How to login by Facebook

Simple guide on how to login by Facebook using scibejava library



Login with Facebook

General Information

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Version control

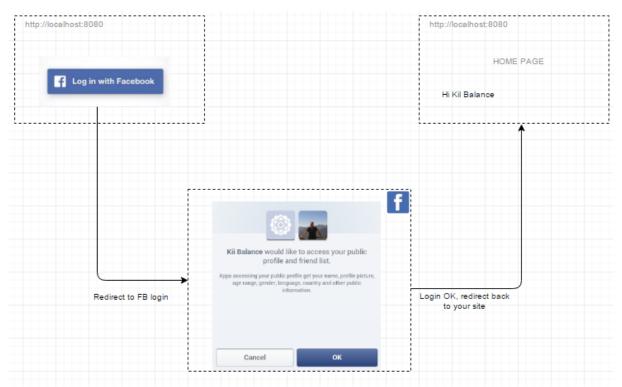
Date	Version	Author	Description
10.08.16	1.0.0	Phat H. Vu	Documentation initialization

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1 Objectives

This guide will help you to demonstrate how to integrate Facebook login into a Spring Web MVC application. We use a framework named **scribejava** (https://github.com/scribejava/scribejava) to work with FB resources.



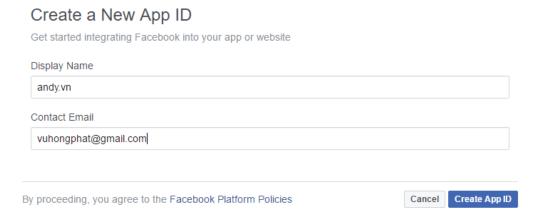
Overview flow when logging with Facebook

Basically, following are main steps:

- Create a Facebook app
 - o Get App Id & App secret.
 - Specify call back URI. You can imagine once successfully authenticated from Facebook, which URI that FB will redirect.
- Use scribejava library to get access token, then use this access token to get Facebook profile.

2 Create a Facebook app

Access to: https://developers.facebook.com/apps/, click on button Add a new App. Fill required data:



Security Check

Please select all the photos which show a flower.

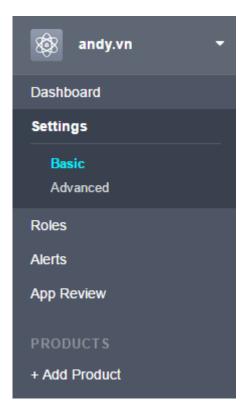
You can also do this security check with text or audio instead of photos.



If you think you're seeing this by mistake, please let us know.

Submit

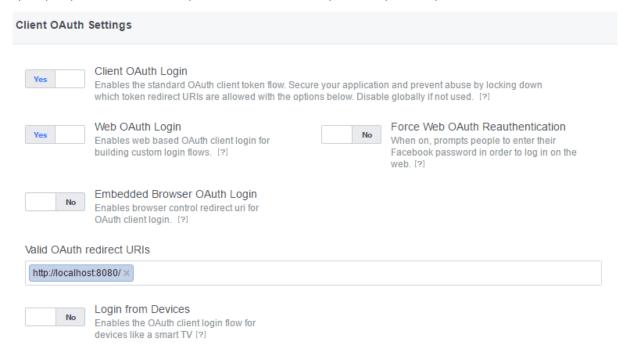
Cancel



Once successfuly creating an Facebook app, collect App ID and App Secret:



Must specify Valid Oauth redirect URIs. The URI is a callback when the login successfully. For example, you can specify http://localhost:8080. In production environment, you can replace it by a domain name:



3 Create a Spring MVC sample

Project structure:

```
facebook-login (C:\Users\vhphat\Desktop\facebook-login)
▼ 🗀 src
   ▼ 🗀 main
      ▼ □ java
         ▼ 🖭 social.demo
            ▼ in constant
                  C & FacebookConstant
            ▼ in controller
                  C & HomeController
            ▼ 🛅 entity
                  C & FacebookProfile
            © & FacebookService
         resources
      ▼ i webapp
         ▼ □ WEB-INF
            ▼ 🗀 jsp
                   📠 index.jsp
                spring-servlet.xml
                🚰 web.xml
   ▶ 🗖 test
▶ □ target
   I facebook-login.iml
   m pom.xml
III External Libraries
```

pom.xml:

HomeController.java:

```
@Controller
@RequestMapping(value = "/")
public class HomeController {
    @Autowired
    FacebookService facebookService;

    @RequestMapping(method = RequestMethod.GET)
    public String showBooks(Model model) {
        model.addAttribute("fb_auth_url", facebookService.getAuthUrl());
        return "index";
    }

    @RequestMapping(value = "login", method = RequestMethod.GET)
    public String facebookLogin(@RequestParam(value = "code") String code, Model
model) throws IOException {
        String name = facebookService.getProfileName(code);
        model.addAttribute("profile_name", name);

        return "index";
    }
}
```

FacebookConstant.java:

```
public class FacebookConstant {
    public static final String CLIENT_ID = "657595544391983";
    public static final String CLIENT_SECRET = "fa4737e14b08fe2b7b9982cef39afa96";
    public static final String PROTECTED_RESOURCE_URL =
"https://graph.facebook.com/v2.6/me";
    public static final String CALLBACK_URL = "http://localhost:8080/login";
}
```

FacebookProfile.java:

```
public class FacebookProfile {
    private String id;
    private String name;
    // getters & setters
}
```

FacebookService.java:

```
@Service
public class FacebookService {
    OAuth20Service service;
    @PostConstruct
```

web.xml:

spring-servlet.xml:

index.jsp:

4 Run the Spring MVC sample



Home page Login by Facebook





