

# User Authorization

# Introduction

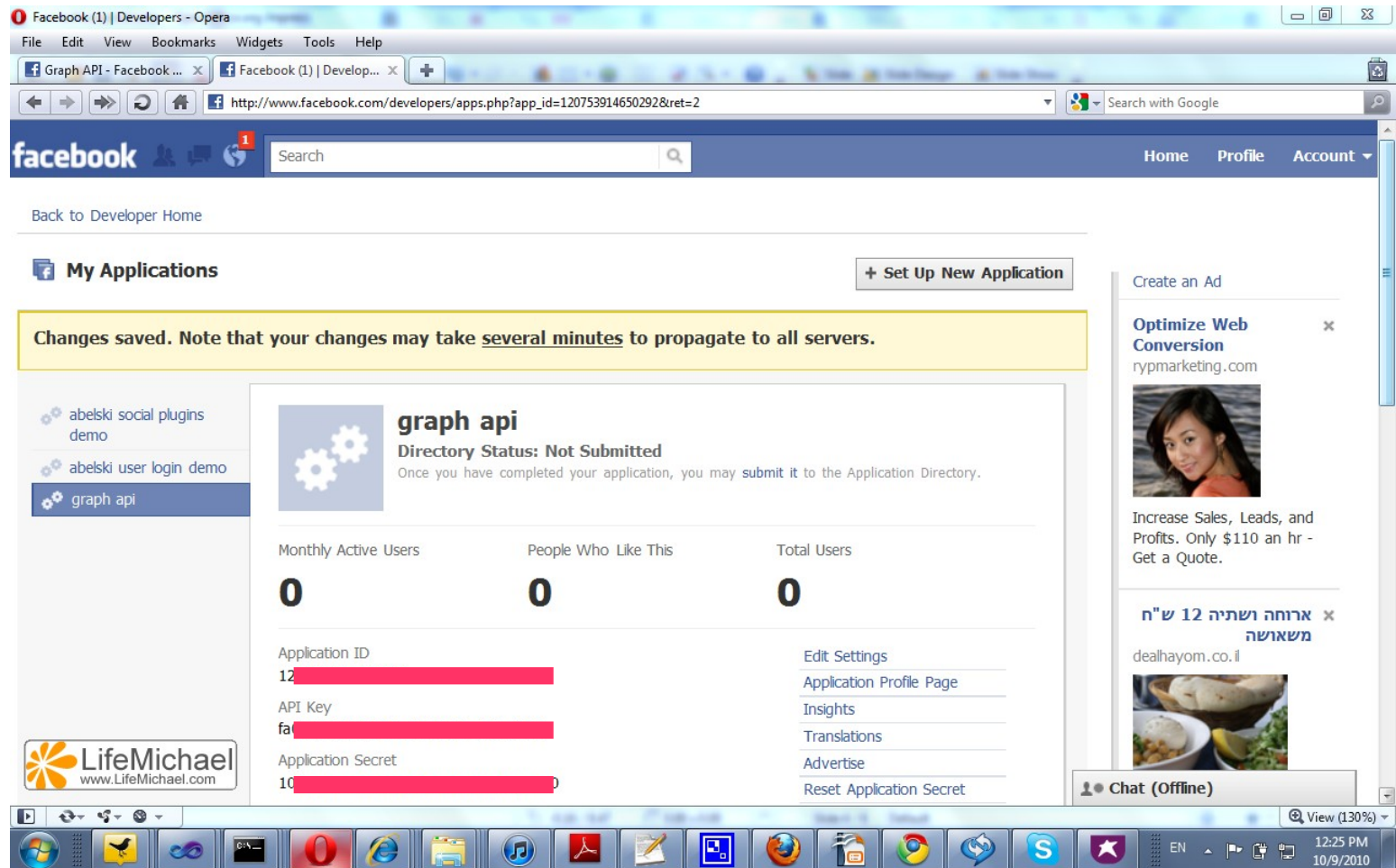
- ❖ The facebook platform uses OAuth 2.0 for authentication and authorization. OAuth 2.0 is a simpler version of OAuth version 1.0.
- ❖ When using OAuth 2.0 with facebook we should first get a token back from the facebook platform, and then we will be able to use it in each and every request (that requires OAuth 2.0 authentication) to the facebook platform.

