

CODESTASH

HELP

TABLE OF CONTENTS

| | | |
|-------|------------------------------------------|----|
| 1. | Introduction | 3 |
| 2. | The Web Site | 3 |
| 2.1 | Logging In | 3 |
| 2.1.1 | Registering | 3 |
| 2.1.2 | Using Open Id | 5 |
| 2.2 | Setting Up A Team | 8 |
| 2.2.1 | Create A New Team Or Pick Existing | 8 |
| 2.2.2 | Pick Your Team Members | 9 |
| 2.2.3 | Viewing/Deleting Team Members | 10 |
| 2.3 | Manage Your Personal Settings..... | 11 |
| 2.4 | Search For Snippets..... | 12 |
| 2.5 | Adding Code Snippets | 14 |
| 2.6 | Open From Web | 15 |
| 2.7 | Working With The TagCloud..... | 16 |
| 2.8 | Viewing Snippets | 16 |
| 2.9 | Editing Snippets | 18 |
| 2.10 | Deleting Snippets..... | 18 |
| 2.11 | Sharing Snippet Links..... | 20 |
| 3. | The VS2010 Addin..... | 21 |
| 3.1 | Settings..... | 21 |
| 3.2 | | 21 |
| 3.3 | Adding A Snippet From Visual Studio..... | 22 |
| 3.4 | Adding A Snippet To Visual Studio | 23 |

1. Introduction

This document talks you through all the different aspects of how to use CodeStash.co.uk and also discusses how to use the Addin that works with the web site

2. The Web Site

This section will discuss how to use all the different parts of the CodeStash.co.uk web site.

2.1 Logging In

There are currently 2 ways in which you may login to CodeStash.co.uk, these are via

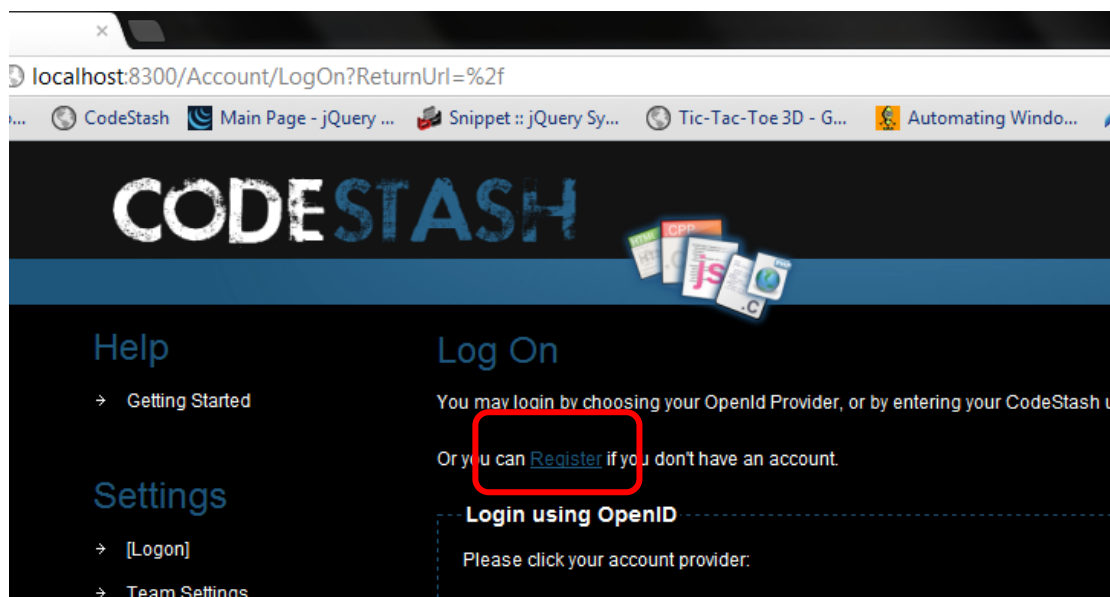
- Using an OpenId login
- Registered as a new CodeStash user, where you supply a set of credentials that you wish to use to login to CodeStash.co.uk

Both of these options are discussed below. It should be noted that **it is up to you** to decide which of these methods you want to use.

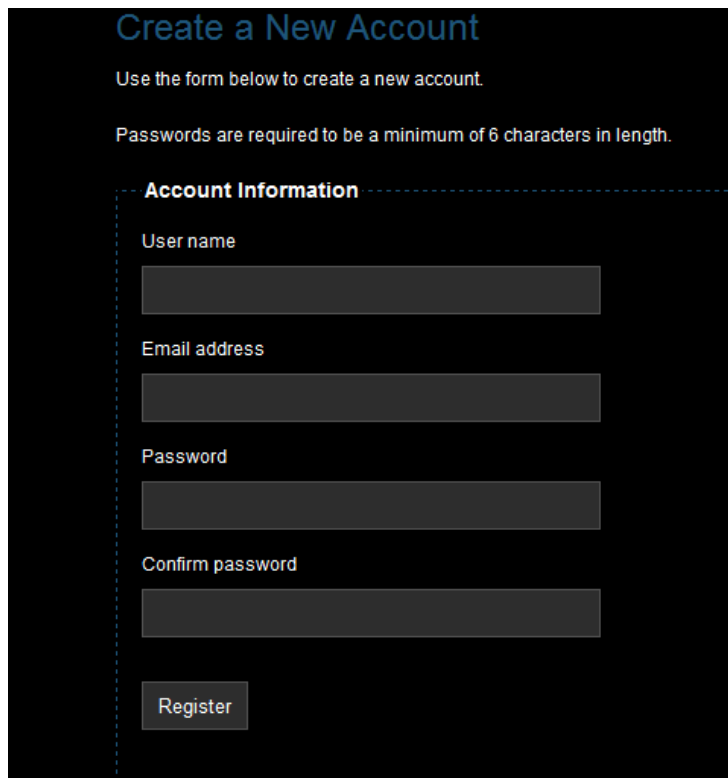
2.1.1 Registering

Registering a new user is perhaps the most familiar method of login/authentication, as it is really just about asking you to supply a username/email/password combination, which you will use from now on.

The registering of a new CodeStash.co.uk user is done by using the “Register” link on the home page as shown below.



Assuming you have clicked that link, you will be presented with a form that you simply need to fill out and then click on the “Register button”. You will need to remember your username and password though, as the Addin which we discuss later **WILL NEED** them.



Create a New Account

Use the form below to create a new account.

Passwords are required to be a minimum of 6 characters in length.

Account Information

User name

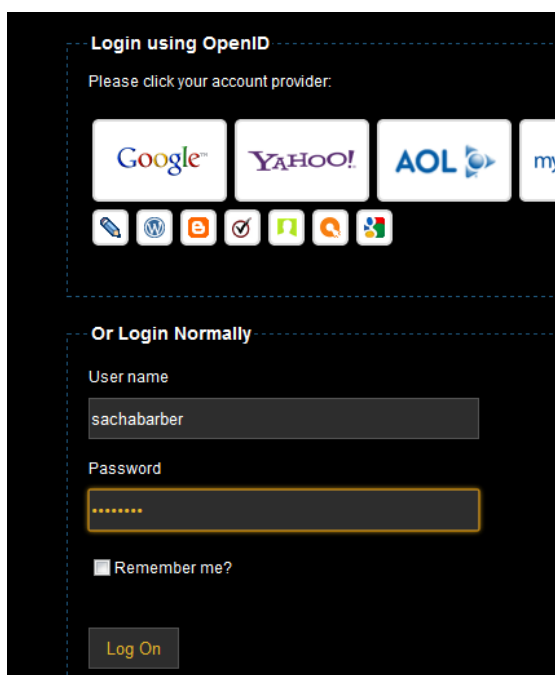
Email address

Password

Confirm password

Register

After you have successfully registered as a new CodeStash.co.uk user using this method, you will be able to login by providing your username/password on the Login screen as shown below.



