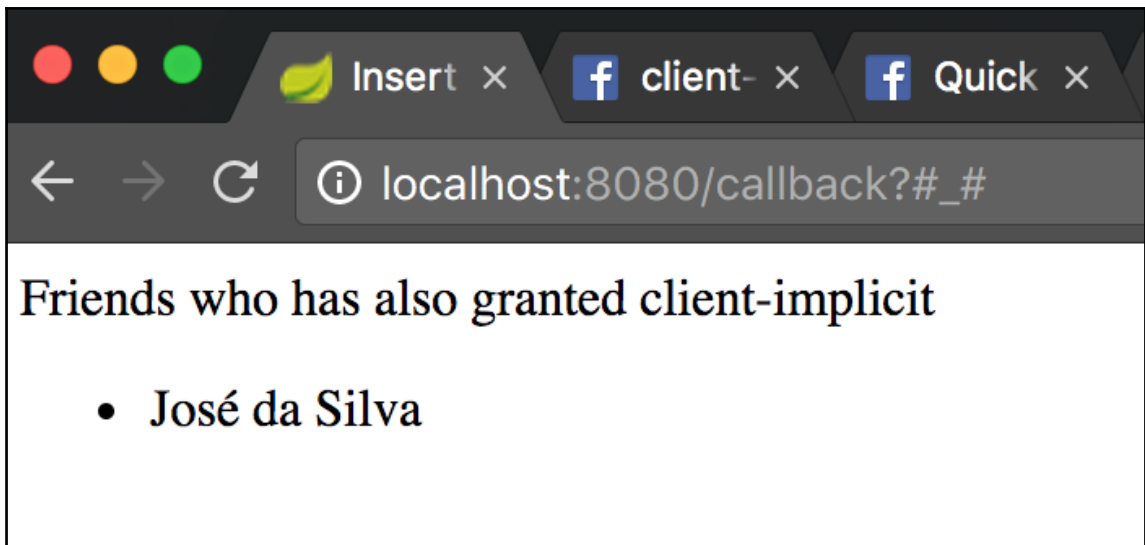
Enables the OAuth client login flow for devices like a smart TV [?]

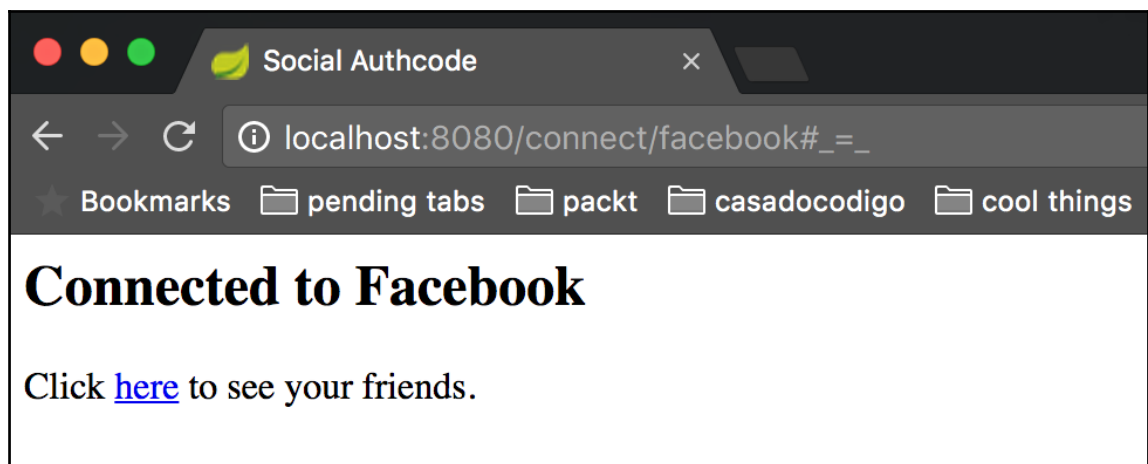
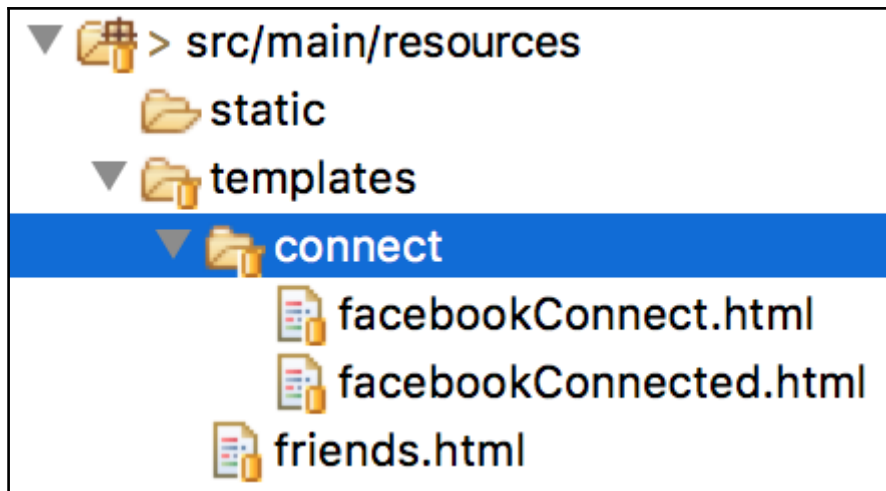
client-implicit

This app is in development mode and can only be used by app admins, developers and testers [?]

API Version [?] **App ID**

App Secret





Hello, Adolfo Eloy!

Your friends which also allowed social-authcode:

