

GitHub Website Hosting

GitHub offers free website hosting. For anyone already familiar with GitHub, the feature is simple to use. Here's an example: if your Github username is `RyanFitzgerald`, then your GitHub repositories are hosted on:

<https://github.com/RyanFitzgerald>

Among Ryan's repositories is one named `RyanFitzgerald.github.io`:

<https://github.com/RyanFitzgerald/RyanFitzgerald.github.io>

Notice how this particular repository is named using an account name with `.github.io` appended to it. If you create a new repository for yourself using this naming convention, it will automatically appear on a sub-domain of `github.io`. Of course, the repository must contain a website with a file named `index.html` for its landing page. In Ryan's case, you can view his website here:

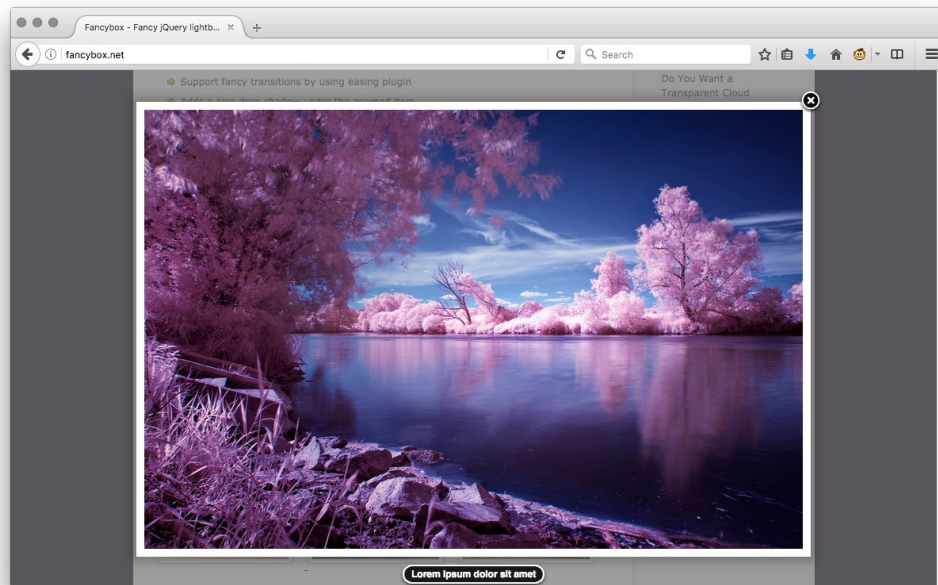
<http://ryanfitzgerald.github.io/>

Your lecturer/tutor will run through setting up GitHub hosting for your portfolio website. For more information, you can refer to the GitHub pages documentation:

<https://pages.github.com/>

Lightbox Galleries

If you are looking to integrate common JavaScript features in your website, chances are somebody has already written some code for you. 'Lightbox'-type galleries are a popular example -- Fancybox being one of the better options:



The workshop files include some images to setup an example gallery. For each image there is both a thumbnail/small (small_1.jpg, ...) and large version (big_1.jpg, ...).

Create a new directory in your 289.101 repository named "fancybox". Copy the lightbox gallery image files into this and create a new index.html file.

From here your lecturer/tutor will run through setting up the gallery. If you miss this lesson or need more information, refer to the fancybox documentation:

<http://fancyapps.com/fancybox/3/>

Smooth Scrolling

One-page websites are a popular design choice. Rather than linking together various HTML documents, these jump to different scroll-positions.

Create a new file in your 289.101 repository named "smooth-scoll.html". Add the following code to it:

```
<!DOCTYPE html>

<html>
  <head>
    <title>Smooth Scrolling</title>
  </head>

  <body>
    <div id="nav">
```