Login using OpenID

Please click your account provider:

Google YAHOO! AOL my

Or Login Normally

User name

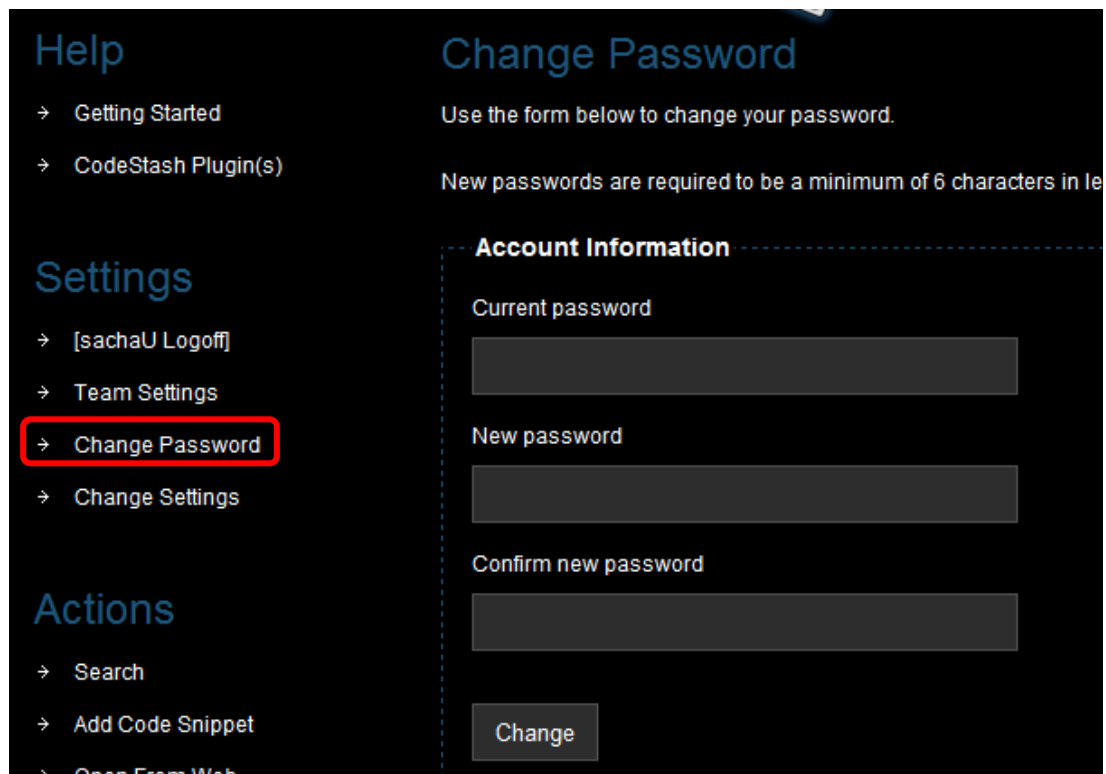
sachabarber

Password

Remember me?

Log On

If you login using the registered user route (i.e. not the OpenId login) you can also change your password should you want to. This is achieved using the “Change Password” link as shown below




The screenshot shows the CodeStash user interface. On the left, there is a sidebar with sections: 'Help' (containing links to 'Getting Started' and 'CodeStash Plugin(s)'), 'Settings' (containing links to '[sachaU Logoff]', 'Team Settings', 'Change Password' (highlighted with a red box), and 'Change Settings'), and 'Actions' (containing links to 'Search', 'Add Code Snippet', and 'Open From Web'). The main content area is titled 'Change Password' and contains the instruction 'Use the form below to change your password.' and a note 'New passwords are required to be a minimum of 6 characters in length'. Below this is a form titled 'Account Information' with three input fields: 'Current password', 'New password', and 'Confirm new password'. A 'Change' button is located at the bottom right of the form.

2.1.2 Using Open Id

The other way that you may gain access into CodeStash.co.uk is via the user of an OpenId provider such as Yahoo, that you may already have an account with. Let's assume you have a Yahoo account, we could then choose to login using Yahoo, who will provide the actual login screen.

Step 1 : We click the relevant OpenId provider



The screenshot shows the CodeStash login page. At the top, the 'STASH' logo is displayed. Below it, the text 'Log On' is shown, followed by the instruction 'You may login by choosing your OpenId Provider, or by entering your Code' and a link to 'Register' if you don't have an account. The section 'Login using OpenID' is highlighted with a dashed box. Inside this section, the text 'Please click your account provider:' is followed by a row of buttons for different OpenId providers: Google, Yahoo (highlighted with a yellow box and a tooltip that says 'log in with Yahoo'), AOL, and myS. Below these buttons is a row of smaller icons for various social media and services.

This will redirect us to the OpenId (Yahoo in this case) OpenId authentication page, where you can enter your normal credentials for that OpenId provider. It should be noted that this should only happen if your user credentials are needed again. CodeStash.co.uk uses Forms Authentication so there is a Cookie that lives for X amount of time, so after period X you may need to enter your OpenId provider authentication credentials again.

Step 2 : Login using OpenId provider's authentication process

www.codestash.co.uk

Sign in to
www.codestash.co.uk with your
Yahoo! ID

Sign in to Yahoo!

Are you protected?
Create your sign-in seal.
(Why?)

Yahoo! ID
sachabarberhome@yahoo.co.uk
(e.g. free2rhyme@yahoo.com)

Password:
.....

☐ Keep me signed in
(Uncheck if on a shared computer)

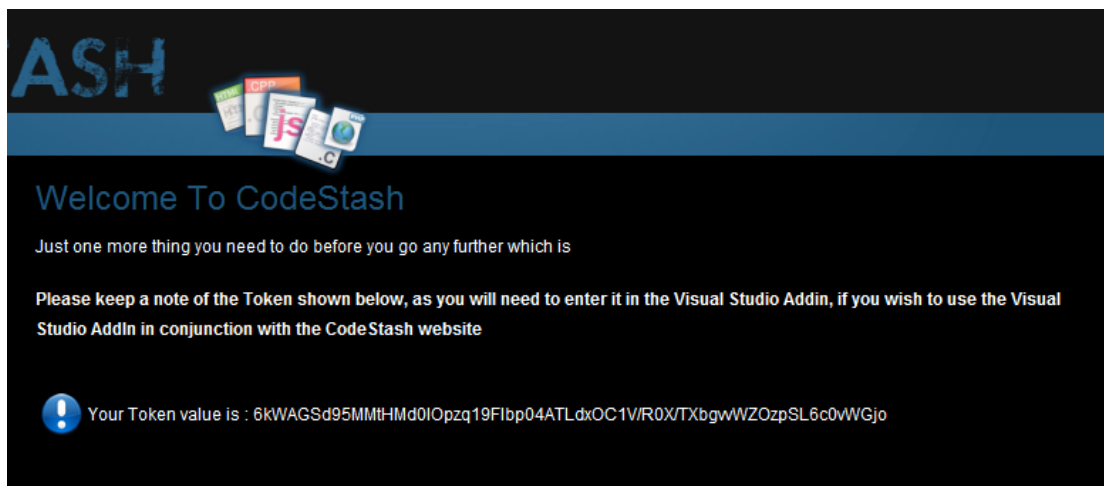
Sign In

[I can't access my account](#)