1429852930431072 - Nina

Create a New Application

Company Name: *

OAuth2-cookbook

Name: *

social-linkd

Description: *

OAuth 2.0 sample application

Application Logo: *



Select File to Upload



social-linkd

Authentication

Settings

Roles

Mobile

JavaScript

OS

Usage & Limits

My Applications

Authentication Keys

Client ID: 781ilgzdm2kccn

Client Secret: 4ipUkyUzprqKxkQI

Default Application Permissions

r_basicprofile

r_emailaddress

rw_company_admin

w_share

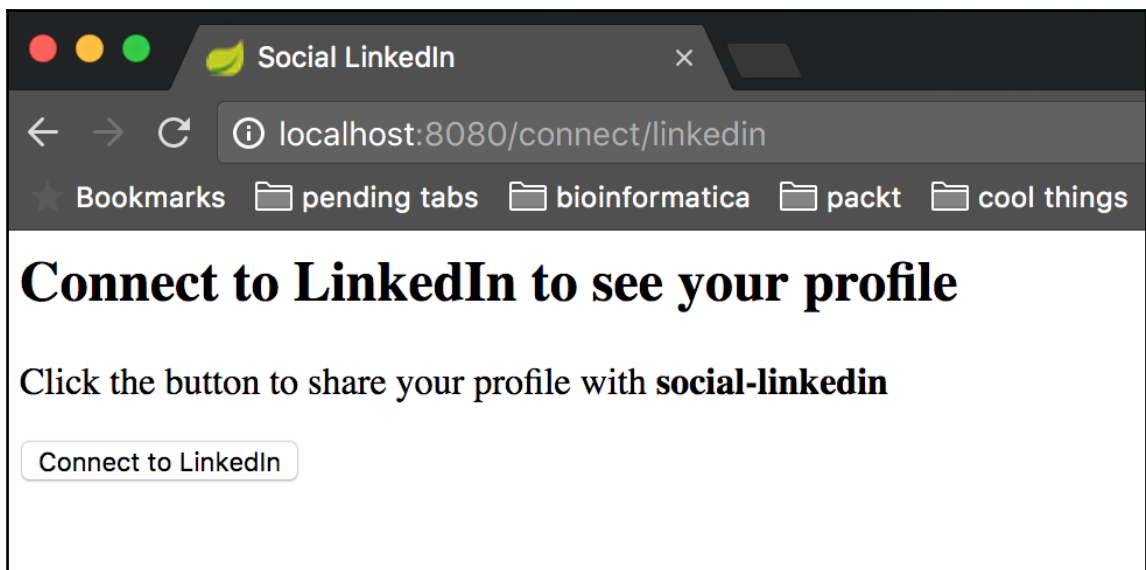
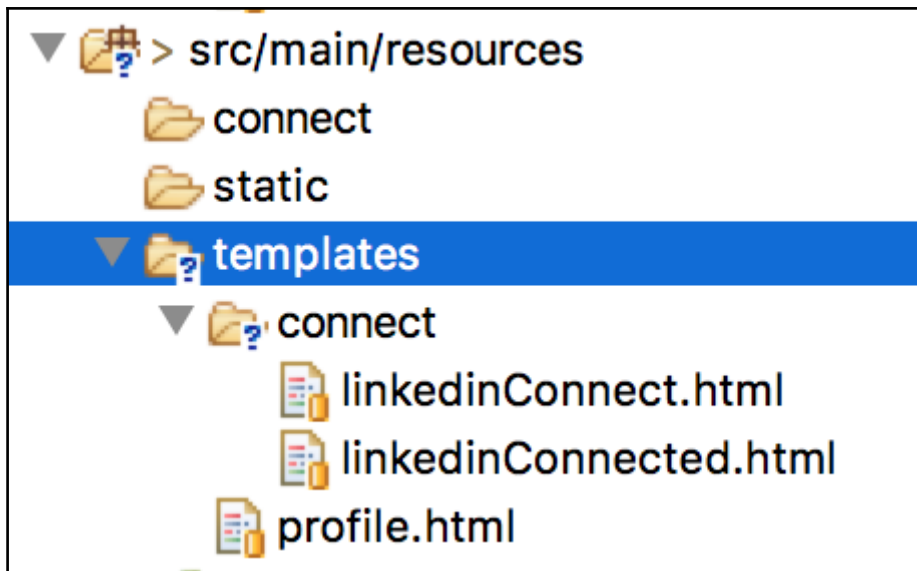
OAuth 2.0

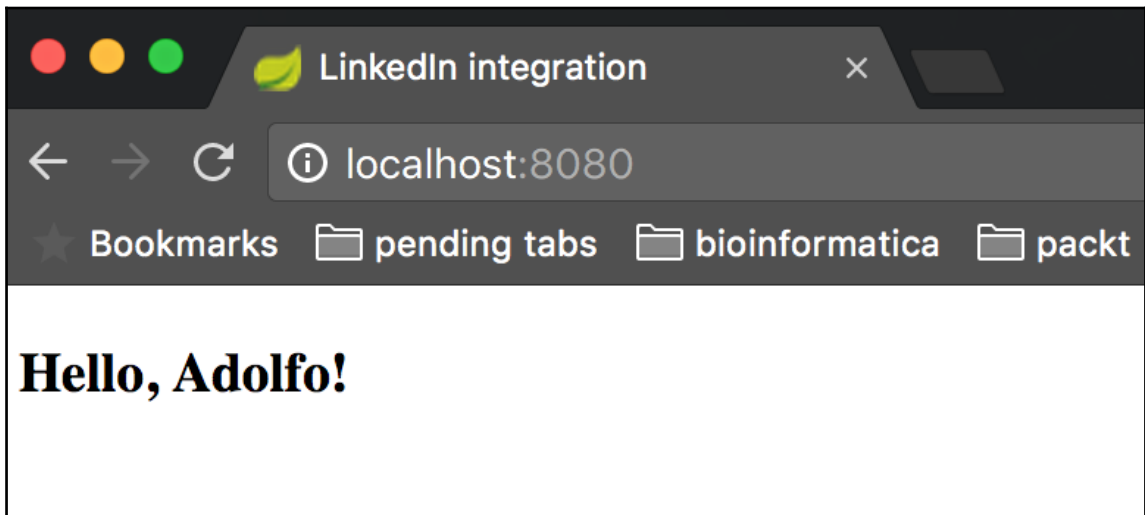
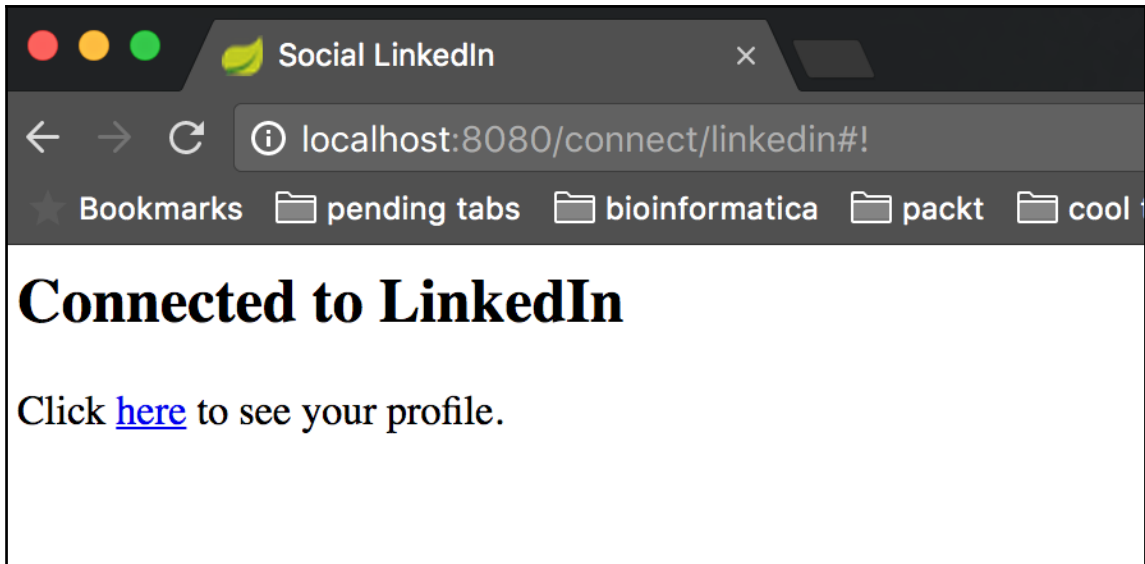
Authorized Redirect URLs:

