



SLQ Wiki - Basics

SLQ Wiki Fabrication Lab 2024/04/28 06:45

SLQ Wiki - Basics

Getting Around

On the left you can see our navigation menu. This menu is automatically generated, and uses the page names and *namespaces* (more on namespaces later) to create the structure.

On the right is the Table of Contents (TOC) for the page you are on.

Before you start editing or creating, you will need to be logged in. Please check out the [Dokuwiki syntax](#) and the [SLQ Wiki Style Guide](#).

Exporting Content

You can export a PDF or ODT file of the page you are on by using the buttons in floating tool bar on the right.



Namespaces and Page Names

A page in a dokuwiki is just a text file. You can see it in the bottom right of this page - in this case its called "start.txt". The page is always the last word in the URL link to the page (provided you are not editing it). A namespace is like a folder or section - a namespace can contain pages or other namespaces.

To Edit a Page

To edit a whole page, use the edit page button in the floating tool bar, or in the top menu.

This will open dokuwikis built in editor....

Edit the page and hit **Save**. See [Formatting Syntax](#) for Wiki syntax. Please edit the page only if you can **improve** it. If you want to test some things, learn to make your first steps on the [playground](#).

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==== To Edit a Page ====

Use the edit page tool on the right hand side, or in the menu tool.

{{ :the_edge_programming_wiki_theedge_-_2016-04-04_16.08.54.png?nolink&50 |}}

This will open dokuwikis built in editor....

Save

Preview

Cancel

Edit summary [To Edit a Page]

☐ Minor Changes

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Dokuwiki uses simple syntax for generating HTML, somewhat like [markdown](#) . The is easy to use, but the editor also has a built in cheat menu, where you can click and add formatting. The syntax keeps our documentation in txt format, ready to be converted to any other format imaginable..

You can also edit just sections of a page by clicking on the *edit* button below each section.

To Create a Page

Creating a page is as simple as writing a link - to a page that doesn't exist....

The simplest way is to enter a new link directly in the address bar. For example the link to this page is:

https://wiki.edgeql.org.au/doku.php?id=facilities:slq_wiki:start

If you change the last word from “start” to “my new page” (and you have the correct access privileges) you will be directed to the “create a new page”.

<https://wiki.edgeql.org.au/doku.php?id=facilities:slq> wiki:my new page

Before you create a page, decide which *namespace* you want to put it in. For example the prototypes namespace contains all our prototyping documentation. The first page in a namespace by convention is called “start”. So to create a new prototype page in this space for my new *pocket time machine* I would use this syntax.

```
[[prototypes:pocket time machine:start]]
```

Once your page is created, it will appear in sidebar, but if you can't find it - don't panic - check the sitemap, which is in the top page tools menu.

Sitemap

This is a sitemap over all available pages ordered by 📁 namespaces.

- 📁 edgeip
- 📁 fabrication
- 📁 partnerships
- 📁 playground
- 📁 programtheme2016-17
- 📁 prototypes
- 📁 recordingstudio
- 📁 robots
- 📁 space_activation
- 📁 tinygigs
- 📁 wiki
- 📁 workshops
- 📄 navigationmenu
- 📄 sidebar
- 📄 **The Edge Programming wiki**

Now you know how to edit - its time to learn some syntax.

Dokuwiki Syntax

For a full explanation of Dokuwiki syntax check out [Formatting Syntax](#).

More Editing

Some commonly used extra functionality for the site are the [RevealJS](#) slide show and the PDF export function.

Using the Include Function for Documentation

we can use the *include* plugin to insert information from one page into other pages.

As a first example we will modify an existing page to create a pre-production page, then we'll make a

Modify an Existing Page

First up, make a page in prototypes:lock using;

2) Right click on the new link - it will be red to indicate the page does not yet exist.

Before the workshop

You are here /  / [prototypes](#) / [Lock](#)

Edit the page and hit **Save**. See [Formatting Syntax](#) for Wiki syntax. Please edit the page only if you can **improve** it. If you want to test some things, learn to make your first steps on the [playground](#).

