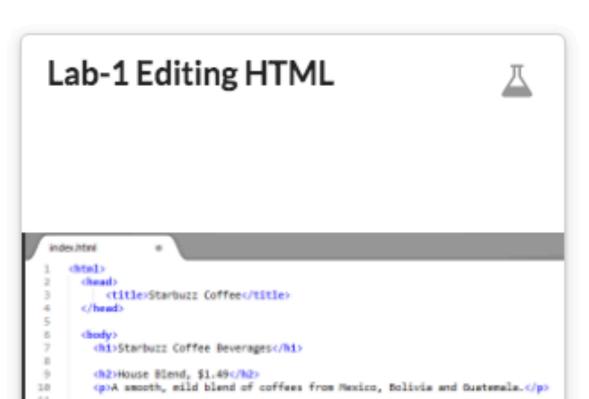
# Fundamentals of html & css

Page & Site Structure

Templating & Deployment

Style & Design

### Fundamentals of html & css



(h2)Mocha Cafe Latte, \$2,35(/h2)

<h2>Cappuccino, \$1.89</h2>

ch2>Chai Tem, \$1.85

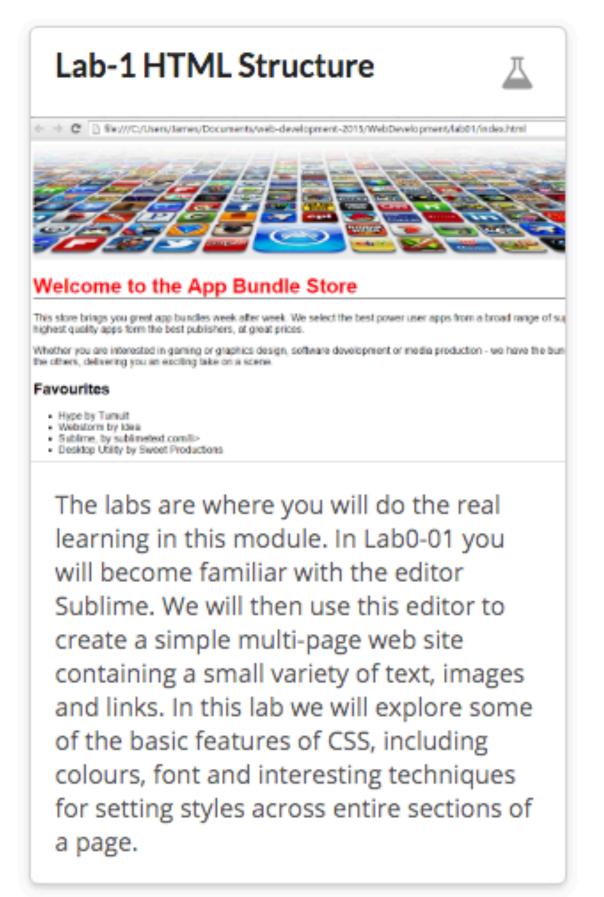
19 cpoA 20 c/body 21 c/html>

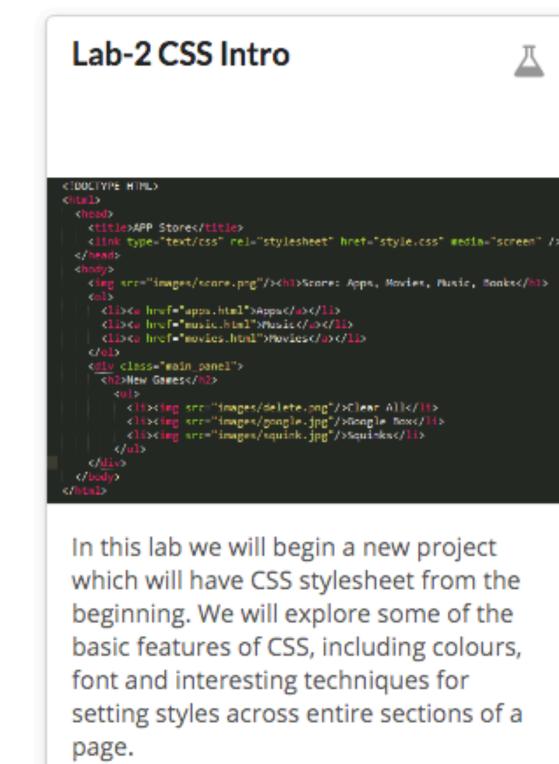
cp>Espresso, steamed mild and chocolate syrup.

(p)A mixture of expresso, steamed milk and foam. (/p)

This lab will firstly introduce you to the tools we will use during the web development module and secondly introduce you to creating, editing, saving and displaying a web page.

cpoA splcy drink made with black tea, spices, milk and honey.



