# LSCK Manual

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## 1 Installation

The installation process of the LSCK extension is very straightforward.

1. The first step involves downloading the extension from the Visual Studio marketplace, which is accessible through the following link: `https://marketplace.visualstudio.com/vs`

2. Once in the marketplace, look for the LSCK extension, and download it to your computer.

3. Double click the downloaded file (a VSIX packaged extension), and Visual Studio will prompt to install the extension. Follow the process, and you are done!

After installation, if our extension is not visible when VS IDE is opened, we must go to the View menu, then Other Windows, and select "LSCK". Feel free to dock the extension to anywhere in your Visual Studio setup.

## 2 Add code

### 2.1 Manual approach

1. To create a section in LSCK extension, we must go to the "Add Code" tab, and click the create button. Here, we can enter a name for the section we wish to create.

2. Now, if we have an open solution in Visual Studio, we select the programming language we wish to add code from.

3. Next we select the snippet of code we wish to save, then insert a comment in the textbox provided, and finally click add.

Figure 1: Text selected for manual add approach.

4. The selected snippet will be successfully added to the section we just created.
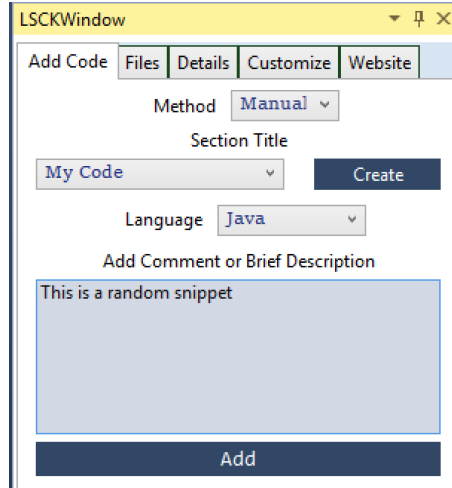
Figure 2: What the tab should look like just before adding our snippet.

This process can be repeated as many times as wanted by the user, and multiple snippets can be added to the same section.

## 2.2 Automatic approach

This method is a bit more complex, but can save us time if we dont want to use the extension while we code, and want to keep a record of the snippets we want to showcase later.

1. First of all we select the Auto option for adding code, in the Add Code tab from the LSCK extension.

2. Next, we select a memorable sequence of characters that will indicate, prefixed by the comment specific to the programming language, that we wish to showcase the code.

3. Every time we find a snippet we wish to add later on with the automatic approach, we place a comment (again, specific to the language of the code file), followed by our designated sequence, and then the section name we wish to add the code to at the start of the code snippet. If the section does not exist when the searching takes place, it will create it automatically. The next line should be the comment with the sequence, plus a brief description of the snippet. Finally, after the snippet we wish to add, a comment with the sequence should be added to indicate the end of the snippet. An example of this can be seen in Figure 3.



```
public class Class{
    //!!My Code
    //!!This is a constructor
    public Class()
    {

    }
    //!!
}
```

Figure 3: Example of auto add commenting.

In this case, the section we want to add the snippet to is called My Code, the description is "This snippet is a constructor", and the final comment followed by our chosen sequence marks the end of the snippet. In this case, as the code is from a C# file, the comment is a double slash : "//", and our sequence selected initially was two exclamation marks: "!!".

4. When we have all snippets we want to add surrounded by comments like explained above, we just press the Run button, and all snippets will be added automatically. On top of this, all messy comments followed by your desired sequence will be deleted, as they are no longer needed.

5. Below is a table showing the comments which must be used for each supported language in the extension.

| Language | Comment |
|----------|---------|
| Python   | #       |
| SQL      | −       |

# 3   Adding Files

Adding files to our website is very straightforward.

1. We first click on the Files tab of the LSCK extension.

2. Next we pick the section we want to add a file to. If no section has been created yet, this should be done first in the Add Code tab.

3. Finally, we click the add button and select the file we wish to add.

Some files, like images, will display in the website, and others will be available for download.

# 4   Modifying the structure

## 4.1   Adding and Deleting pages

Pages can be added and deleted from the website by clicking on the add and delete button from the Details tab.

## 4.2   Moving snippets and sections

1. We first access the structure tool window, by clicking on the Structure button in the Details tab of the LSCK extension.

2. Once open, we will have a new window which we can use to move sections we have created from one page to another, delete sections, move snippets around and even delete them.
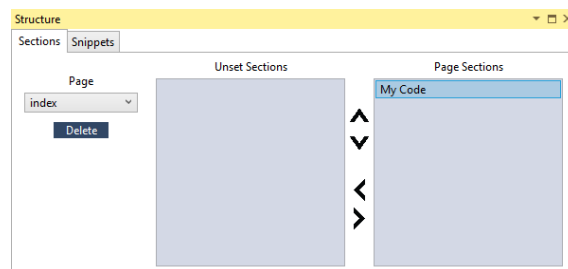


Figure 4: The structure tool window looks like this

3. Descriptions can also be modified for specific snippets or files which have been added to a particular section. The save button must be clicked so changes are saved.

# 5   Customization

## 5.1   Changing project name

The project name as viewed on the website can be modified in the Details tab of the extension.

## 5.2   Changing the code display theme

If we wish to modify the theme used to display code on the website, we can do this from the Ace theme option under the Details tab.

## 5.3    Color and font customization

Under the Customize tab, we are presented with various options. The General option allows us to change the color of things like the website background, the titles in the page and the descriptions. On top of this, it enables us to modify the font and font size of titles and descriptions.
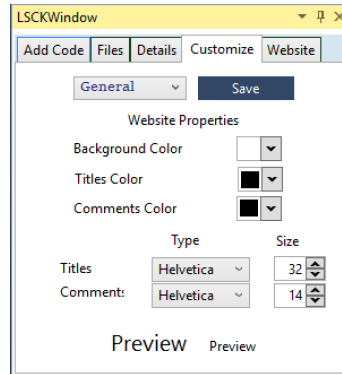


Figure 5: General website customization

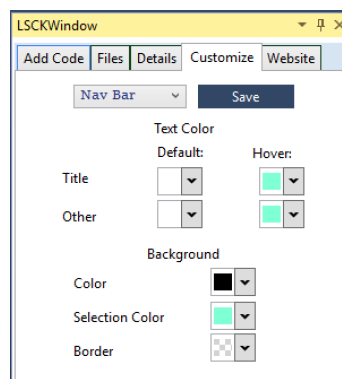The Nav Bar option allows us to change the colors of the navigation bar in the website.



Figure 6: Navigation Bar customization

## 6    Preview

The website we are developing with the LSCK extension can be previewed from the Website tab. All the user has to do is click on the Preview button. If a message like the one shown on Figure 7 pops up on the preview screen of the website, click on it and allow the blocked content.
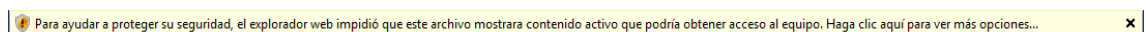


Figure 7: Blocked content message

## 7    Uploading

The user can upload a website created using the LSCK extension to an address from the Website tab. These are the steps to follow:

1. Select either PEM or Password for authentication method.

2. Next, introduce the IP address the website will be uploaded to, and the user name for authentication.

3. If PEM was selected, browse for a PEM file. If password method was chosen, introduce the password.

4. Now you can either use CDN, which will stop some items from being uploaded to server, and instead this items will be obtained from a Content Delivery Network. Tick/Untick respectively.

5. Finally, click the Upload button, and wait for process to be finished. Website will be successfully uploaded.