Add




http://localhost:8080/connect/linkedin










☰ Google APIs Select a project ▾ 🔍

API API Manager	Dashboard + ENABLE API
 Dashboard	Enabled APIs No project is selected
 Library	
 Credentials	

Select


No organization ▾  


Recent [All](#)

Name	ID
 No organization	0




New Project

 You have 4 projects remaining in your quota. [Learn more.](#)

Project name 

social-google1

Your project ID will be cool-skill-173813  [Edit](#)

Create

Cancel



API API Manager

Dashboard

 [ENABLE API](#)



Dashboard

Enabled APIs

No APIs are enabled



Library



Credentials

Library

[Google APIs](#)

🔍 Search all 100+ APIs

Popular APIs



Google Cloud APIs

- Compute Engine API
- BigQuery API
- Cloud Storage Service
- Cloud Datastore API
- Cloud Deployment Manager API
- Cloud DNS API
- 👇 More



Google Cloud Machine Learning

- Vision API
- Natural Language API
- Speech API
- Translation API
- Machine Learning Engine API



Social APIs

- Google+ API
- Blogger API
- Google+ Pages API
- Google+ Domains API



Google+ API



ENABLE

About this API

The Google+ API enables developers to build on top of the Google+ platform.

Using credentials with this API

Accessing user data with OAuth 2.0

You can access user data with this API. On the Credentials page, create an OAuth 2.0 client ID. A client ID requests user consent so that your app can access user data. Include that client ID when making your API call to Google. [Learn more](#)



Your app

API API Manager



Dashboard



Library



Credentials

Credentials

[Credentials](#)

[OAuth consent screen](#)

[Domain verification](#)

Create credentials ▾

Delete

Create credentials to access your enabled APIs. [Refer to the API documentation](#) for details.

Credentials

OAuth consent screen

Domain verification

Create credentials ▼

Delete

API key

Identifies your project using a simple API key to check quota and access

OAuth client ID

Requests user consent so your app can access the user's data

Service account key

Enables server-to-server, app-level authentication using robot accounts

Help me choose

Asks a few questions to help you decide which type of credential to use



Create client ID

Application type

- Web application
- Android [Learn more](#)
- Chrome App [Learn more](#)
- iOS [Learn more](#)
- PlayStation 4
- Other

Name

Restrictions

Enter JavaScript origins, redirect URIs, or both

Authorized JavaScript origins

For use with requests from a browser. This is the origin URI of the client application. It can't contain a wildcard (http://*.example.com) or a path (http://example.com/subdir). If you're using a nonstandard port, you must include it in the origin URI.

http://localhost:8080 ×

http://www.example.com

Authorized redirect URIs

For use with requests from a web server. This is the path in your application that users are redirected to after they have authenticated with Google. The path will be appended with the authorization code for access. Must have a protocol. Cannot contain URL fragments or relative paths. Cannot be a public IP address.

http://localhost:8080/connect/google ×

http://www.example.com/oauth2callback

Create

Cancel

OAuth client

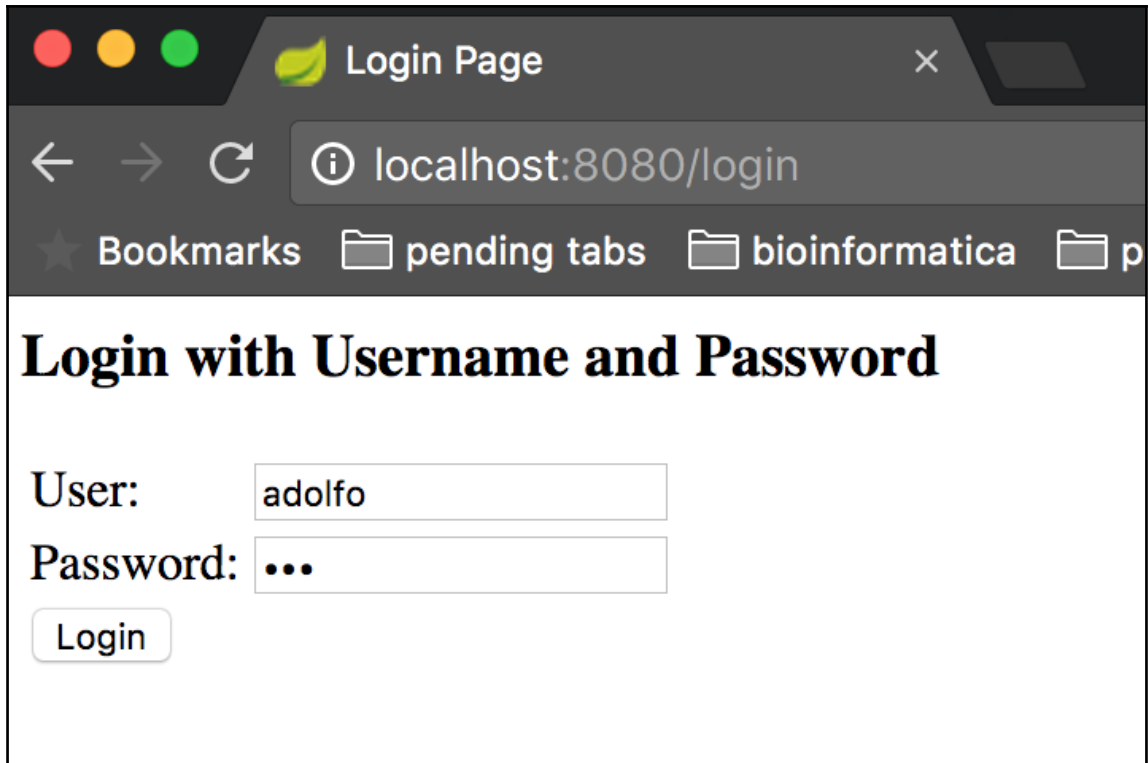
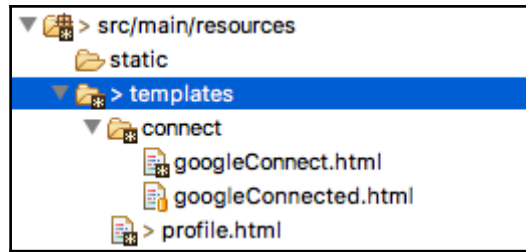
Here is your client ID