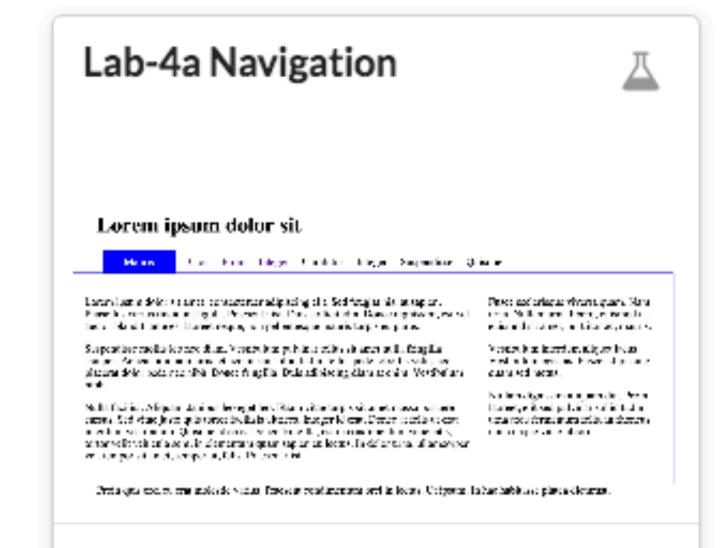




## Page & Site Structure

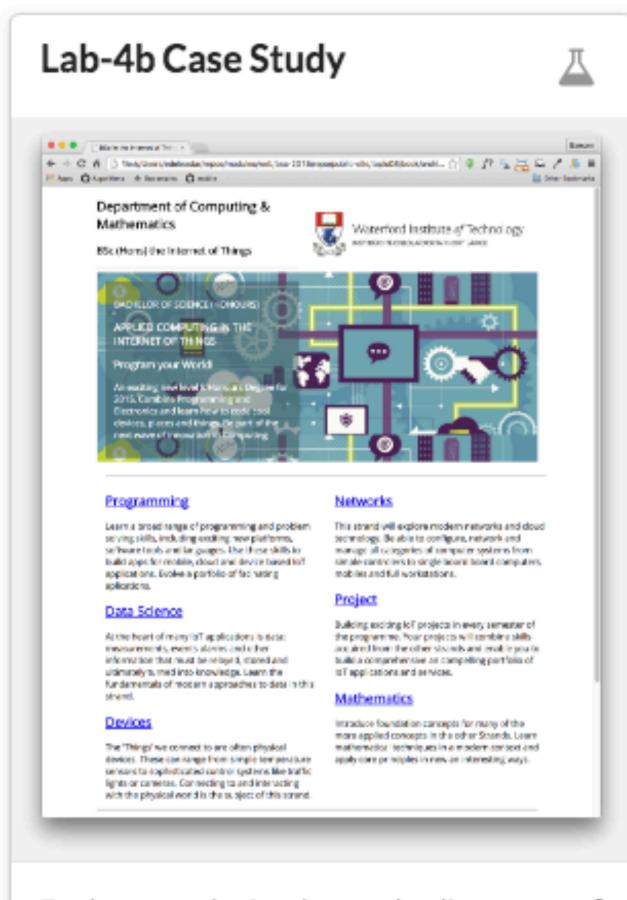
### Lab-3b Multicolumn Lorem ipsum dolor sit Lorem ipsum dolor sit amet, consectetuer adipiscing elit Mauris Sed feugiat nisi at sapien. Phasellus varius tincidunt ligula. Cras Praesent nisi. Duis sollicitudin. Donec dignissim, est vel auctor blandit, ante est laoreet neque, non pellentesque Integer Curabitur Suspendisse mollis leo nec diam. Vestibulum pulvinar tellus Suspendisse sit amet nulla fringilla semper. Aenean aliquam, uma et accumsan sollicitudin, tellus pede lobortis velit, nec placerat dolor pede nec nibh. Donec fringilla. Duis adipiscing diam at enim. Vestibulum nibh.

This weeks lab will give you more practical experience od the box model and specifically how to build a simple multi-column layout using the techniques we have explored in class. You should complete this lab before starting to consider your project in detail.