Copyright © 2012 Yahoo! Inc. All rights reserved.
[Copyright/IP Policy](#) | [Terms of Service](#) | [Guide to Online Security](#) | [Privacy Policy](#)

So now that you are at the OpenId (Yahoo in this case) authentication page, you simply enter your normal credentials for that OpenId provider. Which for Yahoo would be your email and password. When that is successful you will be redirected to the CodeStash.co.uk home page, where a CodeStash.co.uk specific token will be presented, which YOU MUST write down or keep safe.

Step 3 : Write down the OpenId token



When you have successfully logged in using OpenId for the 1st time you will need to write down the token that is presented to you. This is VERY important, as it is your only chance to keep a copy of this token, which you will need, as the Addin which we discuss later **WILL NEED** them.

2.2 Setting Up A Team

This is an optional thing and does not stop you from using ANY of the other features on CodeStash.co.uk at all.

The reasons why you would bother to set up a team is that you may want to only view snippets that someone in your team created. As such when you are searching for snippets one of the options you have when searching is by “My Team”

So that is why you might create a team.

So what is involved in creating a team in the first place? Who owns the team? Can anyone edit the team?

These are all good questions, the answers to some of these are simple, the first user to create a team is the co-ordinator (owner) of that team, only they can edit the members of a team.

So how do you create a team, well that boils down to a couple of steps

2.2.1 Create A New Team Or Pick Existing

There is an area of the “Team Settings” page which allows you to type a new team name in or pick an existing team of which you are the co-ordinator (owner). This is shown below

Just follow the steps below

Step 1 : Create New Team, Or Pick Existing Team

Create A New Team

Create Team

Existing Teams You Are Co-Ordinator Of

team GRRRR ▼

This should be pretty clear, if you type something in the “Create A New Team” textbox and click the “Create Team” button, a new team will be created of which the currently logged in user (you) will become the co-ordinator (owner) of. This new team will then appear in the drop down list of existing teams of which you are the co-ordinator (owner).

The currently selected teams from the drop down list, is the team you will be working with.

2.2.2 Pick Your Team Members

Now that you have picked a team to work with from the drop down list in step 1 (or created a new team), you now need to pick who should be in this team.

There are effectively 2 parts to this, you would search for users to add to the team by filling in the “Search For Users To Add To Team” textbox and the checkbox that dictates whether that user was logged in via OpenId.

If you do not click the checkbox you may find that there will be multiple results returned as they may have registered that email address and also used the OpenId login functionality, which could use the same email as the.

Step 2 : Pick Your Team Members, And Assign To Selected Team

Search For User To Add To Selected Team

sacha.barber@gmail.com

Search For Users

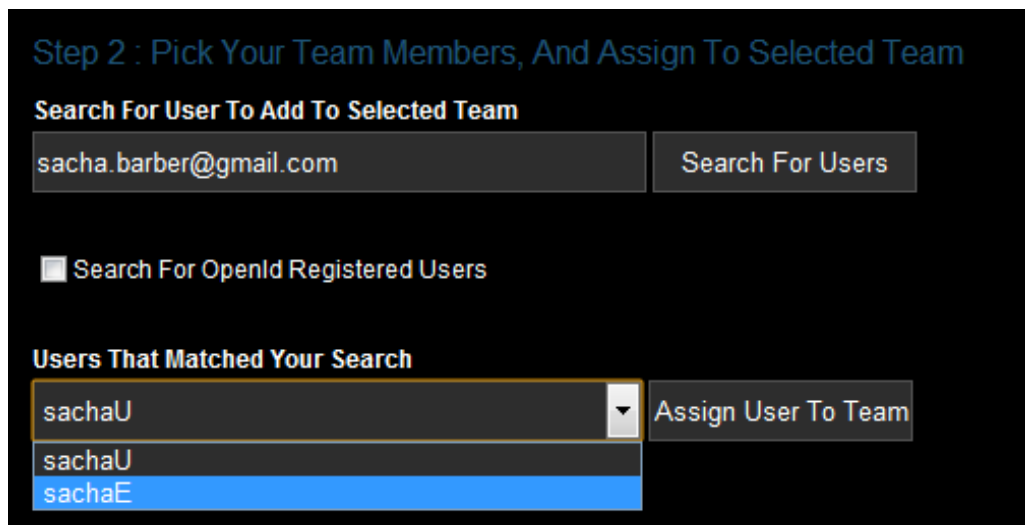
☐ Search For OpenId Registered Users

Users That Matched Your Search

sachaU ▼

Assign User To Team

So once you have entered the email address for the user you want to add to the selected team, and clicked the “Search For Users” button, the “Users that Matched Your Search” drop down list will be populated