B I U TT S [List of icons] Draft autosaved on 2016/04/13 11:50

```
==== Pre-Production ====

- Laser cut hull
- Laser cut plug
- Laser cut lock pick and key pin rings
- Laser cut tension wrench
- Saw metal pipe (pin Sleeve)
- Saw dowel length and indentation (for o-ring)
- Saw and drill plug housing

You will need to cut the following materials and documents for a single kit (if not specified otherwise).

- **Hull**
  - 1x A3 6mm cardboard - lock_hull_1_v2-sheet.cdr - Approx. 1 min 40 sec per sheet
  - 1x A3 6mm cardboard - lock_hull_2_v2-sheet.cdr - Approx. 1 min 40 sec per sheet
- **Plug**
  - 1x A3 3mm cardboard - lock_plug_v2-sheet.cdr - Approx. 3 min per sheet
- **Lock Pick & Key Pin rings**
  - 1x A3 3mm Acrylic - lock_pick_v2-sheet.cdr - (This will produce shitloads of picks and rings)
- **Tension wrench**
  - 1x A3 6mm Acrylic - lock_tension_v2-sheet.cdr - (This will produce shitloads of wrenches)
- **Metal Pipe**
  - 1x 50mm (10mm O/D) metal pipe
```

Continue editing after saving

Save **Preview** **Cancel** **Edit summary** [Pre-Production] **Minor Changes**

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4) Jump back to your :lock:preprod page and 'create page' then paste the pre-production content in.

You are here / [prototypes](#) / [Lock](#) / [preprod](#)

prototypes:lock:preprod

You can create this page **importing an odt file** from your computer.
More the file follows the word processing rules, better will be the result

Import an odt file

No file selected.

Edit the page and hit **Save**. See [Formatting Syntax](#) for Wiki syntax. Please edit the page only if you can **improve** it. If you want to test some things, learn to make your first steps on the [playground](#).

B I U T^T S H H H H W Q Image Table Link Unlink Help

```
{{:prototypes:img_6897.jpg?200|}}
```

```
{{:prototypes:img_6896.jpg?200|}}
```

```
{{:prototypes:img_6899.jpg?200|}}
```

```
{{:prototypes:img_6902.jpg?200|}}
```

```
{{:prototypes:img_6904.jpg?200|}}
```

```
{{:prototypes:img_6905.jpg?200|}}
```


check alignment of holes on example plug are within tolerance


```
{{:prototypes:img_6906.jpg?200|}}
```

```
{{:prototypes:img_6907.jpg?200|}}
```

☒ Continue editing after saving

created
 ☒ Minor Changes

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5) Click save and check it looks good.

prototypes.lock:prepro

Pre-Production

1. Laser cut hull
2. Laser cut plug
3. Laser cut lock pick and key pin rings
4. Laser cut tension wrench
5. Saw metal pipe (pin Sleeve)
6. Saw dowel length and indentation (for o-ring)
7. Saw and drill plug housing

You will need to cut the following materials and documents for a single kit (if not specified otherwise).