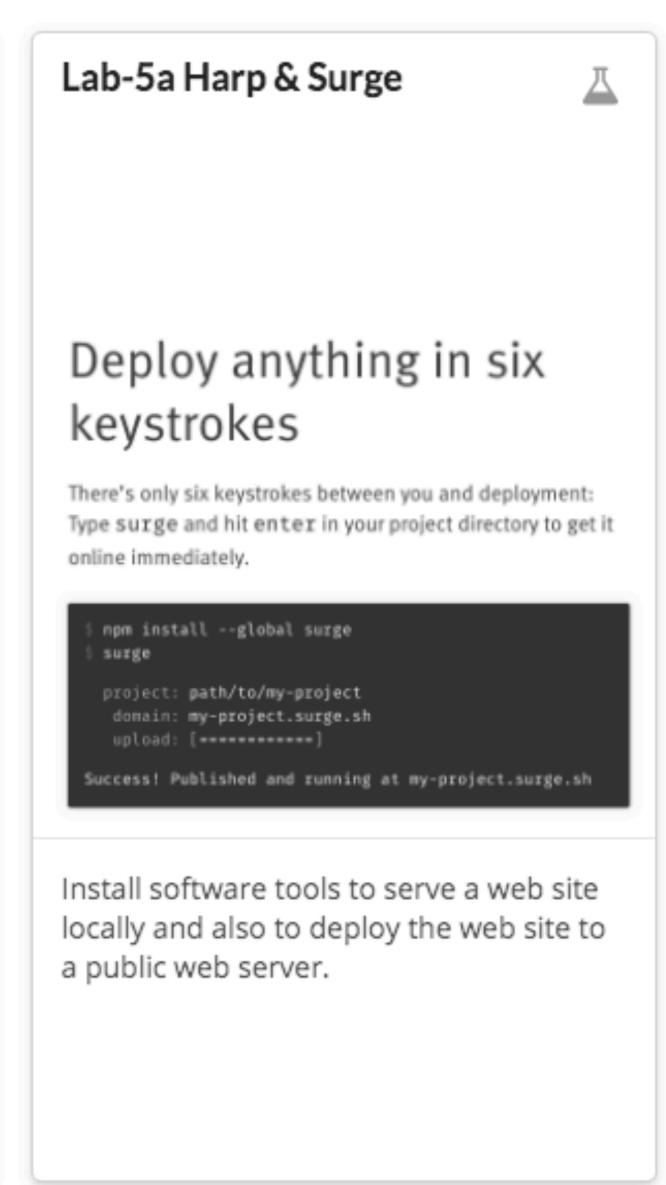


Restructure the output of the last lab to participate in a tabbed navigation structure, and then produce a simple application mockup using these techniques. Do this by introducing a simple tabbed design into the site to provide the user with the visual metaphor for navigation. We then 'wire-up' these tabs to lead the user through the site. We will do this twice: once for the example content we laid out in last weeks lab. Then we will apply this to the app store site, using the same CSS rules.

## Templating & Deployment



Explore a web site that embodies many of the techniques we have explored so far. In the lab the web is evolved from unstyled content to a reasonably elegant and clean design - using semantic html element where appropriate.