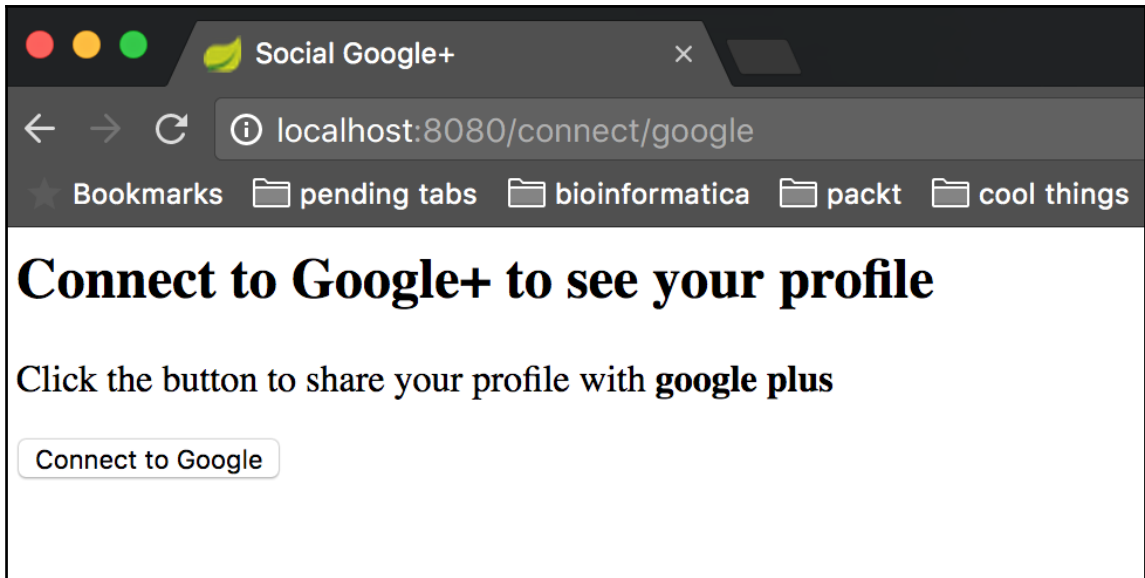
688645170704-4dt14p77gib4dtahc69ca5v9pfse9ogr.apps.googleusercontent.com 

Here is your client secret

6VIMB7Nyj7jysQ5TwdS0GHM_ 

OK





Social Google+



localhost:8080/connect/google

Bookmarks pending tabs bioinformatica packt cool things

Connect to Google+ to see your profile

Click the button to share your profile with **google plus**

Connect to Google



Sign in

with your Google Account

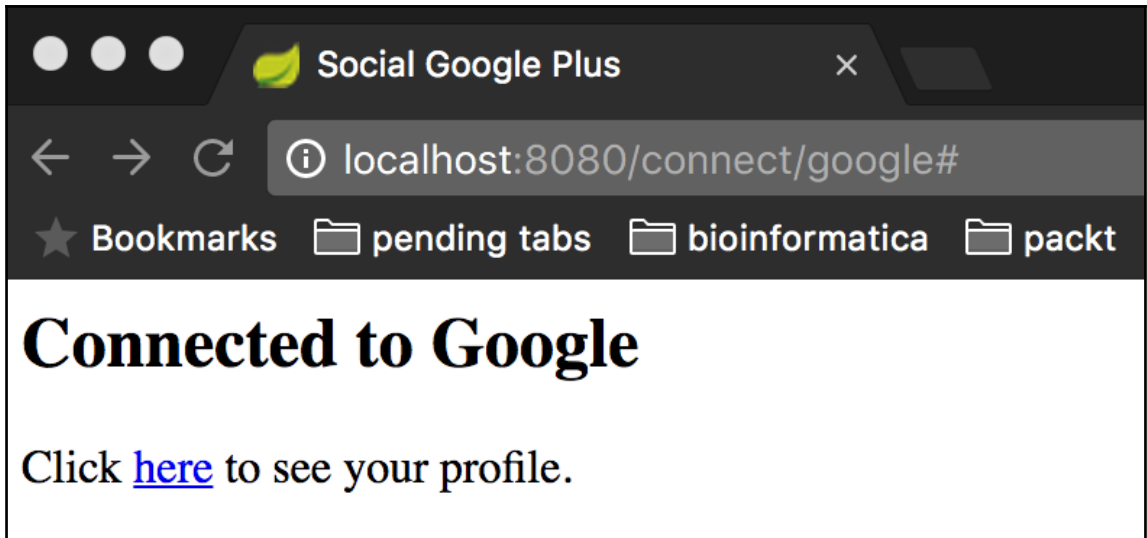
Email or phone

adolfo|

[Forgot email?](#)

[More options](#)