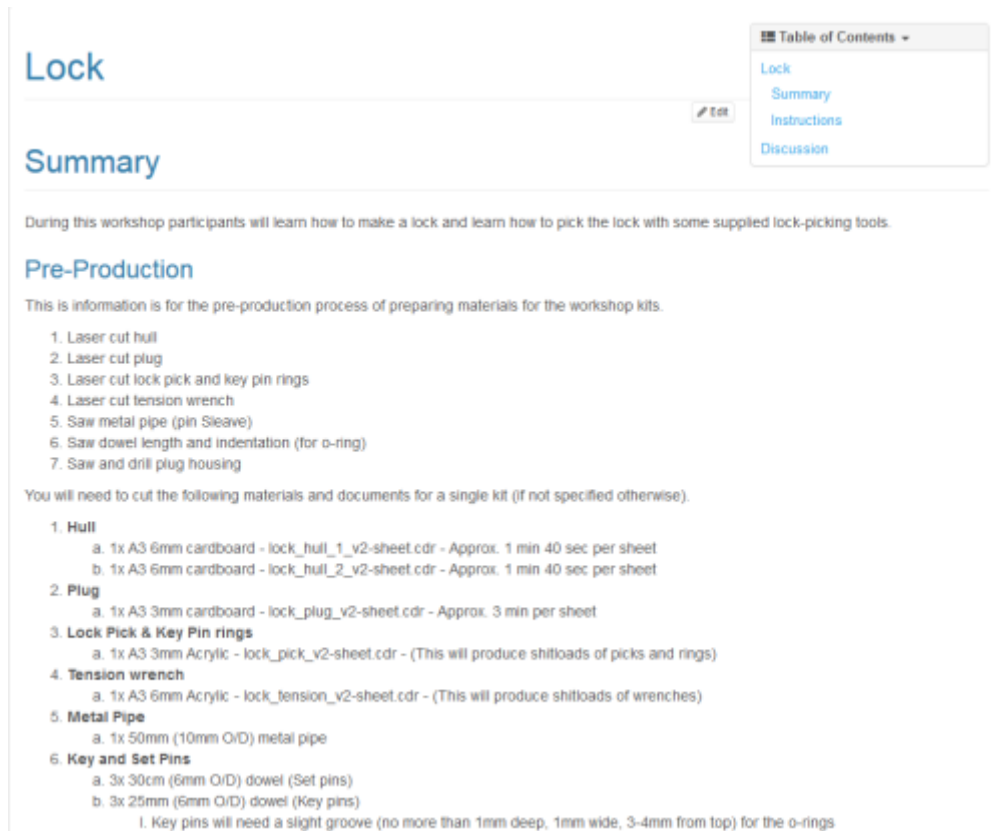
1. **Hull**
 - a. 1x A3 6mm cardboard - lock_hull_1_v2-sheet.cdr - Approx. 1 min 40 sec per sheet
 - b. 1x A3 6mm cardboard - lock_hull_2_v2-sheet.cdr - Approx. 1 min 40 sec per sheet
2. **Plug**
 - a. 1x A3 3mm cardboard - lock_plug_v2-sheet.cdr - Approx. 3 min per sheet
3. **Lock Pick & Key Pin rings**
 - a. 1x A3 3mm Acrylic - lock_pick_v2-sheet.cdr - (This will produce shifloads of picks and rings)
4. **Tension wrench**
 - a. 1x A3 6mm Acrylic - lock_tension_v2-sheet.cdr - (This will produce shifloads of wrenches)
5. **Metal Pipe**
 - a. 1x 50mm (10mm O/D) metal pipe
6. **Key and Set Pins**
 - a. 3x 30cm (6mm O/D) dowel (Set pins)
 - b. 3x 25mm (6mm O/D) dowel (Key pins)
 - i. Key pins will need a slight groove (no more than 1mm deep, 1mm wide, 3-4mm from top) for the o-rings
 - ii. Put o-ring on key pin and make sure it doesn't fit through the acrylic key pin ring (step 2 above)
7. **Plug Housing**
 - a. 1x 50mm (60mm O/D) postage tube
 - i. Drill 3x holes in the housing (use acrylic hole template) This needs to be very straight and accurate!

-Material prep process

6) Go back to your prototypes:lock page and delete the pre-production content, and add in an *include* tage to point to the new page wherever you want.

```
{{page>prototypes:lock:preprod}}
```

7) This will insert the preprod page seamlessly into the locks page. For staff and admin the page will look like this;



The screenshot shows a wiki page for 'Lock'. At the top right is a 'Table of Contents' dropdown menu with links to 'Lock', 'Summary', 'Instructions', and 'Discussion'. The main content area has a 'Summary' section followed by a paragraph: 'During this workshop participants will learn how to make a lock and learn how to pick the lock with some supplied lock-picking tools.' Below this is a 'Pre-Production' section with the text: 'This information is for the pre-production process of preparing materials for the workshop kits.' This is followed by a numbered list of 7 items: 1. Laser cut hull, 2. Laser cut plug, 3. Laser cut lock pick and key pin rings, 4. Laser cut tension wrench, 5. Saw metal pipe (pin Sleeve), 6. Saw dowel length and indentation (for o-ring), 7. Saw and drill plug housing. Below the list is a paragraph: 'You will need to cut the following materials and documents for a single kit (if not specified otherwise).' This is followed by a detailed list of materials and documents, including hull, plug, lock pick & key pin rings, tension wrench, metal pipe, and key and set pins, with specific quantities and file names for each.