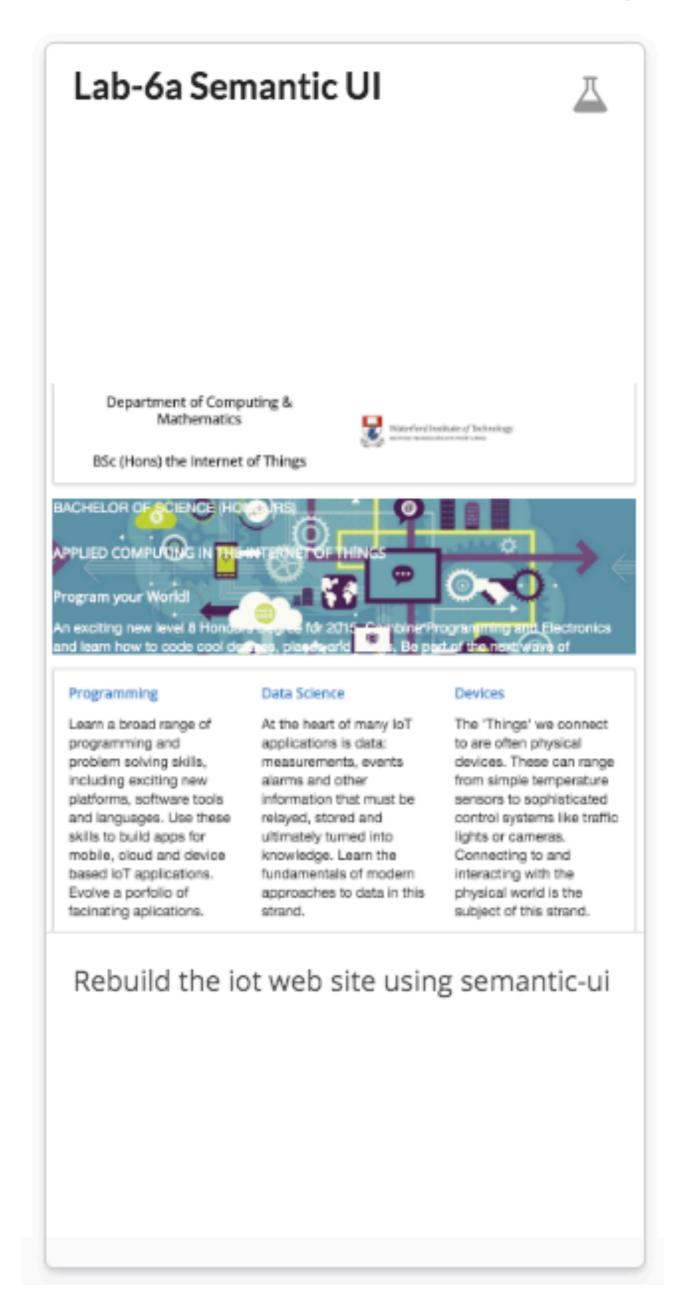
```
Lab-5b Templating
   harp.json
   public
    — assets
        includes

── _curriculum.ejs

─ _footer.ejs
            _header.ejs
         ____sponsors.ejs
        ____summary.ejs
        index.ejs
        strands

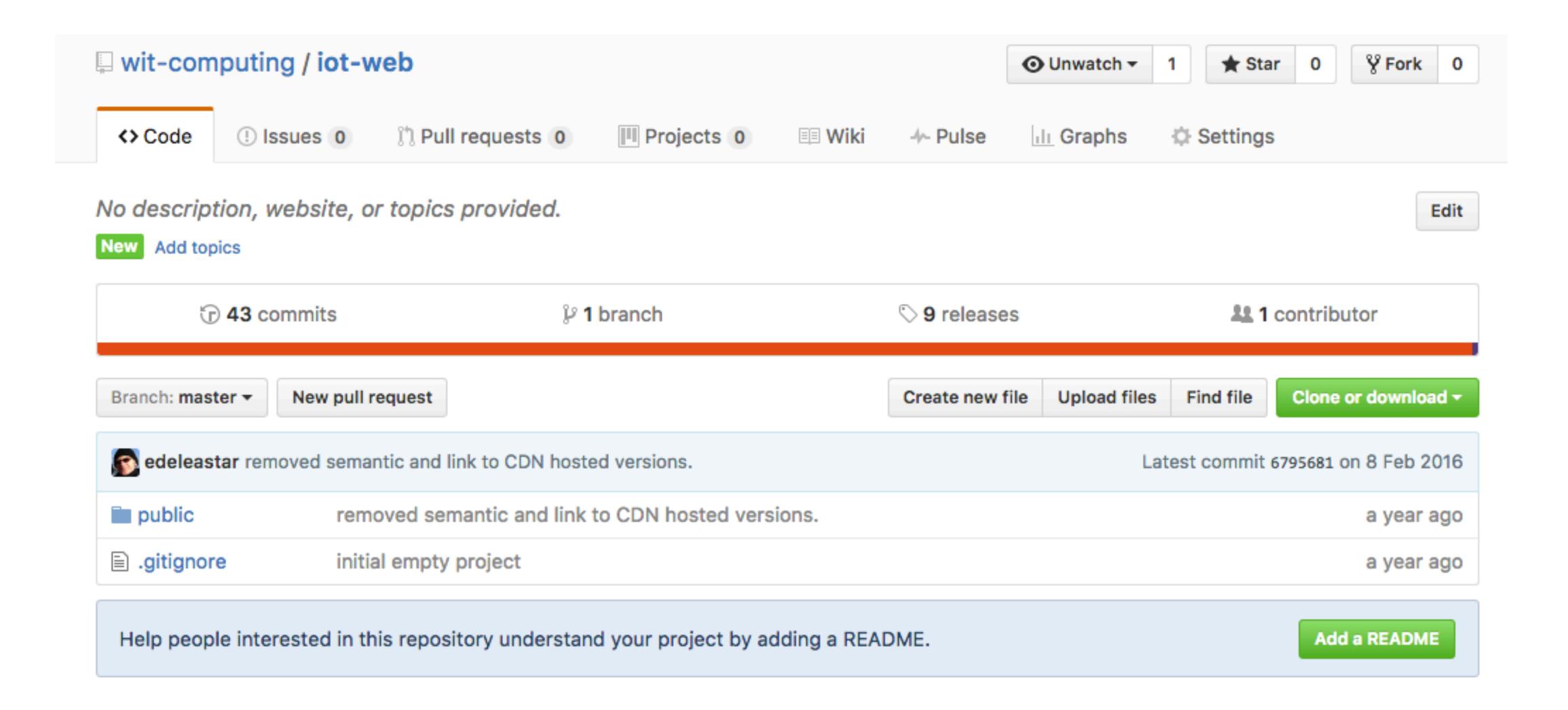
— _layout.ejs
        ─ data.ejs
         ─ devices.ejs
         — maths.ejs
         — networks.ejs
         ── programming.ejs
        — project.ejs
        style.css
Rebuild the IoT web site from thee last
lab using templating. This version of the
site will aim to significantly reduce the
content the author has to manage by
reusing 'templates' containing common
sections.
```