Step 2 : Pick Your Team Members, And Assign To Selected Team

Search For User To Add To Selected Team

sacha.barber@gmail.com **Search For Users**

☐ Search For OpenId Registered Users

Users That Matched Your Search

sachaU **Assign User To Team**

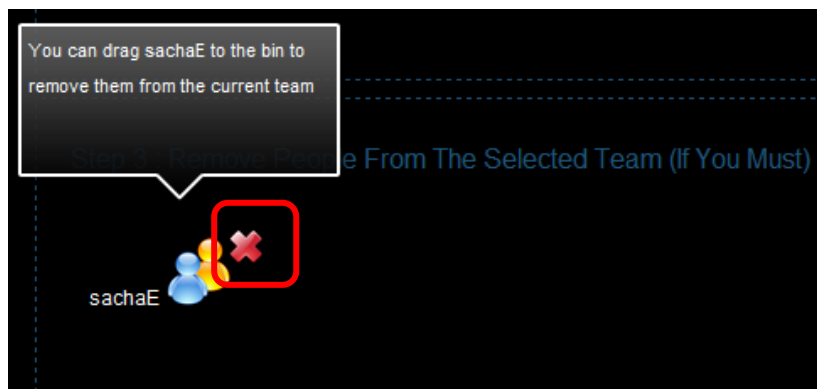
sachaU

sachaE

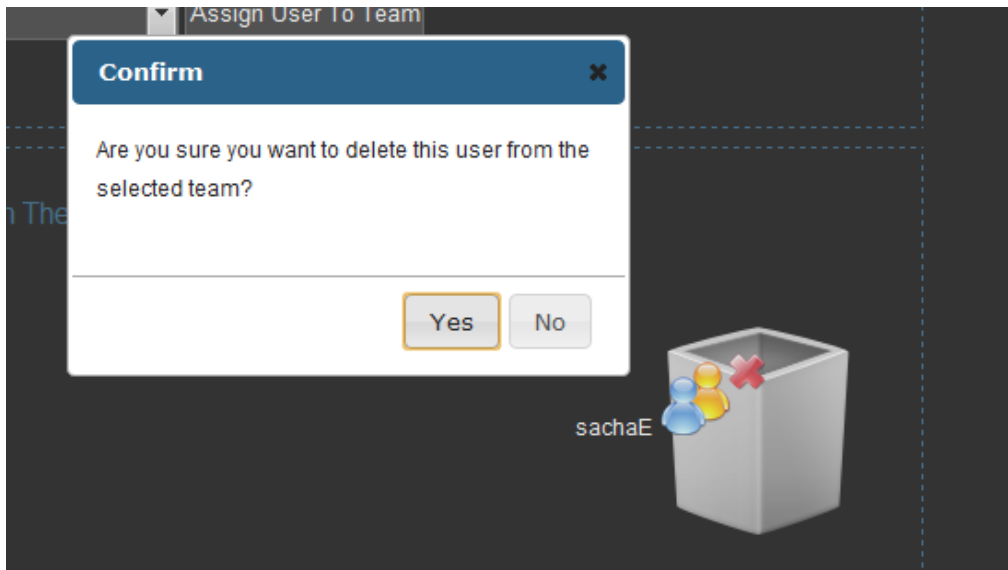
So you would typically select one of these users, and then click the “Assign User To Team” button, which would assign the user to the team.

2.2.3 Viewing/Deleting Team Members

Team member that are part of the selected team (the ones you added) are shown as icons. You can delete these either by dragging them to the trash can, or by clicking the red cross on each icon.



Or you may drag the team user to the trash can, at which point you will be asked to confirm the delete

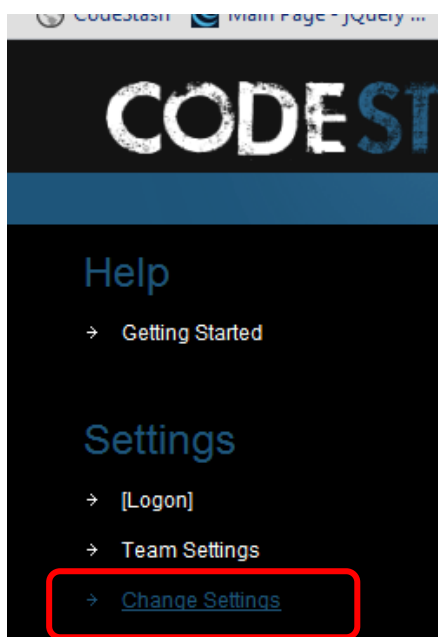


2.3 Manage Your Personal Settings

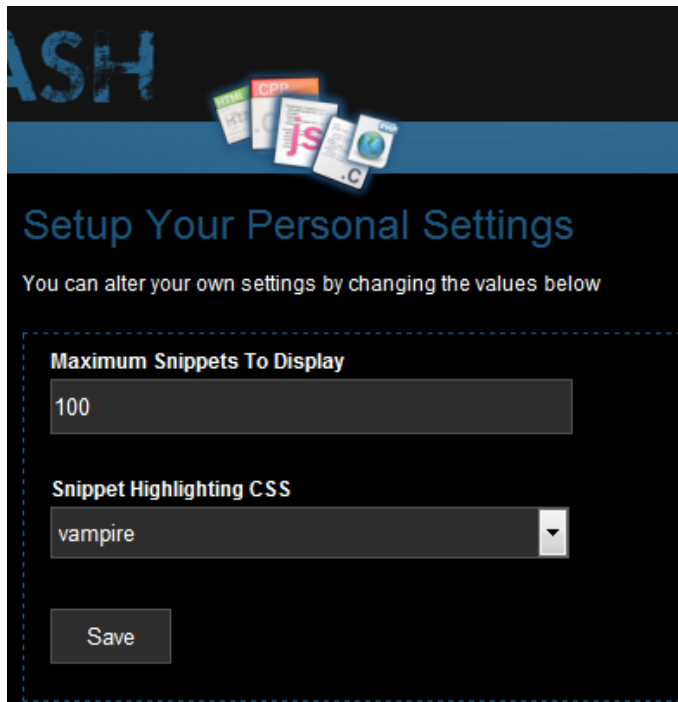
CodeStash.co.uk is obviously about displaying snippets, as such there are certain code snippets settings that a CodeStash.co.uk user may want tailor for their own needs. CodeStash.co.uk currently allows a user to change the following aspects, which will get used by the CodeStash.co.uk web site

- Maximum snippets to display (effectively truncation limit, such that there are never unbounded datasets returned)
- The snippet highlighting to use. This affects how the snippets are displayed and what colours they are displayed in. For example I prefer dark contrast, but that may not be for everyone. As such there are numerous different snippet highlighting that are available to choose from

You can configure your settings by using the “Change Settings” link as shown below.



Once you click this link, you will be presented with the User Settings page as shown below where you can set your specific CodeStash.co.uk settings



ASH

Setup Your Personal Settings

You can alter your own settings by changing the values below

Maximum Snippets To Display

100

Snippet Highlighting CSS

vampire

Save

2.4 Search For Snippets

Searching for code snippets is something you are likely to do a lot. This all starts with using the “Start” link which will take you to the “Search” page, which allows you to enter your search

☐ ByTag
 ☒ ByKeyWord
 ☐ ByLanguage

Tag

Key Word

Language

Rating
☒ Include Rating
 Where you would like to see snippets with a rating of at least

Visibility

Once you have filled in your search, simply click the “Search” button, and you will be presented with the results (possibly after a short wait)

Showing Search Results

Your search was

- Visibility : 'JustMe'
- Search Type : 'ByTag', where your search term was : 'tag1'

| Id | Description | Title | Popup | Show |
|-----|--------------------------------------------|--------------------------------------------|----------------|----------------|
| 208 | A test codeSnippet using existing Category | A test codeSnippet using existing Category | → View Details | → View Details |
| 215 | desc | title | → View Details | → View Details |

Displaying items 1 - 2 of 2

From this grid, you can click 2 hyperlink which perform the following functions

- **Popup** : Show the currently selected in a popup, so you can quickly view it
- **Show** : Will redirect to showing that snippet (and its grouped snippets if any grouping is applied)

2.5 Adding Code Snippets

CodeStash.co.uk is all about storing snippets, as such we obviously need a mechanism to add snippets to it. Luckily this is pretty simple, we just click the Add “CodeSnippet” button and fill in the Add Snippet form.