Lock

Summary

During this workshop participants will learn how to make a lock and learn how to pick the lock with some supplied lock-picking tools.

Pre-Production

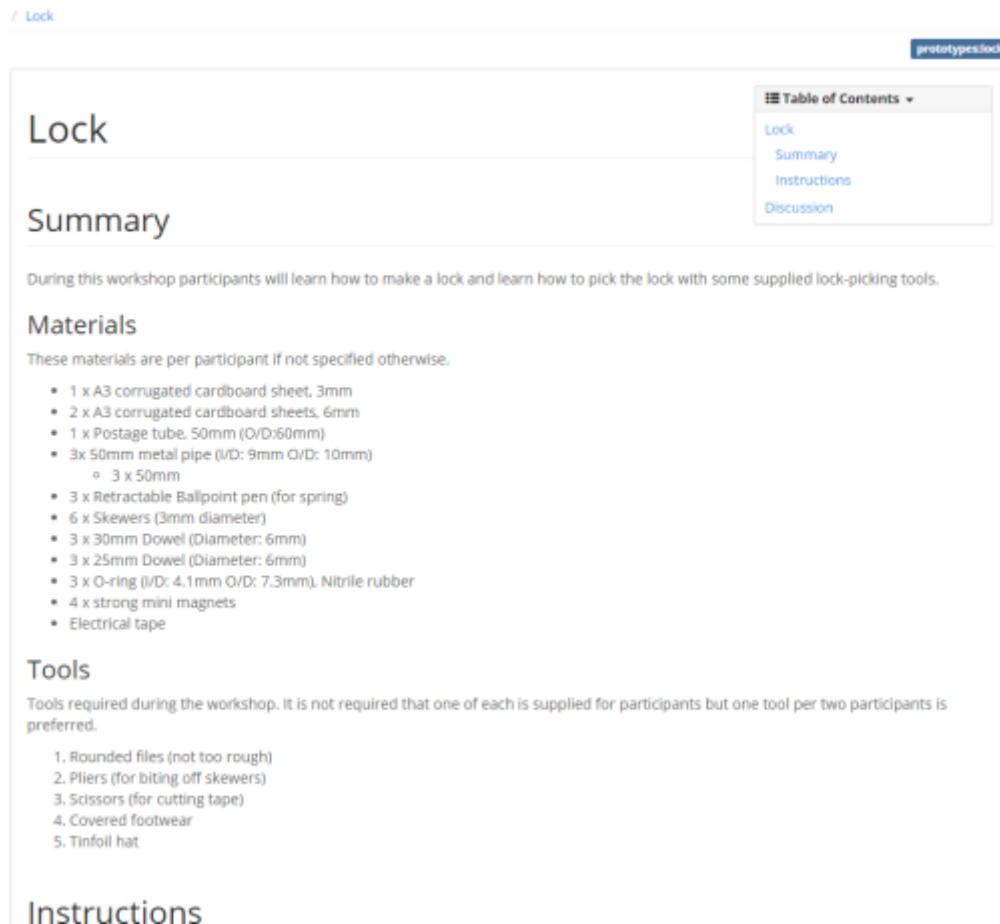
This information is for the pre-production process of preparing materials for the workshop kits.

1. Laser cut hull
2. Laser cut plug
3. Laser cut lock pick and key pin rings
4. Laser cut tension wrench
5. Saw metal pipe (pin Sleeve)
6. Saw dowel length and indentation (for o-ring)
7. Saw and drill plug housing

You will need to cut the following materials and documents for a single kit (if not specified otherwise).