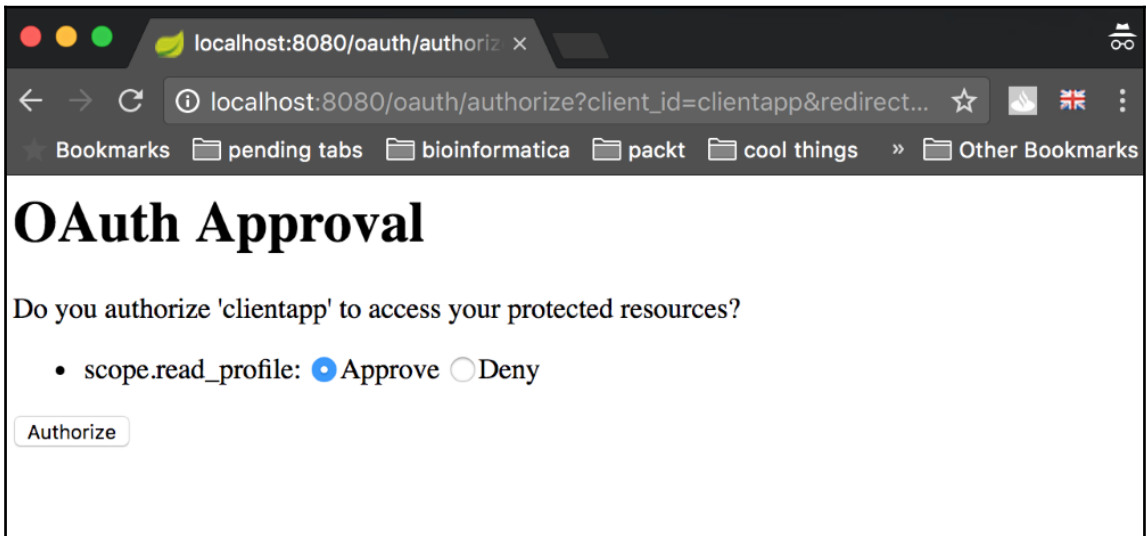
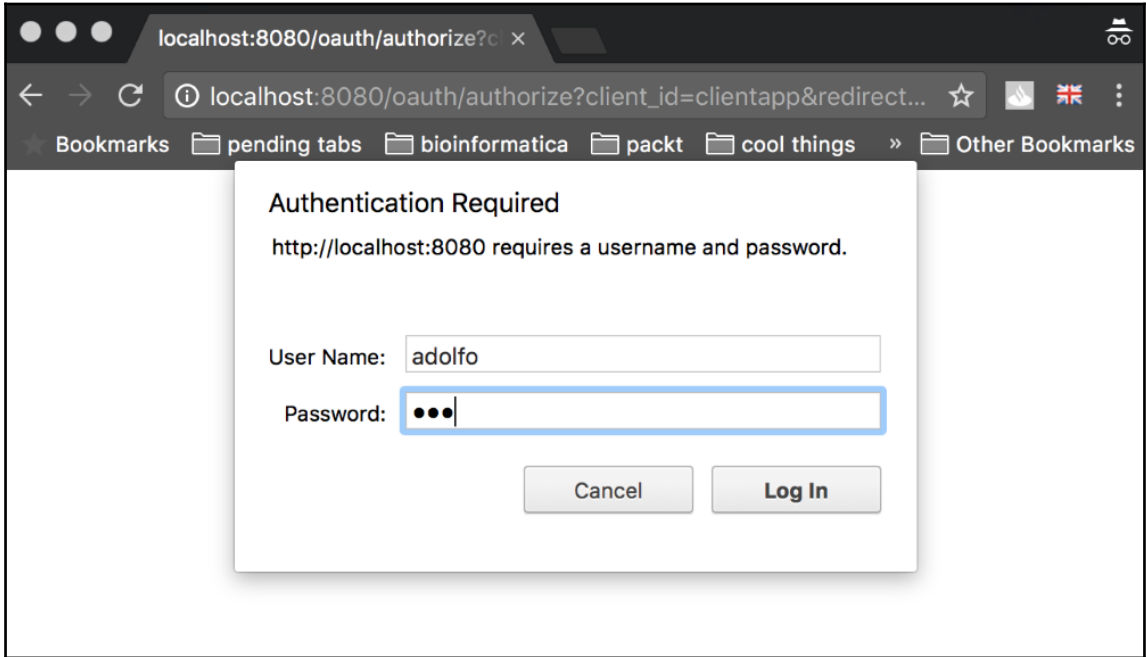
NEXT



Connected to Google

Click [here](#) to see your profile.

Chapter 2: Implementing Your Own OAuth 2.0 Provider



Authentication Required

http://localhost:8080 requires a username and password.

User Name:

Password:

Cancel

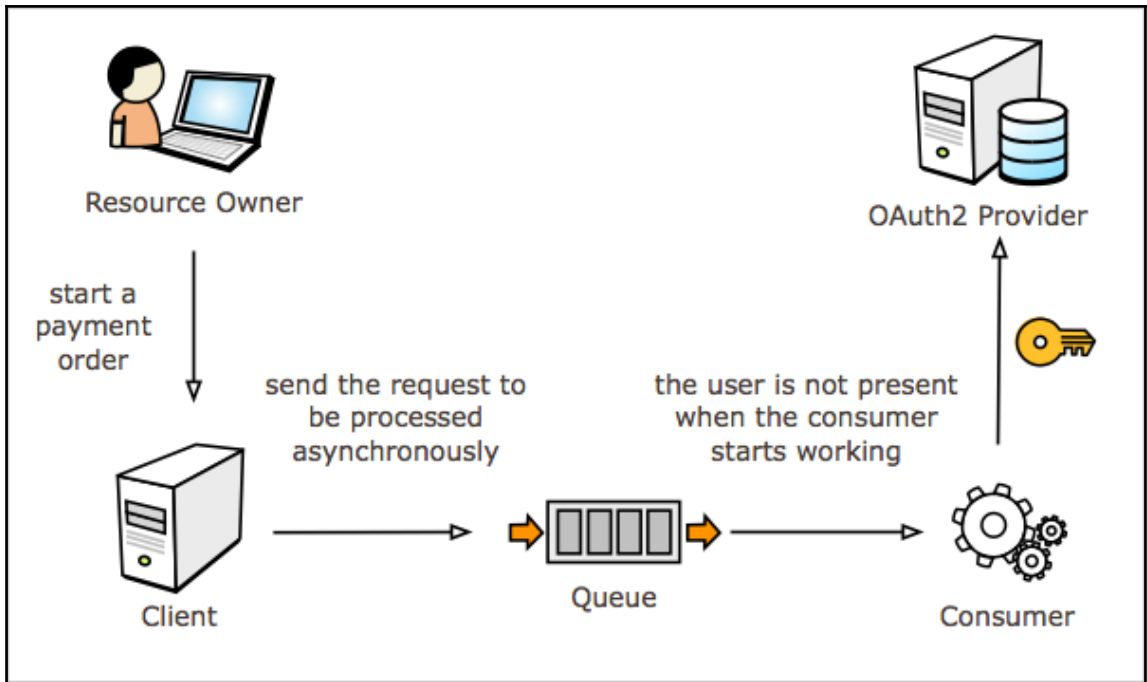
Log In

OAuth Approval

Do you authorize 'clientapp' to access your protected resources?