`https://graph.facebook.com/220439?access_token=____`

# Getting OAuth 2.0 Authentication Code

- ❖ The first step is to register your application and get the app ID (`Application ID`) and the secret ID (`Application Secret`) numbers.
- ❖ The `Application ID` is also known as the `client_id`.
- ❖ The `Application Secret` is also known as the `client_secret`.

# Getting OAuth 2.0 Authentication Code



# Getting OAuth 2.0 Authentication Code

- ❖ The second step is to redirect the user to the following URL  
`https://graph.facebook.com/oauth/authorize`  
together with the `client_id` and the `redirect_uri`.
- ❖ The `redirect_uri` parameter should start with the URL of your application. If, for instance, the URL of your application is `http://samples.abelski.com` then your redirect URI can be `https://samples.abelski.com/fb/try.php`.

# Getting OAuth 2.0 Authentication Code

- ❖ The facebook platform will redirect the request back to the URL specified using `redirect_uri` appended with a query string that includes the parameter `code`.
- ❖ The value of the parameter `code` is the facebook authentication code we can now use in our application.

# Sample

- ❖ Trying to browse at the following URL address the facebook platform will generate an authentication code and redirect our request to the `redirect_uri` URL address, appended with a query string that includes the `code` parameter. The value of `code` is the facebook authentication code for our request.

```
https://graph.facebook.com/oauth/authorize?  
client_id=120753914650292&redirect_uri=http://www.abelski.com  
/courses/fbgraph/fb_code.php
```

[Click Here](#)



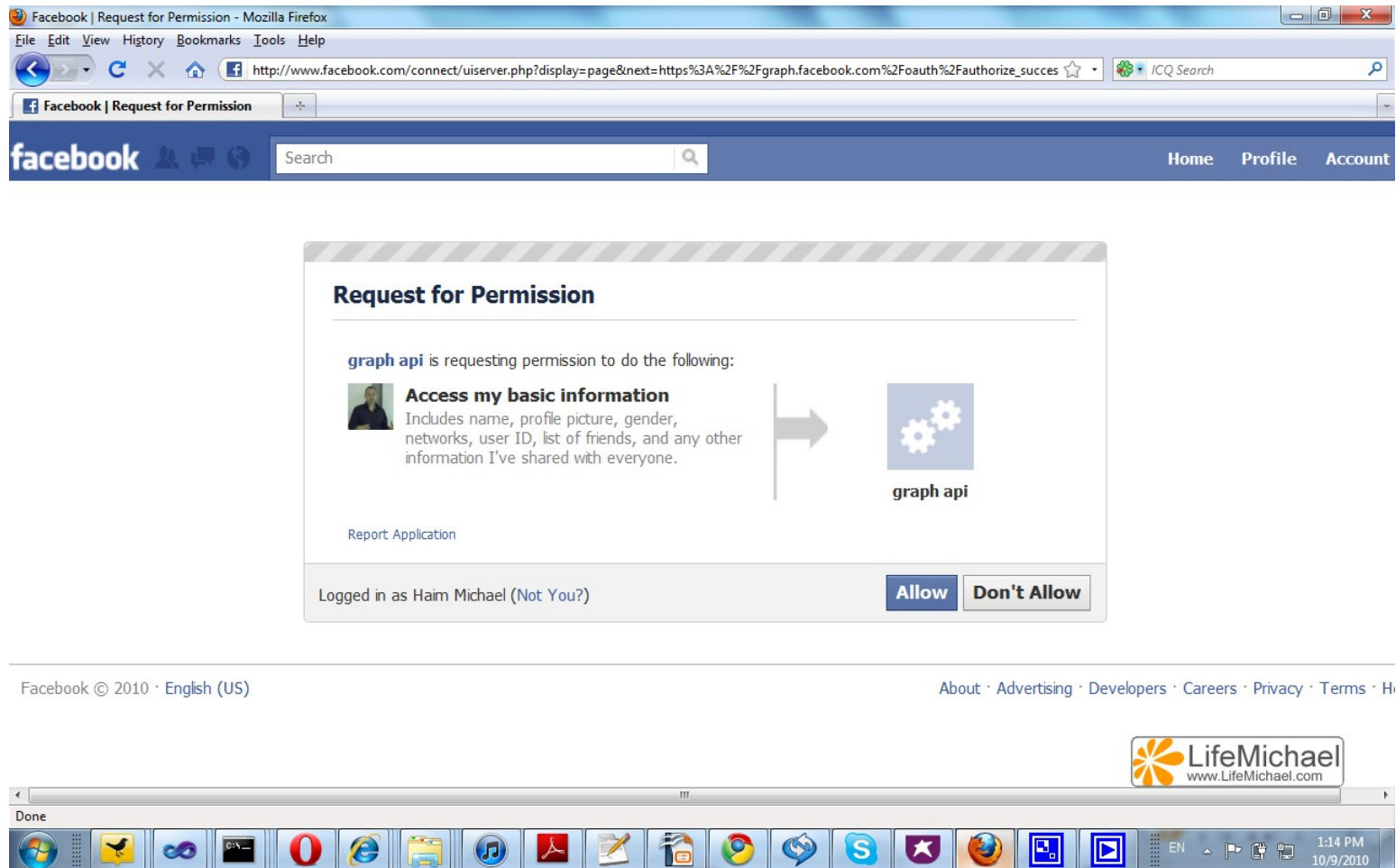
# Sample

```
<?php
$fbcode = $_GET['code'];
echo 'you were successfully authenticated.. the facebook authentication'.
'code we received is ' . $fbcode;
?>
```