Add A New Code Snippet

Please fill in the details below, and when ready click the "Add" button at the bottom of the page

Title

Description

Category

Search for existing category

Search

Or fill in new category

Grouping

Search for existing grouping

Search

Or fill in new grouping

Language

C

Code Snippet Visibility

JustMe

Tags

Enter tags seperated by ","

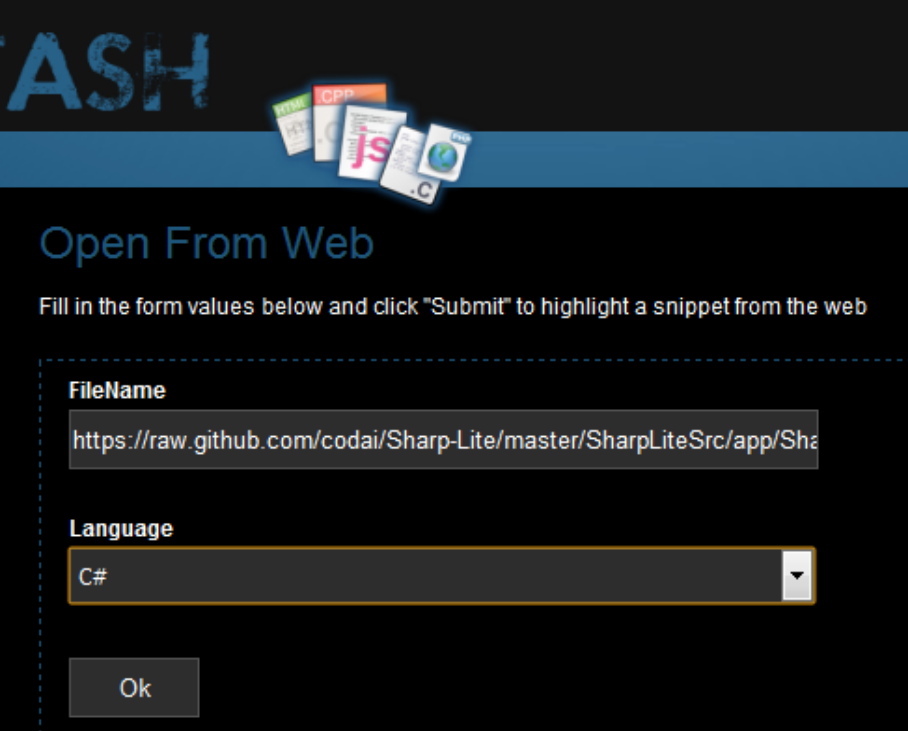
Actual Code

Save

2.6 Open From Web

Occasionally the need may arise where you just want to see a highlighted snippet without going through the pain of uploading. CodeStash.co.uk provides for this, with its “Open from Web” page, where you can simply enter a valid url and pick the snippets language and get a highlighted view of it.

Here is an example of how to open a file from the web, where we simply fill in the details on the form and click the “Ok” button



The screenshot shows the 'Open From Web' interface of CodeStash. At the top, the word 'ASH' is partially visible in a large, stylized font. Below it, there's a blue horizontal bar with a graphic of several overlapping code snippets for different languages: Python, C++, JavaScript, and C. The main heading 'Open From Web' is in a large, light blue font. Below the heading, a instruction reads: 'Fill in the form values below and click "Submit" to highlight a snippet from the web'. The form itself is enclosed in a dashed blue border and contains two fields: 'FileName' with a text input containing the URL 'https://raw.githubusercontent.com/codai/Sharp-Lite/master/SharpLiteSrc/app/Sha...', and 'Language' with a dropdown menu currently set to 'C#'. At the bottom left of the form is an 'Ok' button.

After we click the “Ok” button here is what we would see

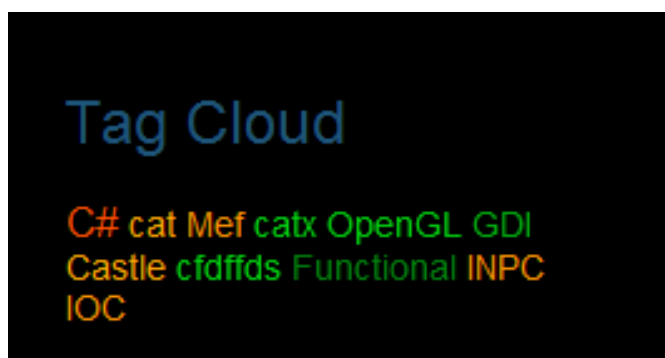
Open From Web

The highlighted web snippet is shown below

```
using System;
using System.Data;
using SharpLite.Domain.DataInterfaces;
namespace SharpLite.EntityFrameworkProvider
{
    public class DbContext : IDbContext
    {
        public DbContext(System.Data.Entity.DbContext dbContext) {
            if (dbContext == null) throw new ArgumentNullException("dbContext may not be null");
            _dbContext = dbContext;
        }
        public virtual IDisposable BeginTransaction() {
            _transaction = _dbContext.Database.Connection.BeginTransaction();
            return _transaction;
        }
        /// <summary>
        /// This isn't specific to any one DAO and flushes everything that has been
        /// changed since the last commit.
    }
}
```

2.7 Working With The TagCloud

Most people will have seen a TagCloud before and will be familiar with how they work, so we won't go into too many details here. Quite simply the TagCloud shows the top 10 categories for snippets (that is the ones with the most snippets stored against them), and the user may click on these tags to view the snippets. It should be noted that there are some truncation limited imposed by CodeStash such that when displaying snippets an unbounded result set will not be allowed. The MAXIMUM number of snippets shown is dictated by your personal user settings.



2.8 Viewing Snippets

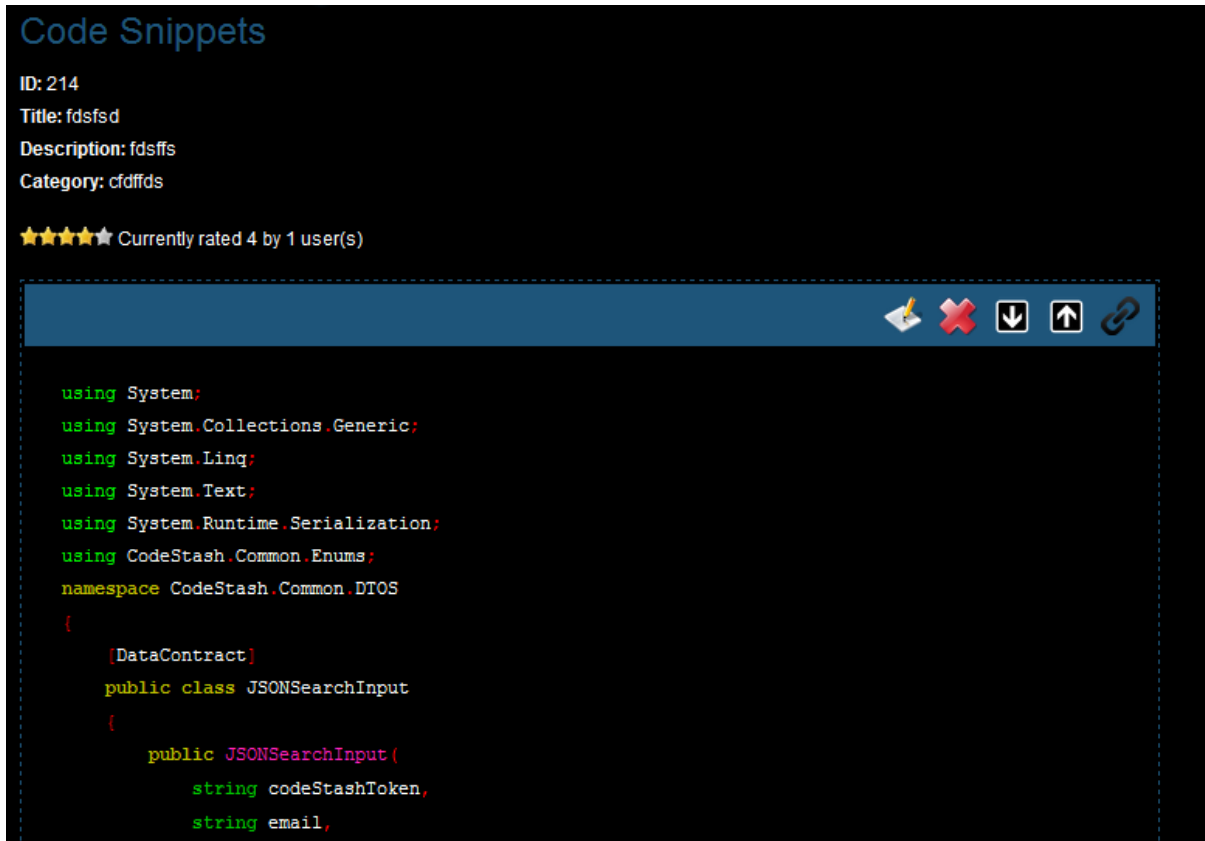
A list of snippets will be displayed when several action occur