- scope.read_profile: Approve Deny

Authorize



OAuth2 Provider

Registered applications

Application name	client type	client ID	client secret	Delete app
------------------	-------------	-----------	---------------	------------

Create a new app

OAuth2 Provider

Create your application (client registration)

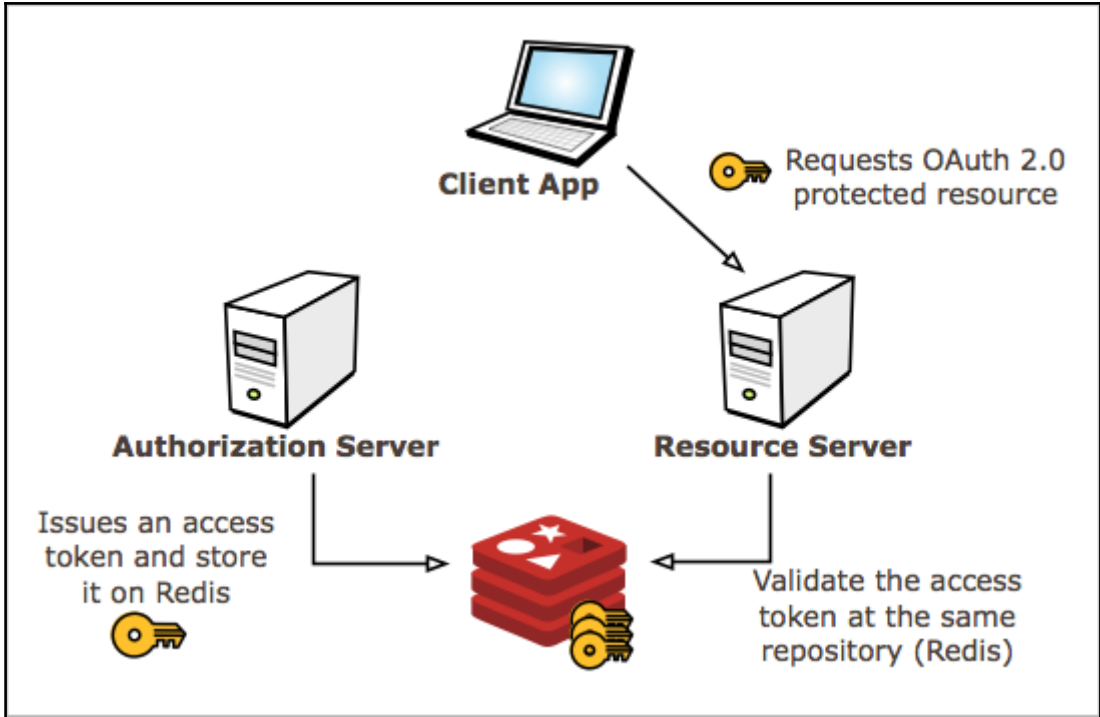
Name:

Redirect URL:

Type of application:

Registered applications

Application name	client type	client ID	client secret	Delete app
My client application	CONFIDENTIAL	e5a3a8f6-b59b-47e8-a0e5-966efe9f2ae5	9370cebf-7bff-4109-ba59-4f9db9326da1	<input type="button" value="Delete"/>



Properties for load-testing2

type filter text

- ▶ Resource
 - Builders
 - Git
 - Java Build Path
- ▶ Java Code Style
- ▶ Java Compiler
- ▶ Java Editor
 - Javadoc Location
- ▶ Maven
 - Project References
 - Run/Debug Settings
 - Scala Async Debugger
 - Scala Compiler**
 - Scala Formatter
 - Scala Organize Imports
 - Task Tags
- ▶ Validation

Scala Compiler

Use Project Settings

Scala Installation: Latest 2.11 bundle (dynamic)

Project Compiler Settings

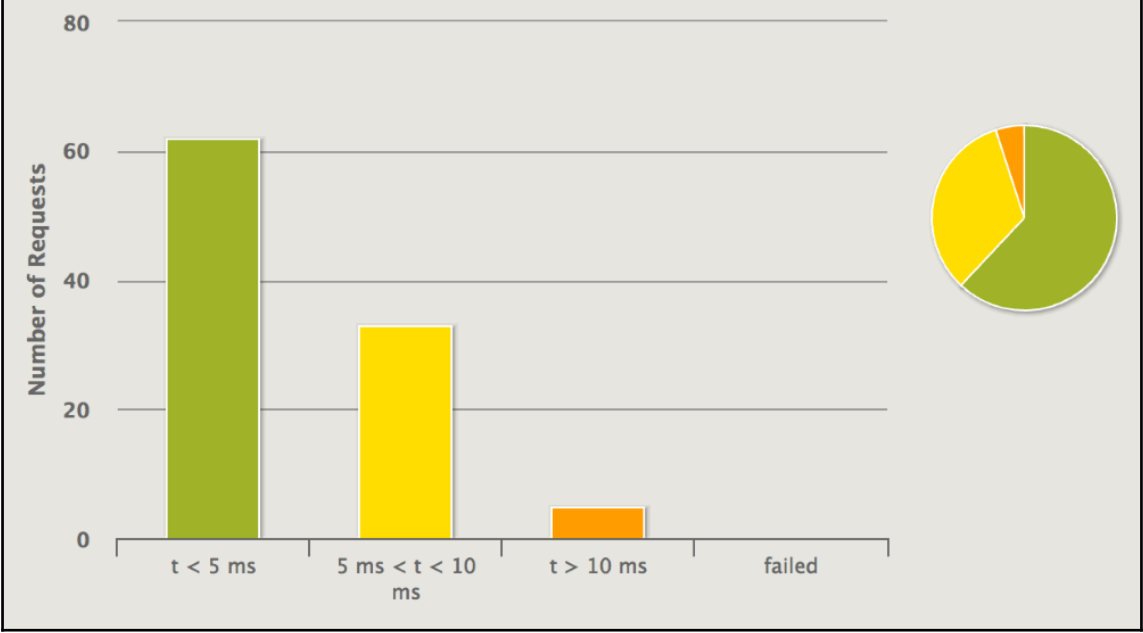
Standard | Advanced | Presentation Compiler