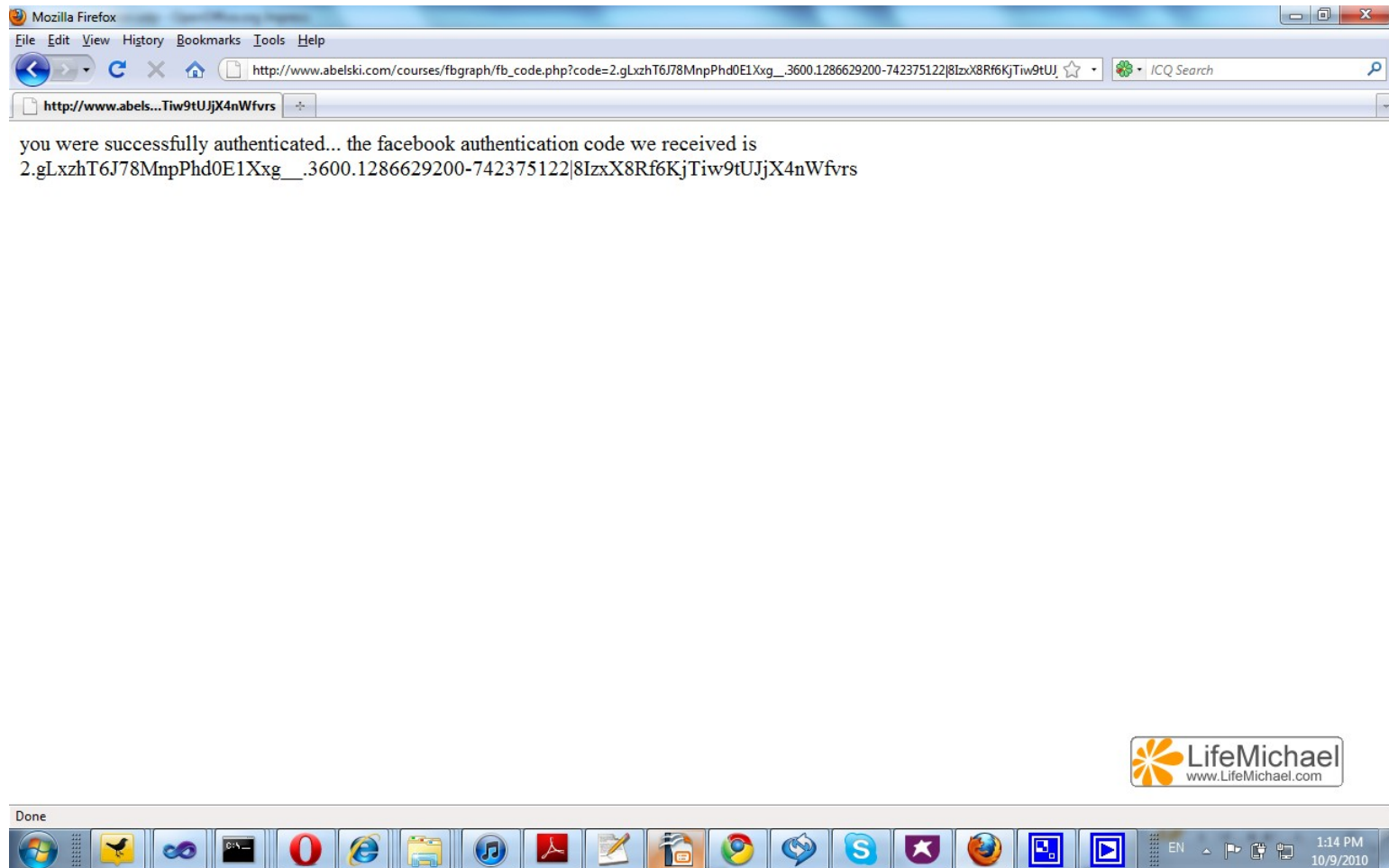
fb\_code.php



# Sample



# Sample



# Getting OAuth 2.0 Token

- ❖ Once we receive the facebook authentication code we can use it for getting the token.
- ❖ In order to get the token we should use the following URL pattern, passing over the exact authentication code that was received:

`https://graph.facebook.com/oauth/access_token?`

`client_id=___&redirect_uri=___&client_secret=___&code=___`

Application ID

URL of Our Application

Application Secret

Authentication Code

# Getting OAuth 2.0 Token

- ❖ Once the token is received we can use it for querying the facebook graph.

# Sample

```
https://graph.facebook.com/oauth/authorize?  
client_id=120753914650292&redirect_uri=http://www.abelski.com/courses/  
fbgraph/token_demo.php
```

Browsing This URL Address, The Facebook Platform Will Redirect Us To  
The token\_demo.php PHP File On Our Server

[Click Here](#)