- When a new snippet is added (this snippet and any in it grouping (if its grouped) will be shown)

- When an existing snippet is edited (this snippet and any in it grouping (if its grouped) will be shown)
- When one of the Categories from the TagCloud is clicked
- When a search is performed and a single search result is clicked (the selected search result snippet and any in it grouping (if its grouped) will be shown)

As previously stated, there is a MAXIMUM limit of snippets that will be shown which is dictated by your personal User settings.

This is what is shown for displaying snippets

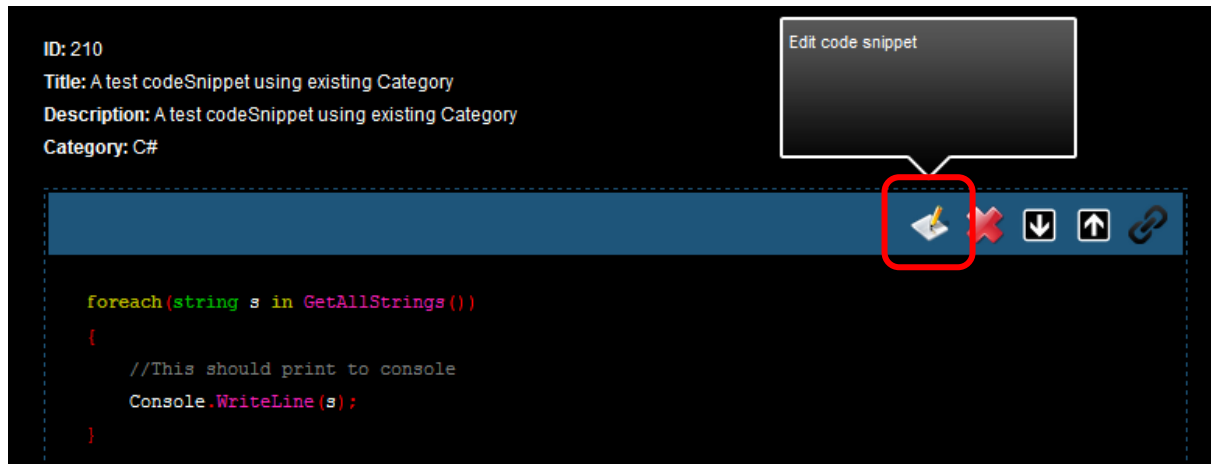


It can be seen that each snippet has some functionality which is accessed via buttons above the snippet. These buttons allow the following actions to be performed

- Edit the snippet (if it is your own snippet)
- Delete the snippet (if it is your snippet)
- Collapse the snippet
- Expand the snippet
- Get a shareable link for the snippet

2.9 Editing Snippets

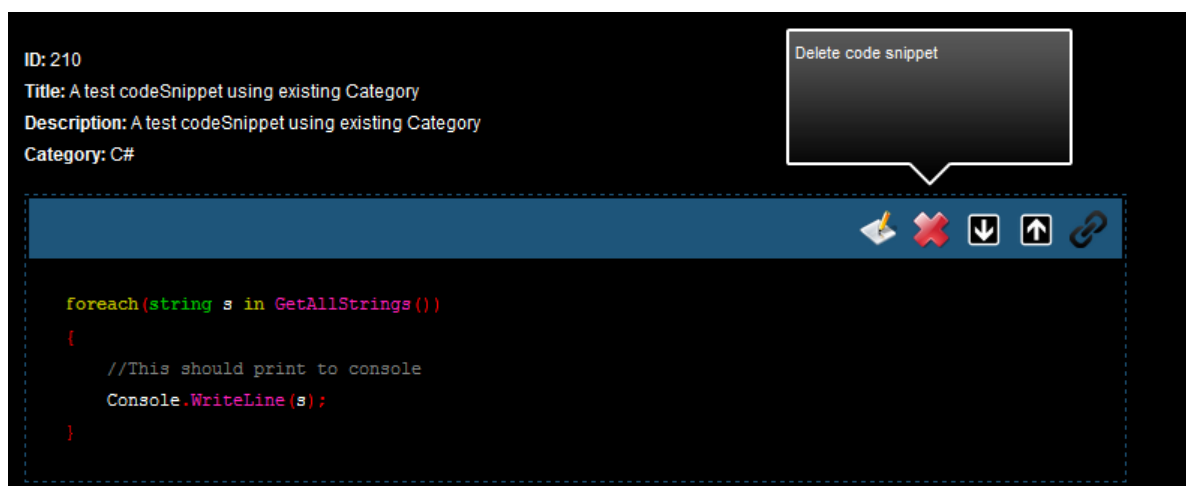
To edit a snippet you simply click on the edit icon which is located in the group of buttons associated with a snippet, which can be seen in the figure below. It should be noted that this button is **ONLY** enabled if the snippet is **owned by you** (yes you are the currently logged in user)



This is very similar to adding a snippet, you simply fill out the form and save it. If you successfully save the snippet it will be re-displayed along with any other snippets in that group (if it is in a group). As before the MAXIMUM snippets user setting applies.