Standard

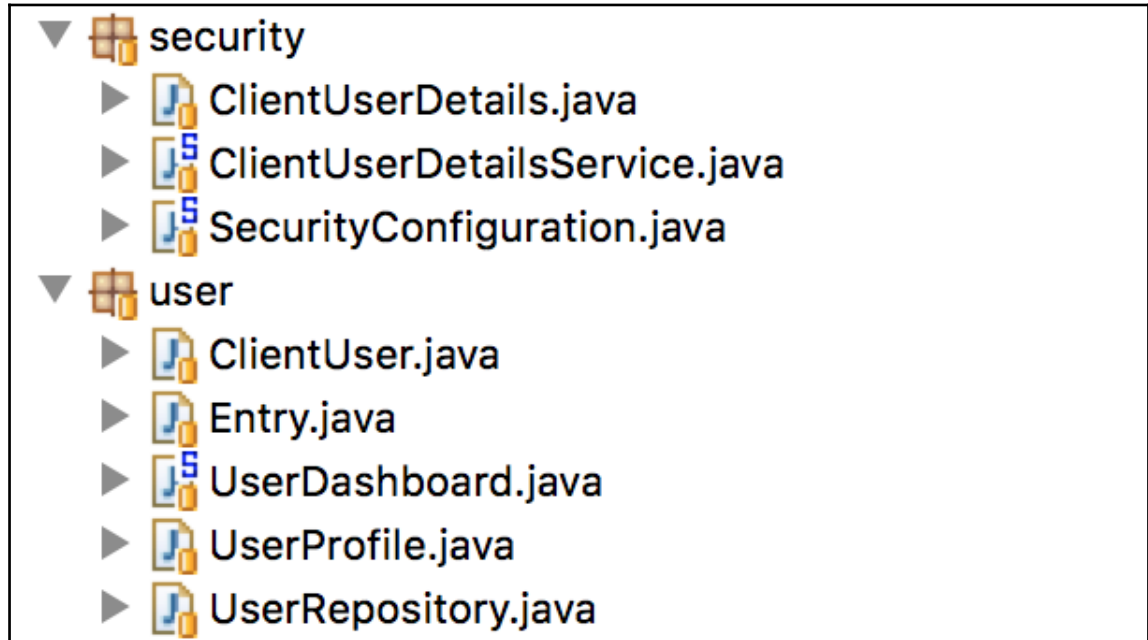
deprecation	<input type="checkbox"/>	Emit warning and location for usages of d
feature	<input type="checkbox"/>	Emit warning and location for usages of f
g	vars	Set level of generated debugging info. Ch
optimise	<input type="checkbox"/>	Compiler flag for the optimizer in Scala 2.
target	jvm-1.8	Target platform for object files. All JVM 1
unchecked	<input type="checkbox"/>	Enable additional warnings where generat
P		Pass an option to a plugin
no-specialization	<input type="checkbox"/>	Ignore @specialize annotations.
verbose	<input type="checkbox"/>	Output messages about what the compile
explaintypes	<input type="checkbox"/>	Explain type errors in more detail.
nowarn	<input type="checkbox"/>	Generate no warnings.

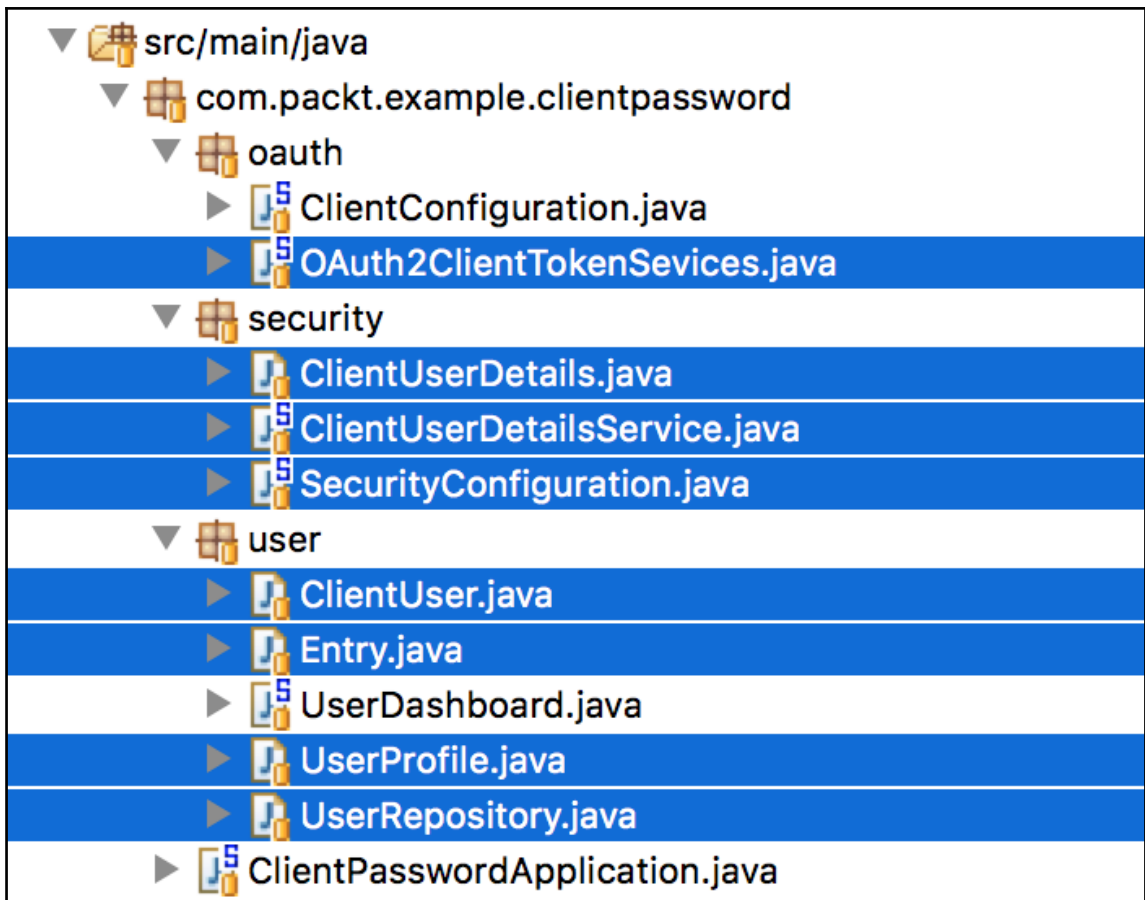
Additional command line parameters: -Xsource:2.11 -Ymacro-expand:none