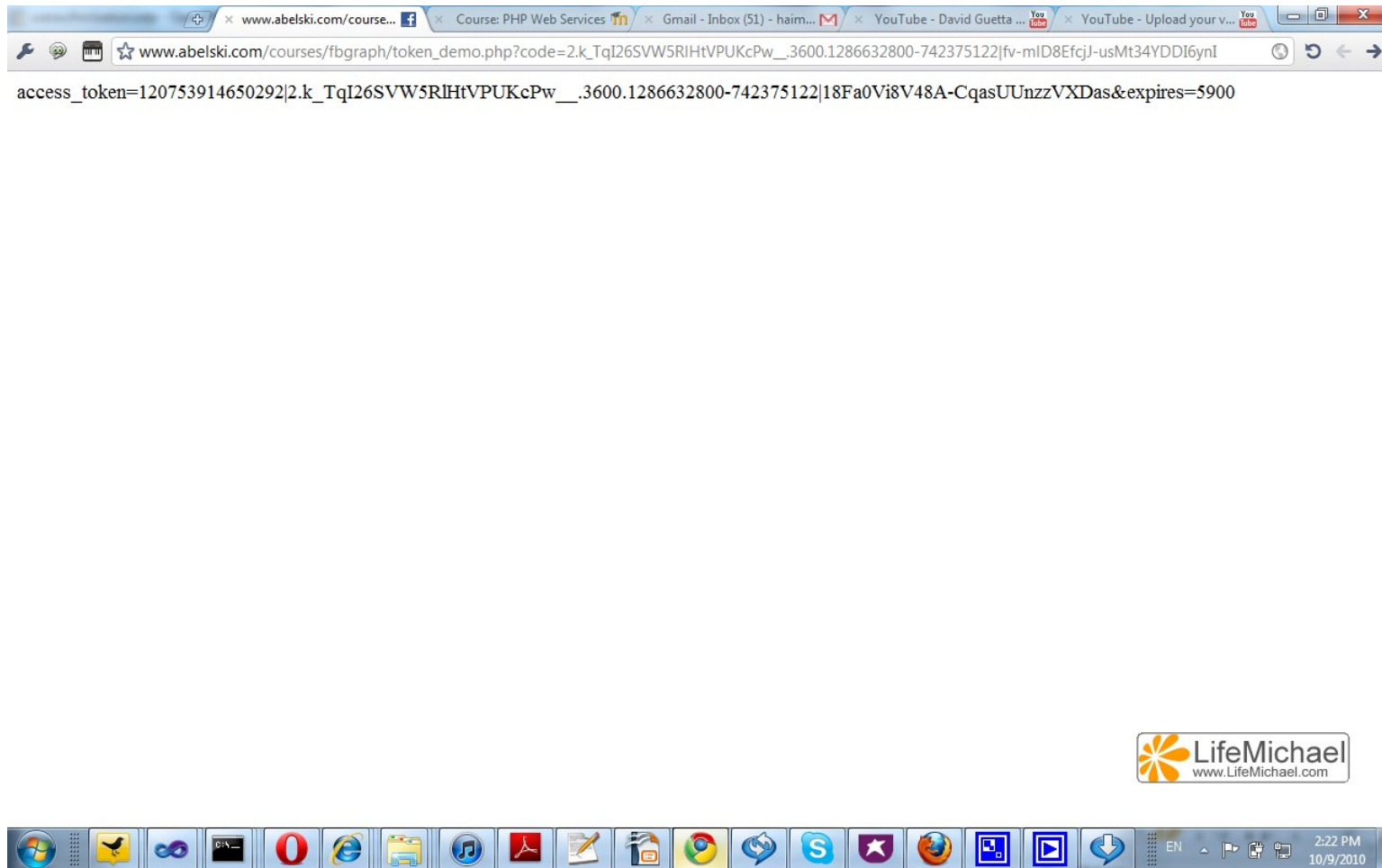


# Sample

```
<?php
$fb_code = $_GET['code'];
$fb_token =
@file_get_contents('https://graph.facebook.com/oauth/access_token?
client_id=120753914650292&redirect_uri=http://www.abelski.com/courses/
fbgraph/token_demo.php&client_secret=_____&code='.$fb_code);
echo 'token is:'.$fb_token;
?>
```

This is The `token_demo.php` File On Our Server

# Sample



# User Authorization



## Introduction

- ❖ The facebook platform uses OAuth 2.0 for authentication and authorization. OAuth 2.0 is a simpler version of OAuth version 1.0.
- ❖ When using OAuth 2.0 with facebook we should first get a token back from the facebook platform, and then we will be able to use it in each and every request (that requires OAuth 2.0 authentication) to the facebook platform.

`https://graph.facebook.com/220439?access_token=___`

## Getting OAuth 2.0 Authentication Code

- ❖ The first step is to register your application and get the app ID (`Application ID`) and the secret ID (`Application Secret`) numbers.
- ❖ The `Application ID` is also known as the `client_id`.
- ❖ The `Application Secret` is also known as the `client_secret`.

## Getting OAuth 2.0 Authentication Code



10/09/10

© Haim Michael. All Rights Reserved.

4

## Getting OAuth 2.0 Authentication Code

- ❖ The second step is to redirect the user to the following URL  
`https://graph.facebook.com/oauth/authorize`  
together with the `client_id` and the `redirect_uri`.
- ❖ The `redirect_uri` parameter should start with the URL of your application. If, for instance, the URL of your application is `http://samples.abelski.com` then your redirect URI can be `https://samples.abelski.com/fb/try.php`.

## Getting OAuth 2.0 Authentication Code

- ❖ The facebook platform will redirect the request back to the URL specified using `redirect_uri` appended with a query string that includes the parameter `code`.
- ❖ The value of the parameter `code` is the facebook authentication code we can now use in our application.