2.10 Deleting Snippets

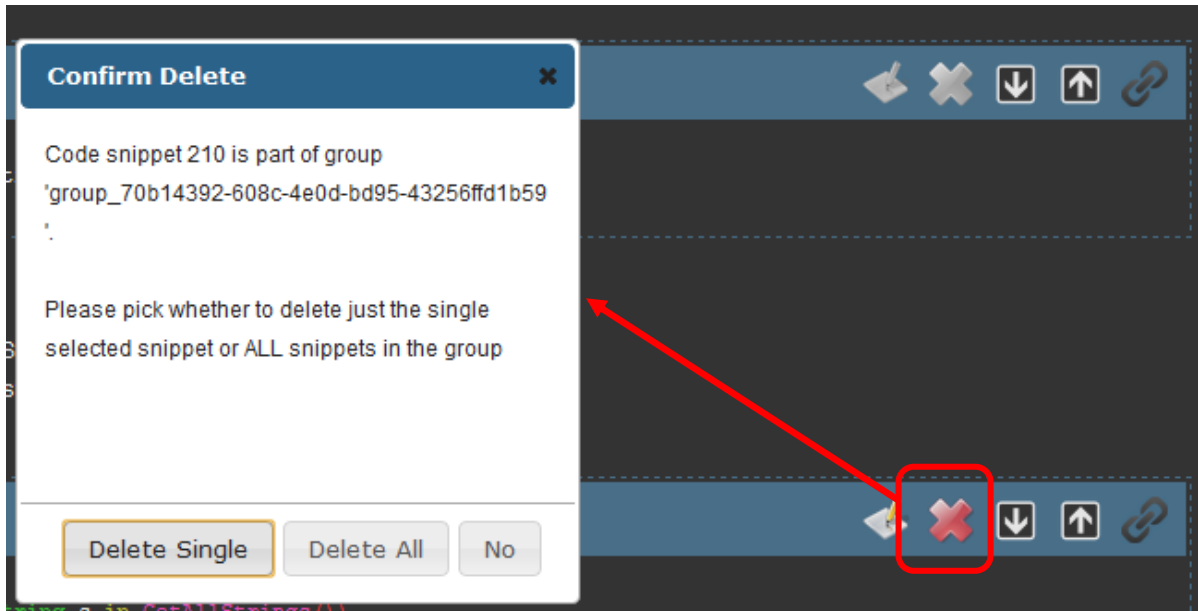
To delete a snippet you simply click on the delete icon which is located in the group of buttons associated with a snippet, which can be seen in the figure below. It should be noted that this button is **ONLY** enabled if the snippet is **owned by you** (yes you are the currently logged in user)



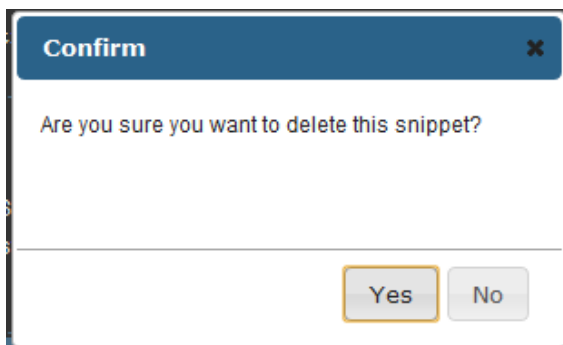
Another thing to note, is that CodeStash.co.uk allows something quite unique, it allows snippets to be grouped together, such that you may have a HTML/JavaScript and say some server side C# snippets all in one grouping. You may be thinking so what. Well when it comes to deleting a snippet that is grouped CodeStash.co.uk gives you the choice whether to delete either

- The current snippet ONLY
- ALL snippets in that group

This decision is achieved using the following dialog box, which is only shown if the selected snippet is part of a group. If the snippet is NOT part of a group a simple YES/NO dialog is shown instead.

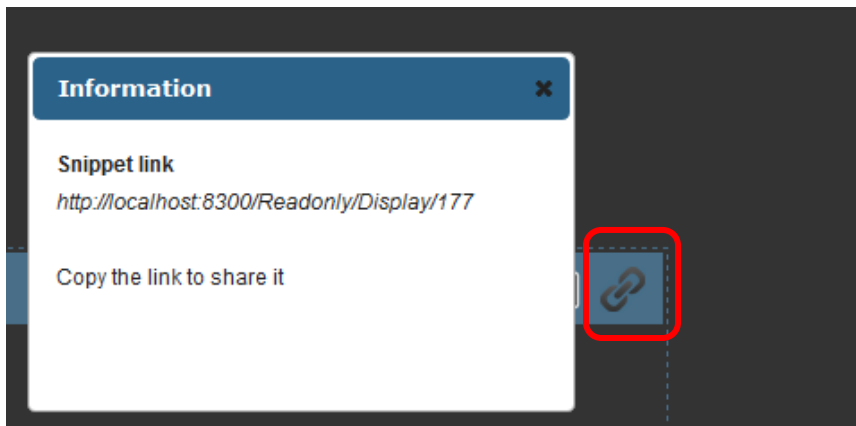


Bearing in mind that if the snippet is not grouped, you will only see a dialog that asks a simple YES/NO rather than the dialog seen above

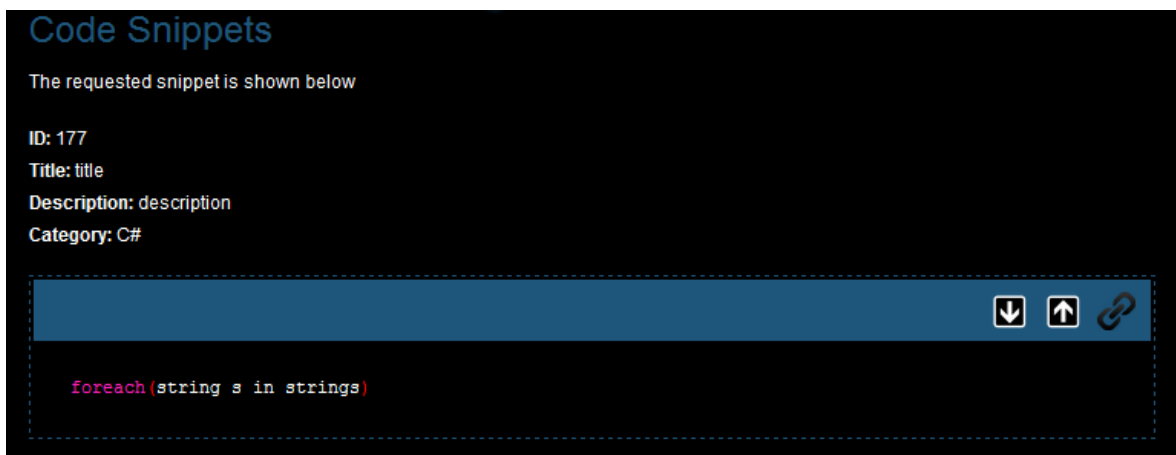


2.11 Sharing Snippet Links

You may wish to share a snippets link with a non registered CodeStash.co.uk user. This is easily achieved by using the Share Link button at the top of one of the displayed snippets



So all you need to do is give this url to someone. They DO NOT need to be registered at CodeStash.co.uk to view this snippet, simply enter the snippet url into a browser and they would see something like this being shown on a READ only CodeStash.co.uk page.