Indicators



Chapter 3: Using OAuth 2.0 Protected APIs

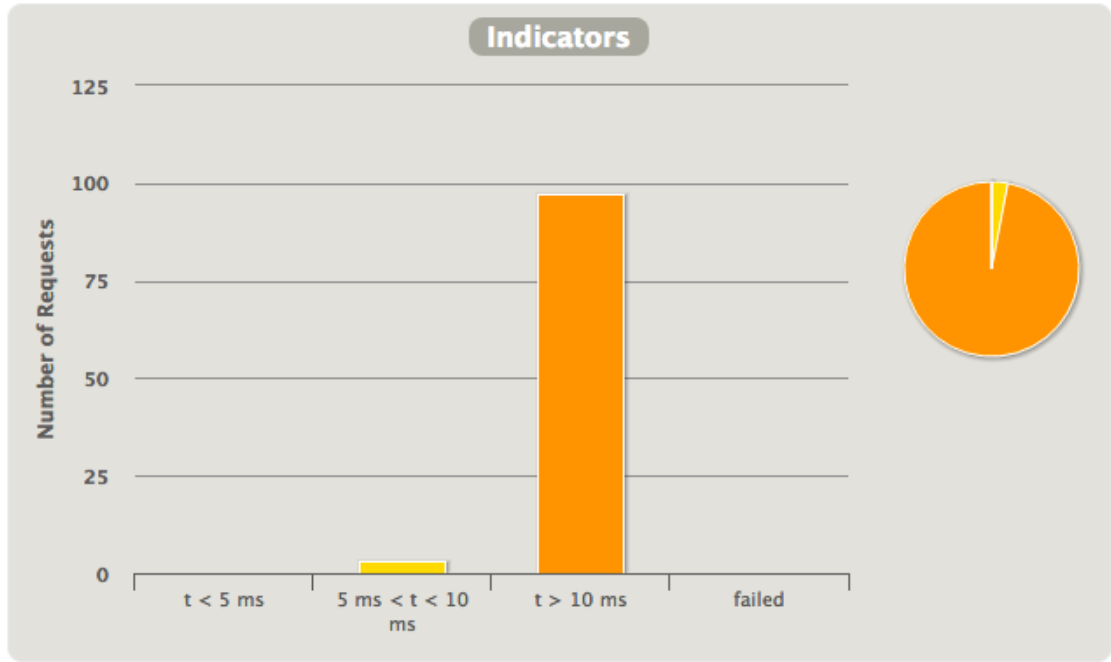




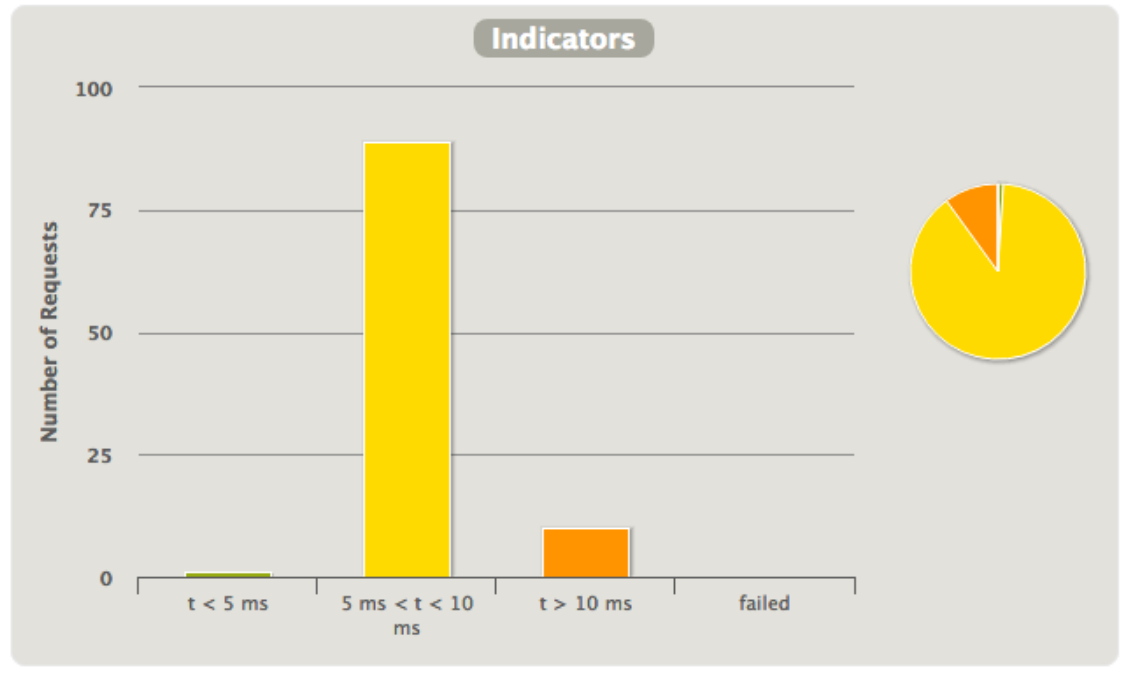
- ▼  com.packt.example.clientresttemplate
 - ▶  oauth
 - ▼  security
 - ▶  ClientUserDetails.java
 - ▶  ClientUserDetailsService.java
 - ▶  SecurityConfiguration.java
 - ▼  user
 - ▶  ClientUser.java
 - ▶  Entry.java
 - ▶  UserDashboard.java
 - ▶  UserProfile.java
 - ▶  UserRepository.java
 - ▶  ClientRestTemplateApplication.java

Chapter 4: OAuth 2.0 Profiles

> Validate access token without cache



➤ **Validate access token with cache**



Chapter 6: OpenID Connect for Authentication

Logged as adolfo.elay@gmail.com

That's your profile

hobbie:aa

profession:bb

That's your OpenID info

name:Adolfo Eloy

subject:213212312312312

provider:https://accounts.google.com

exp time(ms):1506186217

access token:Jc3nmOZ9mt5BezDasaadsS4w

[Add/Edit](#)

[Logout](#)

You are logged in

Name:Adolfo Eloy

Email:adolfo.elay@gmail.com

Profile:[Google + account](#)



Picture:

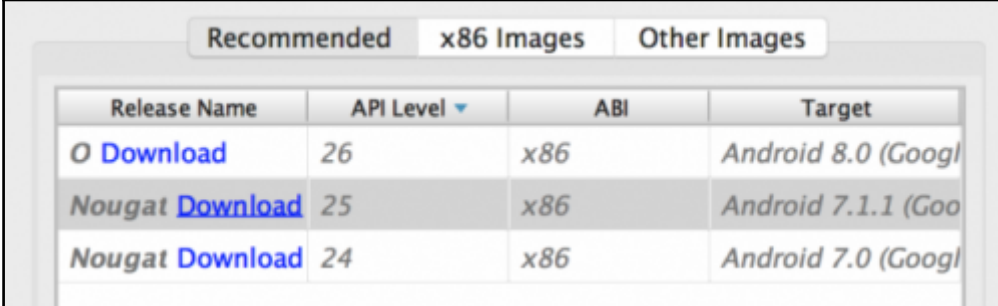
[Home](#)

Login with OAuth 2.0

[Microsoft](#)

[Google](#)

Chapter 7: Implementing Mobile Clients



Release Name	API Level ▾	ABI	Target
O Download	26	x86	Android 8.0 (Googl
Nougat Download	25	x86	Android 7.1.1 (Goo
Nougat Download	24	x86	Android 7.0 (Googl

Chapter 8: Avoiding Common Vulnerabilities

OAuth Approval

Do you authorize 'clientapp' to access your protected resources?

- scope.read_x: Approve Deny
- scope.read_y: Approve Deny

Authorize

OAuth Approval

Do you authorize 'clientapp' to access your protected resources?

- scope.read_x: Approve Deny

Authorize