## Style & Design



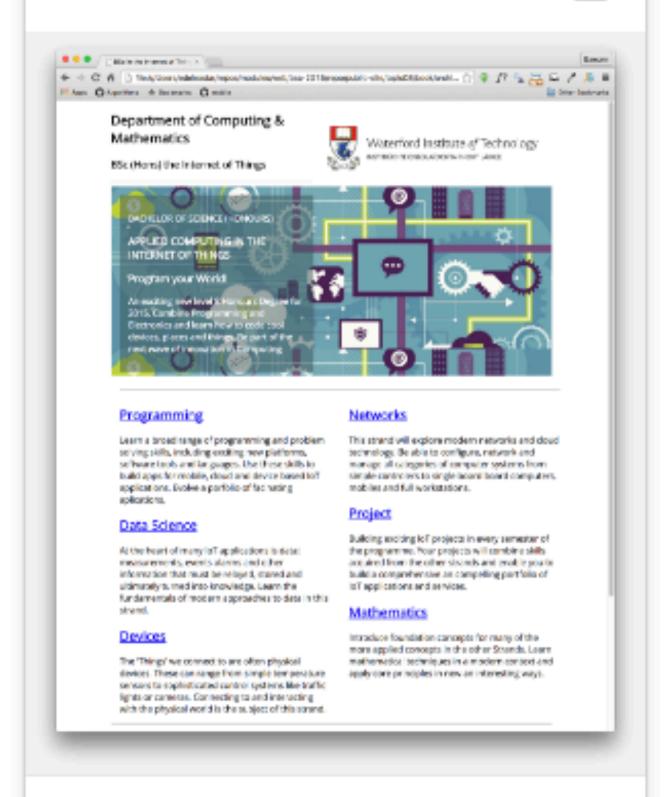


## https://github.com/wit-computing/iot-web

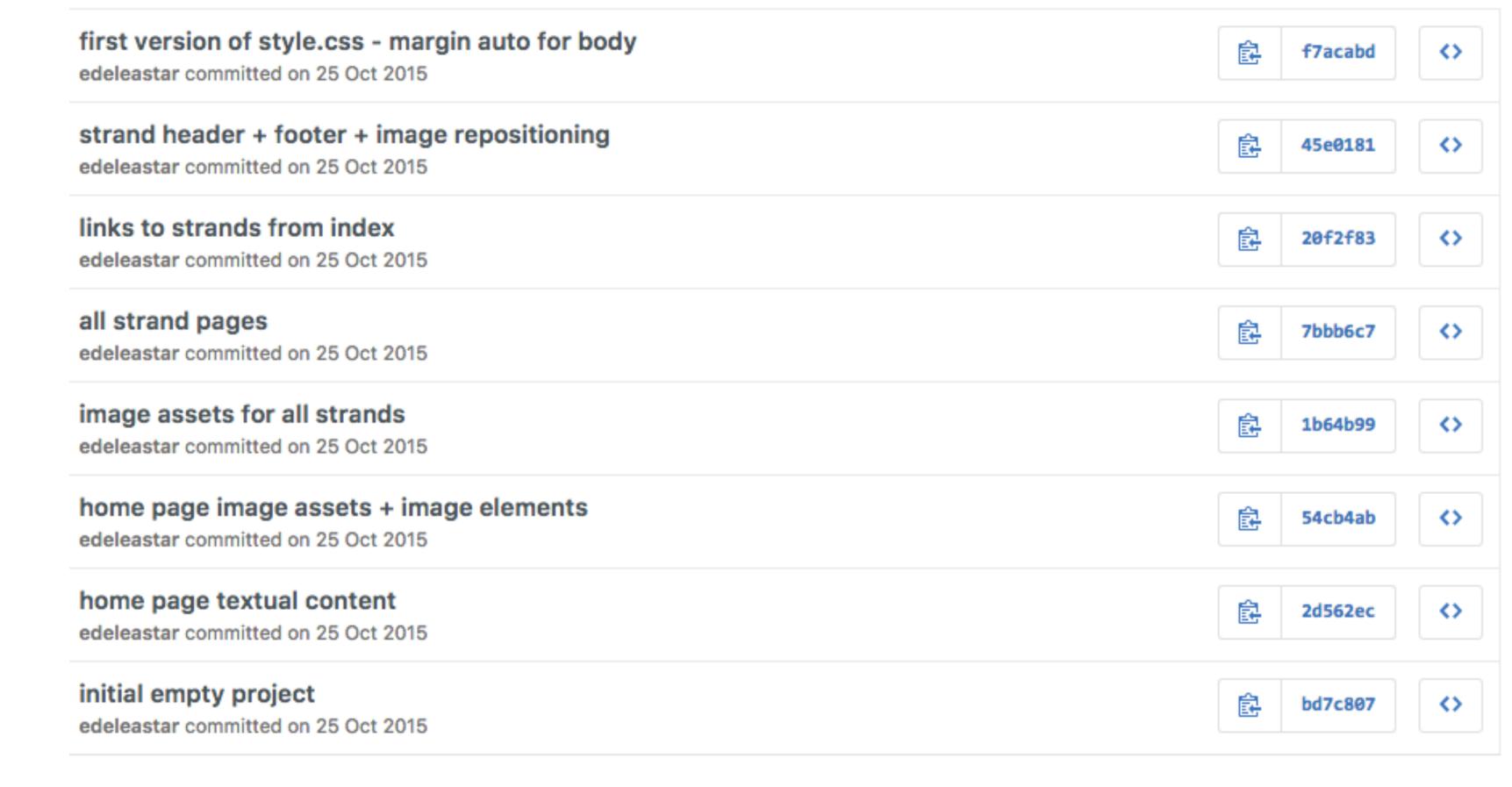


### Lab-4b Case Study



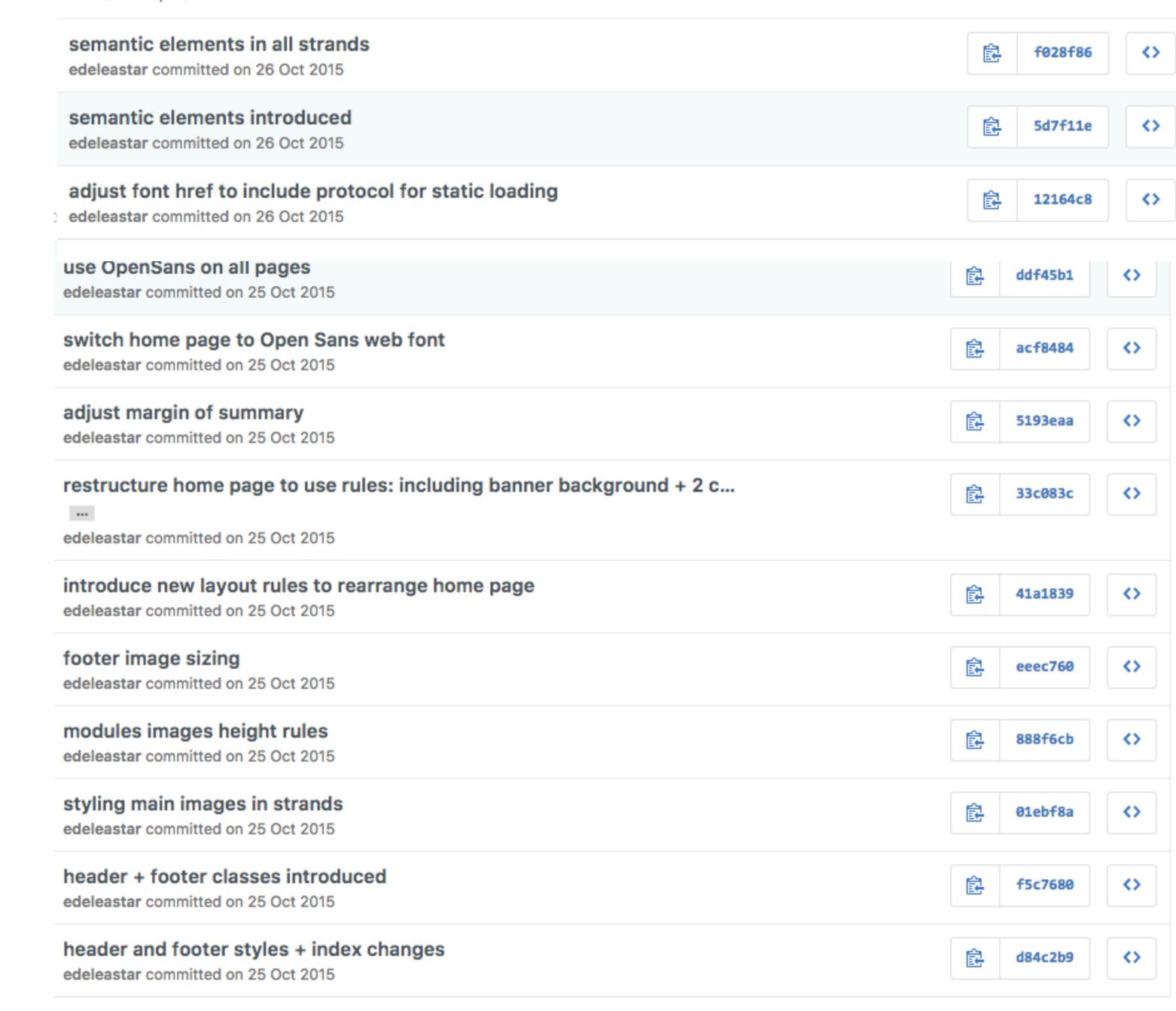


Explore a web site that embodies many of the techniques we have explored so far. In the lab the web is evolved from unstyled content to a reasonably elegant and clean design - using semantic html element where appropriate. s on Oct 25, 2015



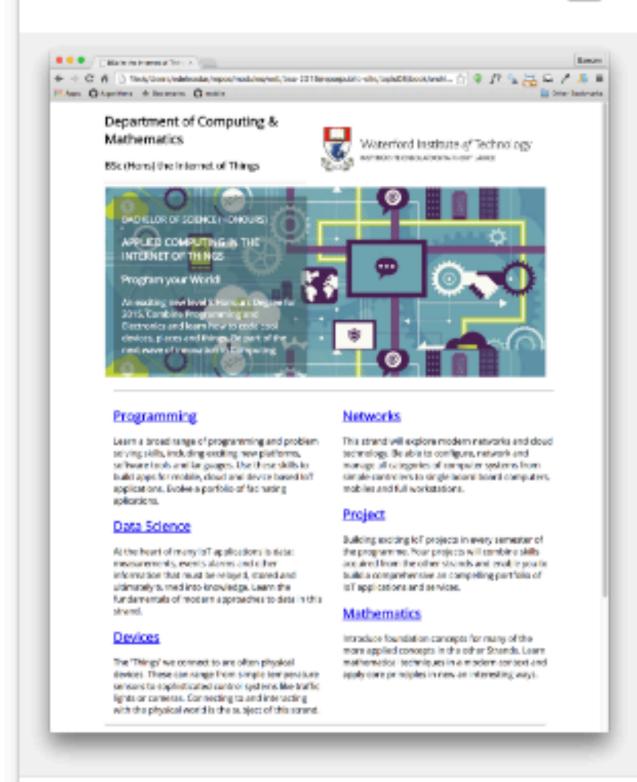
#### Lab-4b Case Study Black to travel of Trining # + C # () finite transfer for the property of Military Chaptiers of Section Contin-Department of Computing & Mathematics Waterford Institute of Technology MATERIAL TRANSPORTATION AND PROPERTY. BSc (Hors) the Internet of Things APPLIED COMPUTING IN THE INTERNET OF THINES Programming Networks Learn a broad range of programming and problem. This strend will explore modern networks and doug technology. Be able to configure, nativerk and selving skills, including exciting new platforms, software tools and larguages. Use these skills to manage of categories of computer systems from build appoint mobile, doud and device based for simple controllers to single board board computers. mobiles and full workstations. applications. Evolve a portollo of facinating aplications. Data Science Building existing foll projects in every semester of At the heart of many laT applications is date: the programme. Your projects will samble askills. accured from the other strands and enable you to information that must be relayed, stored and build a comprehensive an compelling portfolio of ultimately turned into knowledge. Learn the isTapplications and services. fundamentals of modern approaches to data in this Devices introduce foundation concepts for many of the more applied concepts in the other Strands, Learn The 'Things' we connect to are often physical mathematical techniques in a modern context and devices. These can range from simple temperature apply core principles in new an interesting ways. sensors to cophidicated cardrol systems. Me traffic lights or careeras. Connecting to and interacting with the physical world is the subject of this strand.

Explore a web site that embodies many of the techniques we have explored so far. In the lab the web is evolved from unstyled content to a reasonably elegant and clean design - using semantic html element where appropriate. ts on Oct 26, 2015