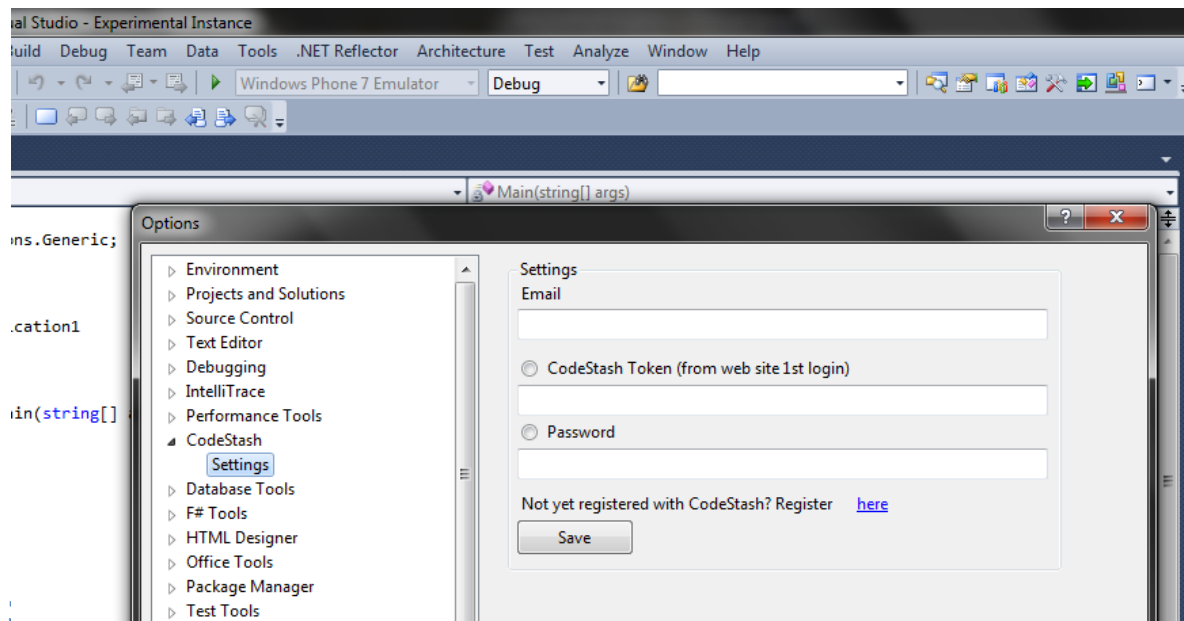


3. The VS2010 Addin

This section discusses how to use the CodeStash Visual Studio Addin which is available at : <http://visualstudiogallery.msdn.microsoft.com/8fd9a61e-2b3f-489b-b192-f898b2e0ee53> which will install via a standard VSIX installer

3.1 Settings

When you have installed the addin you can enter your specific settings (which include the OpenId token we talked about earlier) into the CodeStash option window which is shown below

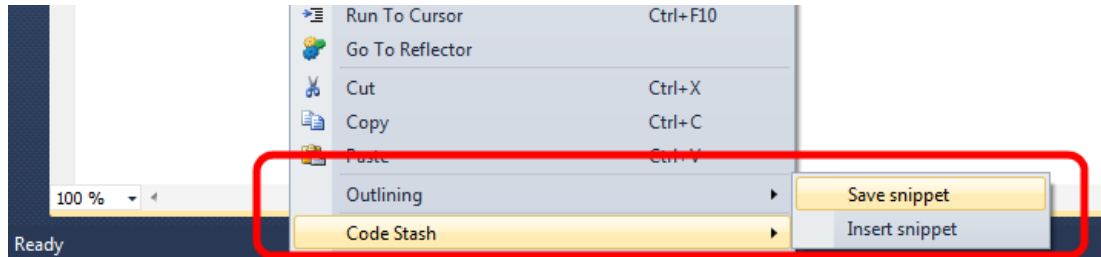


You basically need to enter the following details depending on the login you want to associate with the Addin

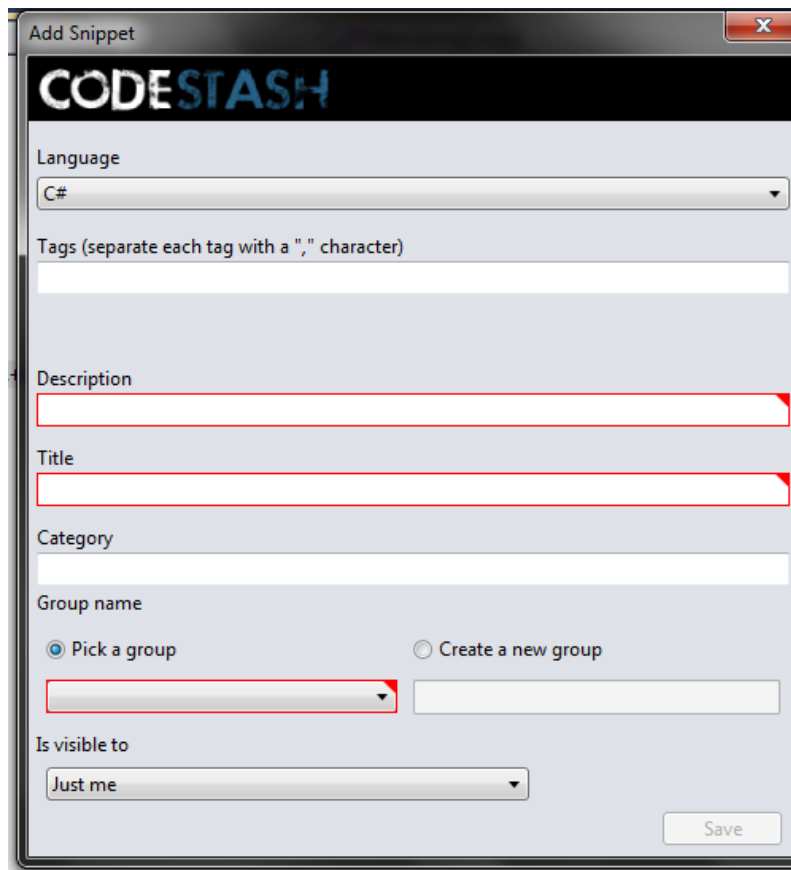
- Standard registered User : Enter email and Password
- OpenId provider authenticated User : Enter email and token (which you need to write down)

3.3 Adding A Snippet From Visual Studio

There is a right click context menu in Visual Studio which can be used to add a snippet to the web site. This is shown below



When you click this menu item you will then need to fill out the following form

A screenshot of the 'Add Snippet' dialog box in Visual Studio. The dialog box has a title bar with 'Add Snippet' and a close button. The main area has a 'CODESTASH' logo at the top. Below the logo are several input fields: 'Language' (a dropdown menu with 'C#' selected), 'Tags (separate each tag with a "," character)' (a text box), 'Description' (a text box), 'Title' (a text box), 'Category' (a text box), 'Group name' (a section with two radio buttons: 'Pick a group' (selected) and 'Create a new group'), and 'Is visible to' (a dropdown menu with 'Just me' selected). There is a 'Save' button at the bottom right.

3.4 Adding A Snippet To Visual Studio

You can obviously add code to the current editor window to, when you click the “Insert Snippet” context menu, you will need to specify your search, which is as follows:

Search

CODESTASH

Please enter your CodeStash search criteria

☒ By Tag ☐ By Key Word ☐ By Language

Tag
xxx

Keyword

Language
C

Visibility
Public

Rating
☒ Include Ratings? Minimum Snippet Ratings 4

Search

| ActualCode | ActualCode | Id | Category | Language | Tags | Description | Title | Group Name |
|------------------------------|--------------------------------|-----|----------|----------|------|-------------|-------|------------|
| View Snippet | Insert Snippet | 177 | C# | C# | xxx | description | title | |

Show page 1

You are able to preview the snippet by clicking the “View Snippet” hyperlink in the search results grid, which will show the following.

CODESTASH

```
//This is an edit
//This is an edit
foreach(string s in GetAllStrings())
{
    //This should print to console
    Console.WriteLine(s);
}

//This is an edit
//This is an edit
foreach(string s in GetAllStrings())
{
    //This should print to console
    Console.WriteLine(s);
}

//This is an edit
//This is an edit
foreach(string s in GetAllStrings())
{
```

While the “Insert Snippet” will actually insert the snippet into the current editor window.