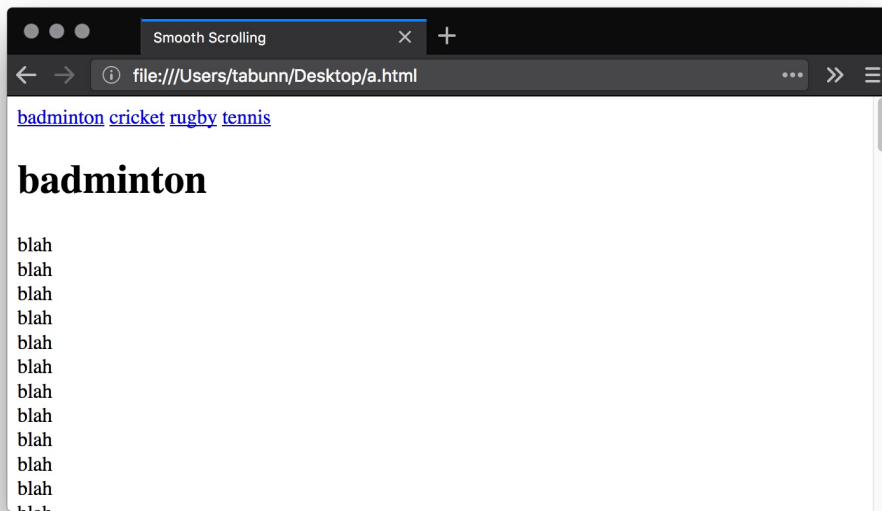
```
<a href="#bad">badminton</a>
<a href="#cri">cricket</a>
<a href="#rug">rugby</a>
<a href="#ten">tennis</a>
</div>

<h1 id="bad">badminton</h1>
blah<br/> blah<br/> blah<br/> blah<br/>
blah<br/> blah<br/> blah<br/> blah<br/>
blah<br/> blah<br/> blah<br/> blah<br/>
blah<br/> blah<br/> blah<br/> blah<br/>
blah<br/> blah<br/> blah<br/> blah<br/>
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blah<br/> blah<br/> blah<br/> blah<br/>
blah<br/> blah<br/> blah<br/> blah<br/>
blah<br/> blah<br/> blah<br/> blah<br/>

<h1 id="cri">cricket</h1>
blah<br/> blah<br/> blah<br/> blah<br/>
blah<br/> blah<br/> blah<br/> blah<br/>
blah<br/> blah<br/> blah<br/> blah<br/>
blah<br/> blah<br/> blah<br/> blah<br/>
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blah<br/> blah<br/> blah<br/> blah<br/>
blah<br/> blah<br/> blah<br/> blah<br/>
blah<br/> blah<br/> blah<br/> blah<br/>

<h1 id="rug">rugby</h1>
blah<br/> blah<br/> blah<br/> blah<br/>
...

<h1 id="ten">tennis</h1>
blah<br/> blah<br/> blah<br/> blah<br/>
...
```



Note how the href attributes each contain a # character. The href="#bad" link to the element with an id="bad"; the href="#cri" links to the element with an id="cri"; and so forth. Save and test.

You will notice that there is a 'hard' jump to each section. To smooth things out, add the following CSS:

```
<!DOCTYPE html>

<html>
  <head>
    <title>Smooth Scrolling</title>
    <style>
      body {
        scroll-behavior: smooth;
      }
    </style>
  </head>
  ...

```

To have the navigation remain fixed to the top of the page, use this CSS:

```
...
<style>
  body {
    scroll-behavior: smooth;
  }
  #nav {
    position: fixed;
  }

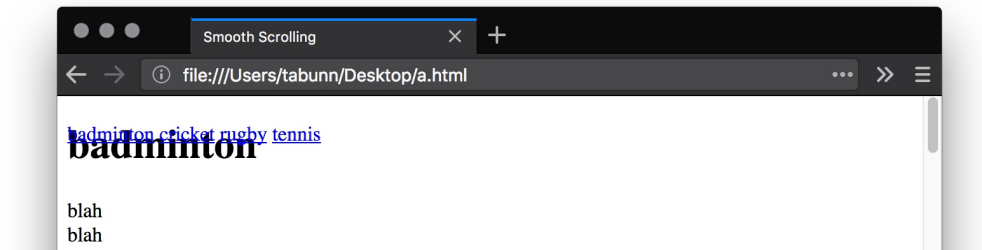
```

```

    }
</style>
...

```

Save and test. The navigation will now remain fixed to the top of the page, but things will look overlapped.



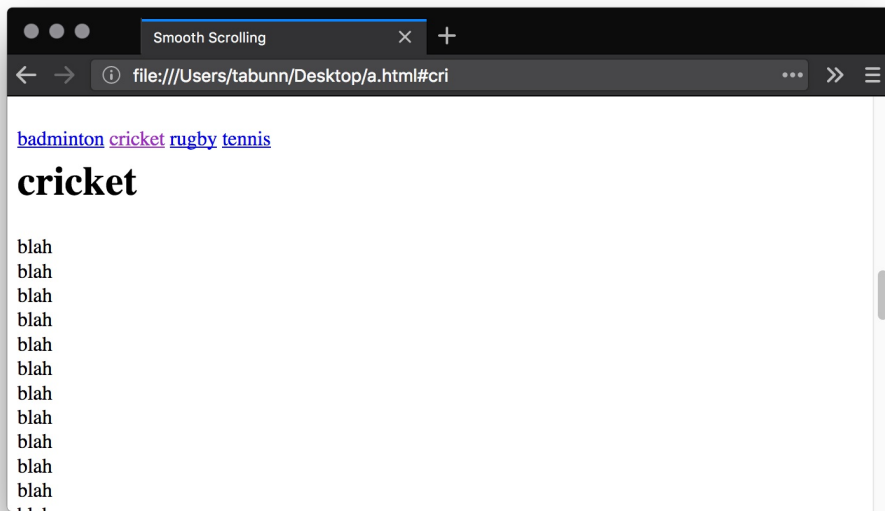
Refine the styling:

```

...
<style>
  body {
    scroll-behavior: smooth;
  }
  #nav {
    background-color: white;
    height: 25px;
    padding-top: 25px;
    position: fixed;
    top: 0;
  }
  h1 {
    /* offset to accommodate fixed nav */
    padding-top: 50px;
  }
</style>
...

```

Save and test. Here is the page with the cricket section selected:



end