1. **Hull**
 - a. 1x A3 6mm cardboard - lock_hull_1_v2-sheet.cdr - Approx. 1 min 40 sec per sheet
 - b. 1x A3 6mm cardboard - lock_hull_2_v2-sheet.cdr - Approx. 1 min 40 sec per sheet
2. **Plug**
 - a. 1x A3 3mm cardboard - lock_plug_v2-sheet.cdr - Approx. 3 min per sheet
3. **Lock Pick & Key Pin rings**
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4. **Tension wrench**
 - a. 1x A3 6mm Acrylic - lock_tension_v2-sheet.cdr - (This will produce shitloads of wrenches)
5. **Metal Pipe**
 - a. 1x 50mm (10mm O/D) metal pipe
6. **Key and Set Pins**
 - a. 3x 30cm (6mm O/D) dowel (Set pins)
 - b. 3x 25mm (6mm O/D) dowel (Key pins)
 - i. Key pins will need a slight groove (no more than 1mm deep, 1mm wide, 3-4mm from top) for the o-rings

But as a standard user this is what you will see.



Create a Pre-Production Page from Scratch

This is simpler - just create your preprod page the same as in step 1) above, and do all your pre-production documentation in there. Once its complete, use and *include* tag to insert the pre-prod information into your main page.

Using Regex to fix formating

Regex is handy to bulk replace syntax. This requires an external editor that supports regex - I recommend SublimeText 3 as it supports standard regex (PHP).

You can also test your regex with this neat site. <https://regex101.com/r/vF7jY9/4>

Say I want to replace the tags `<wrap em></wrap>` with `<WRAP hide></WRAP>`

The tricky part about this is the closing tag `</wrap>` is used over and over. Sometimes to close `<wrap em>` but also with `<wrap lo>` or `<wrap box>` .. etc. etc.

As an example say we want to replace

```
<wrap
em>{{background>::hp8100:082_cpu_thermal_paste_apply_1920.jpg}}</wrap>
```

With

```
<WRAP  
hide>{{background>:hp8100:082_cpu_thermal_paste_apply_1920.jpg}}</WRAP>
```

Using the regex to **find**

```
<wrap em>(.*?)</wrap>
```

we then get the matches for:

- `<wrap em>` matches the characters `<wrap em>` literally (case sensitive)

Then we get a whole bunch of stuff matching inside the braces (called a *capture group*)

- `.` matches any character (except for line terminators)
- `*?` Quantifier — Matches between zero and unlimited times, as few times as possible, expanding as needed (lazy)

Finally we have

`<` matches the character `<` literally (case sensitive) `/` matches the character `/` literally (case sensitive)
`wrap>` matches the characters `wrap>` literally (case sensitive)

Then we need to **replace** with the regex

```
<WRAP hide>\1</WRAP>
```

Finding big text chunks

It gets a little trickier if we want to find entire sections of text that may include line breaks. In this case we can use the `^` character.

```
<wrap lo>([^\n]+)</wrap>
```

This is close to our previous example. We get the matches for:

- `<wrap lo>` matches the characters `<wrap lo>` literally (case sensitive)

Then we get the first capture group `([^\n]+)`

- `[^\n]` matches any character, including newline
- `+` Quantifier — Matches between one and unlimited times, as many times as possible, giving back as needed

Finally we have ;

```
* < matches the character < literally (case sensitive)
* \ / matches the character / literally (case sensitive)
* wrap> matches the characters wrap> literally (case sensitive)
```

Displaying External Sites in Dokuwiki

There are a couple of ways to embed external web content in dokuwiki. The easiest way is to use the `iframe` plugin.

iframe plugin

The `iframe` plugin can be used to directly embed a website in an `iframe`.

```
{{url> http://www.example.com/somepage.html}}
```

Integrating Google Sheets

The `CSV` dokuwiki plugin can be used to insert google sheet.

- The sheet will be updated automatically (but slowly!),
- links will not display in the tables - this is a [known issue](#) and will not be implemented.
- It's not pretty.

As an example, this sheet:

fx					
	A	B	C	D	E
1	Date	Location	Time	People	Web Link
2	11/21/2018	Brisbane	11:25:14 AM	John Doe	http://www.slq.qld.gov.au/

Looks like this:

Failed to fetch remote CSV data

refer to the documentation for details.