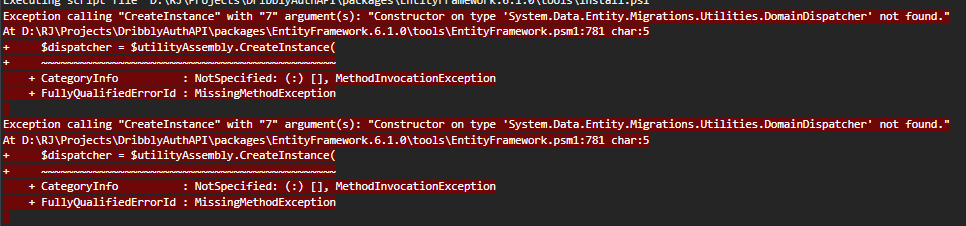
Follow <http://bitoftech.net/2014/06/01/token-based-authentication-asp-net-web-api-2-owin-asp-net-identity/> until Step 5.

Enable Migrations by running the ff command in the Package Manager Console:

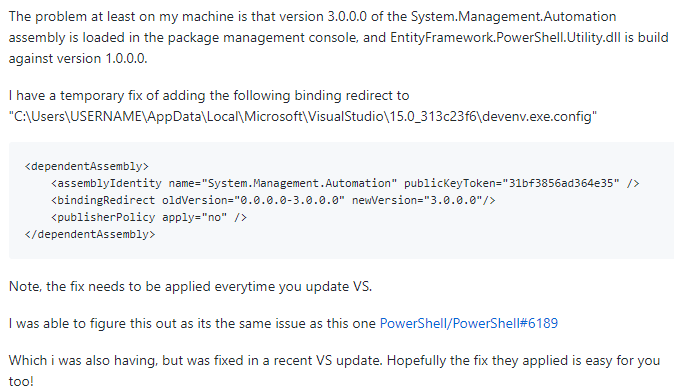
*Enable-Migrations*

Error encountered when installing EF and enabling migration:



Solutions to try:

* Clean and Rebuild project
* Add a binding redirect (Note: The path to devenv.exe.config depends on the version of Visual Studio you’re using)

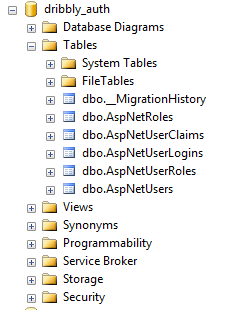


* [Resetting Windows](https://support.microsoft.com/en-us/help/4026528/windows-10-reset-or-reinstall) and then Reinstalling Visual Studio

Then Create the initial migrations using the ff command:

*Add-Migration InitialCreate*

Run “update-database” to create the database and initial tables



Proceed with the remaining steps, skipping step 8

## SimpleAuthorizationServerProvider.cs

Methods:

* **ValidateClientAuthentication** – Responsible for validating the client
* **GrantResourceOwnerCredentials** – Responsible for validating login credentials and auth token generation. Here you can add additional data to the token. The path for authentication is set in this method.

## Authentication Notes

* When a user registers, only AspNetUsers table is populated
* The token generated during login is not saved in the database. Information like username, expiration, etc. is stored in the (encrypted) token

## Refresh Tokens implementation

Reference: <https://bitoftech.net/2014/07/16/enable-oauth-refresh-tokens-angularjs-app-using-asp-net-web-api-2-owin/>

Helper method:

using System;

using System.Security.Cryptography;

namespace DribblyAuthAPI

{

public class Helper

{

public static string GetHash(string input)

{

HashAlgorithm hashAlgorithm = new SHA256CryptoServiceProvider();

byte[] byteValue = System.Text.Encoding.UTF8.GetBytes(input);

byte[] byteHash = hashAlgorithm.ComputeHash(byteValue);

return Convert.ToBase64String(byteHash);