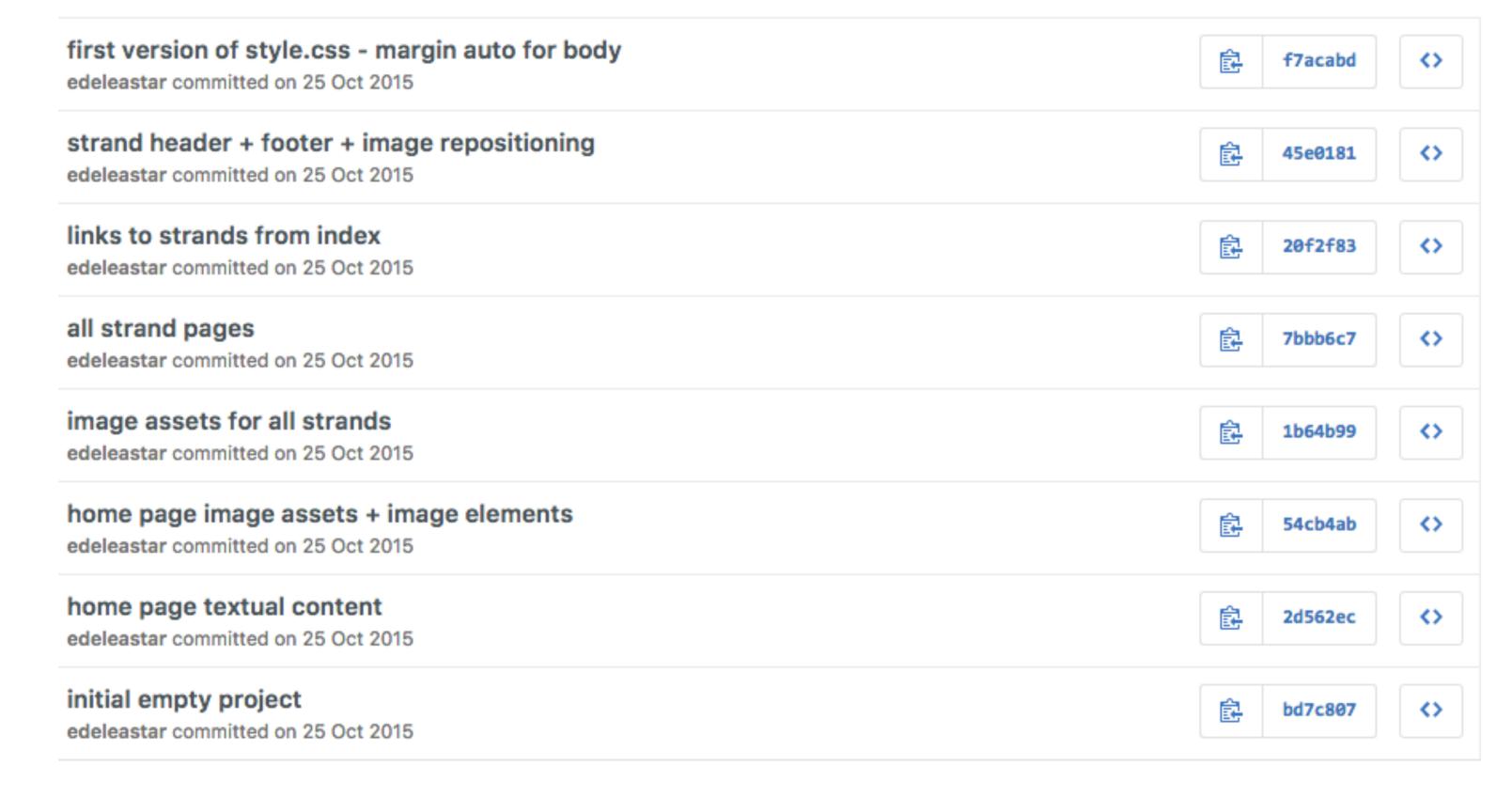


### Lab-4b Case Study





Explore a web site that embodies many of the techniques we have explored so far. In the lab the web is evolved from unstyled content to a reasonably elegant and clean design - using semantic html element where appropriate. s on Oct 25, 2015



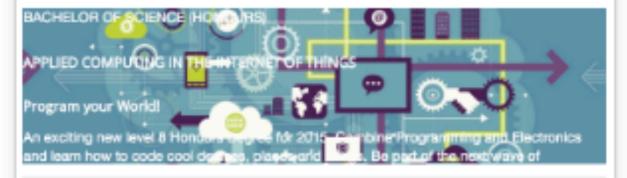
#### Lab-6a Semantic UI



Department of Computing & Mathematics







#### Programming

Learn a broad range of programming and problem solving skills, including exciting new platforms, software tools and languages. Use these skills to build apps for mobile, cloud and device based loT applications. Evolve a porfolio of facinating aplications.

#### Data Science

At the heart of many loT applications is data: measurements, events alarms and other information that must be relayed, stored and ultimately turned into knowledge. Learn the fundamentals of modern approaches to data in this stored.

#### Devices

The 'Things' we connect to are often physical devices. These can range from simple temperature sensors to sophisticated control systems like traffic lights or cameras.

Connecting to and interacting with the physical world is the subject of this strand.

Rebuild the iot web site using semantic-ui