## Sample

- ❖ Trying to browse at the following URL address the facebook platform will generate an authentication code and redirect our request to the `redirect_uri` URL address, appended with a query string that includes the `code` parameter. The value of `code` is the facebook authentication code for our request.

```
https://graph.facebook.com/oauth/authorize?  
client_id=120753914650292&redirect_uri=http://www.abelski.com  
/courses/fbgraph/fb_code.php
```

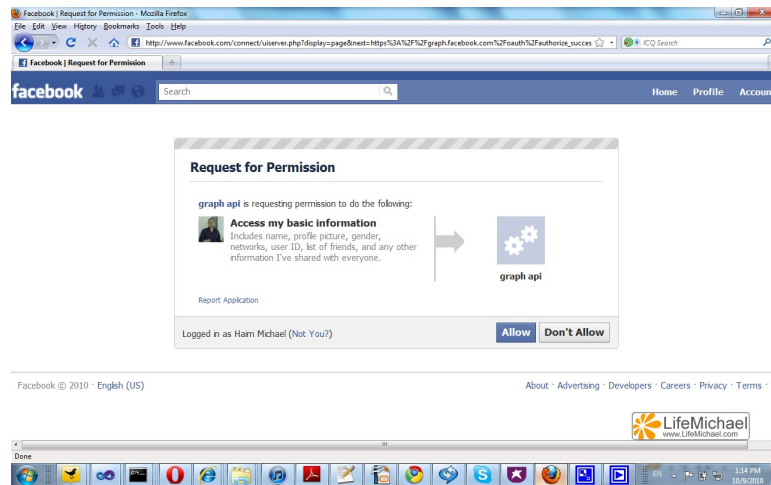
[Click Here](#)

## Sample

```
<?php
$fbcode = $_GET['code'];
echo 'you were successfully authenticated.. the facebook authentication'.
'code we received is ' . $fbcode;
?>
```

fb\_code.php

# Sample



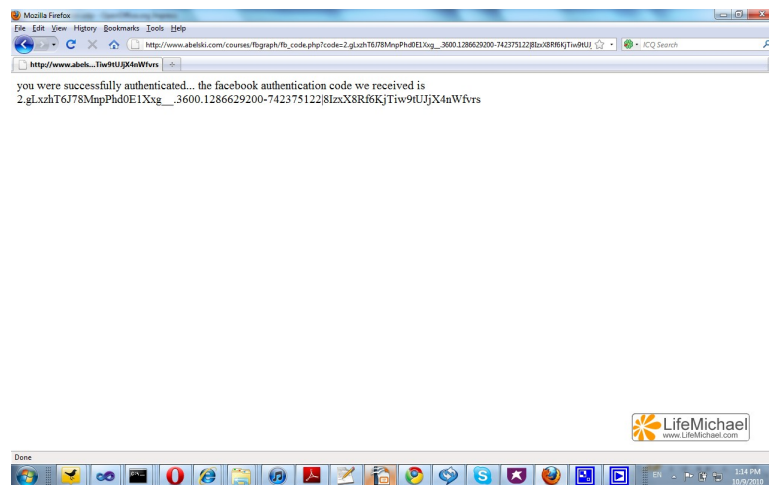
10/09/10

© Haim Michael. All Rights Reserved.

9



# Sample



## Getting OAuth 2.0 Token

- ❖ Once we receive the facebook authentication code we can use it for getting the token.
- ❖ In order to get the token we should use the following URL pattern, passing over the exact authentication code that was received:

`https://graph.facebook.com/oauth/access_token?`

`client_id=___&redirect_uri=___&client_secret=___&code=___`

Application ID

URL of Our Application

Application Secret

Authentication Code

## Getting OAuth 2.0 Token

- ❖ Once the token is received we can use it for querying the facebook graph.

## Sample

```
https://graph.facebook.com/oauth/authorize?  
client_id=120753914650292&redirect_uri=http://www.abelski.com/courses/  
fbgraph/token_demo.php
```

Browsing This URL Address, The Facebook Platform Will Redirect Us To  
The token\_demo.php PHP File On Our Server

[Click Here](#)



## Sample

```
<?php
$fb_code = $_GET['code'];
$fb_token =
@file_get_contents('https://graph.facebook.com/oauth/access_token?
client_id=120753914650292&redirect_uri=http://www.abelski.com/courses/
fbgraph/token_demo.php&client_secret=_____&code='.$fb_code);
echo 'token is:'.$fb_token;
?>
```

This is The token\_demo.php File On Our Server

# Sample