}

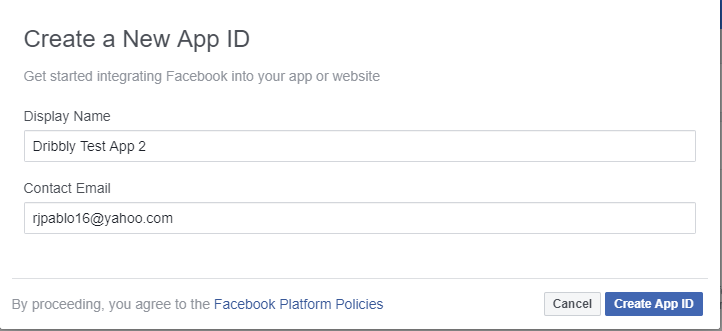
}

}

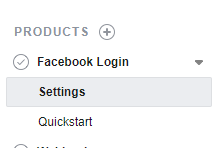
## External Logins

### Facebook

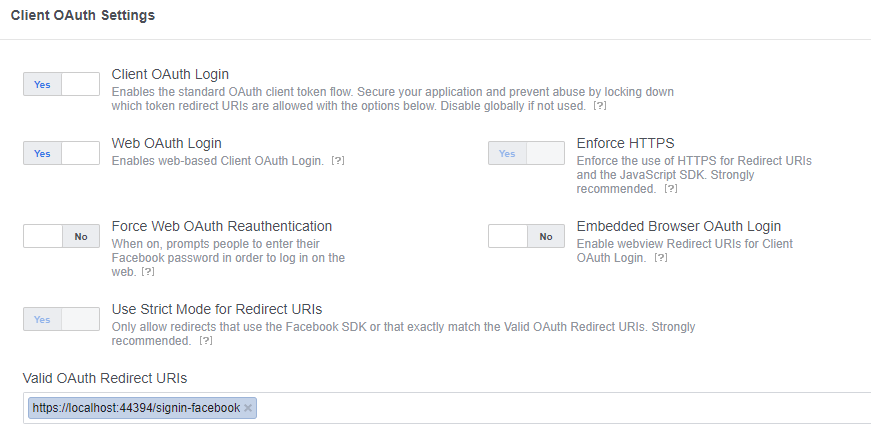
* Go to [https://developers.facebook.com](https://developers.facebook.com/) and create an app



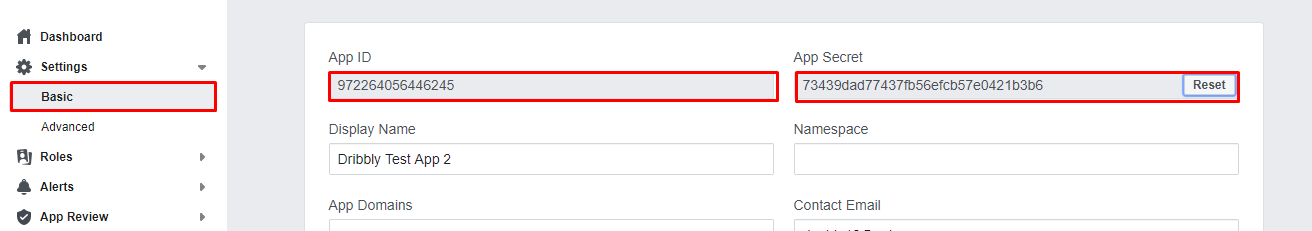
* Go to Products > Facebook Login > Settings



* Set the fields as follows



* Save Changes
* Go To Settings > Basic then take note of the App ID and App Secret



AppID: 972264056446245

App Secret: 73439dad77437fb56efcb57e0421b3b6

App Token: 972264056446245|bFXvMGAgC53LTyANiFxdMCI-\_w0

## Publishing

### Test Server (somee.com)

|  |  |
| --- | --- |
| Email Address used | Rjpablo16@yahoo.com |
| Credentials | rjpablo112/encrypt(somee) |
| Site name | [http://dribbly001.somee.com](http://dribbly001.somee.com/); [http://www.dribbly001.somee.com](http://www.dribbly001.somee.com/); |
| FTP Addresses | [ftp://dribbly001.somee.com](ftp://rjpablo112@dribbly001.somee.com/); [ftp://www.dribbly001.somee.com](ftp://rjpablo112@www.dribbly001.somee.com/); |
| IP Address | **66.85.73.158** |

To publish to this server, publish the application to a folder and then upload the files to the root of the server.

## Commit Guide

## Branches

|  |  |  |
| --- | --- | --- |
| **Branch Name** | **Purpose** |  |
| release | This is where we store code that’s ready for deployment |  |
| staging | This where we push code from development branches. This branch then gets pushed to the release branch. |  |
| development branches | These are branches created off staging branch. There are branches directly which we do our coding.  Naming convention:  [tasktype]/[task ID]-[short description] |  |

## Tasks

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Description** | **Branch** | **Updates** |
| API-0001 | Implement Facebook authentication | feature/api-0001-implement-facebook-authentication | 08-14  Committed  10/08  Merged to **staging** branch |
| API-0002 | Implement RefreshTokens in Web API | feature/api-0002-implement-web-refresh-tokens | 10/08  Committed. Merged to **staging** branch |
| API-0003 | Add RefreshTokensController | feature/api-0003-add-refreshtokenscontroller | 10/13  Done. Merged to **staging** branch. |
| API-004 | Logout user from server when logging out of the client app |  | Not Started |
| API-005 | Use POST request when sending Register External request to prevent access token from getting stored in the browser history |  | Not Started |
| API-006 | House Keeping:   * Remove test api method from Account Controller |  | Not Started |
| API-007 | Enforce redirect URL validation for FB login |  | Not Started |
| API-008 | Display list of courts |  |  |

## References:

Migrations (<https://docs.microsoft.com/en-us/ef/ef6/modeling/code-first/migrations/>)