

EMBEDDING CONTENT ON A WEBPAGE

WEBDEV@RGU

When creating web applications, it is common to try and include information from third party sites through the use of APIs.

These APIs (Application Protocol Interfaces) can be used to improve the overall experience of your site and to give it access to data (and functionality) that you may not be able to create by yourself.

This tutorial examines 4 different simple APIs that exist and how you can include these on your websites.

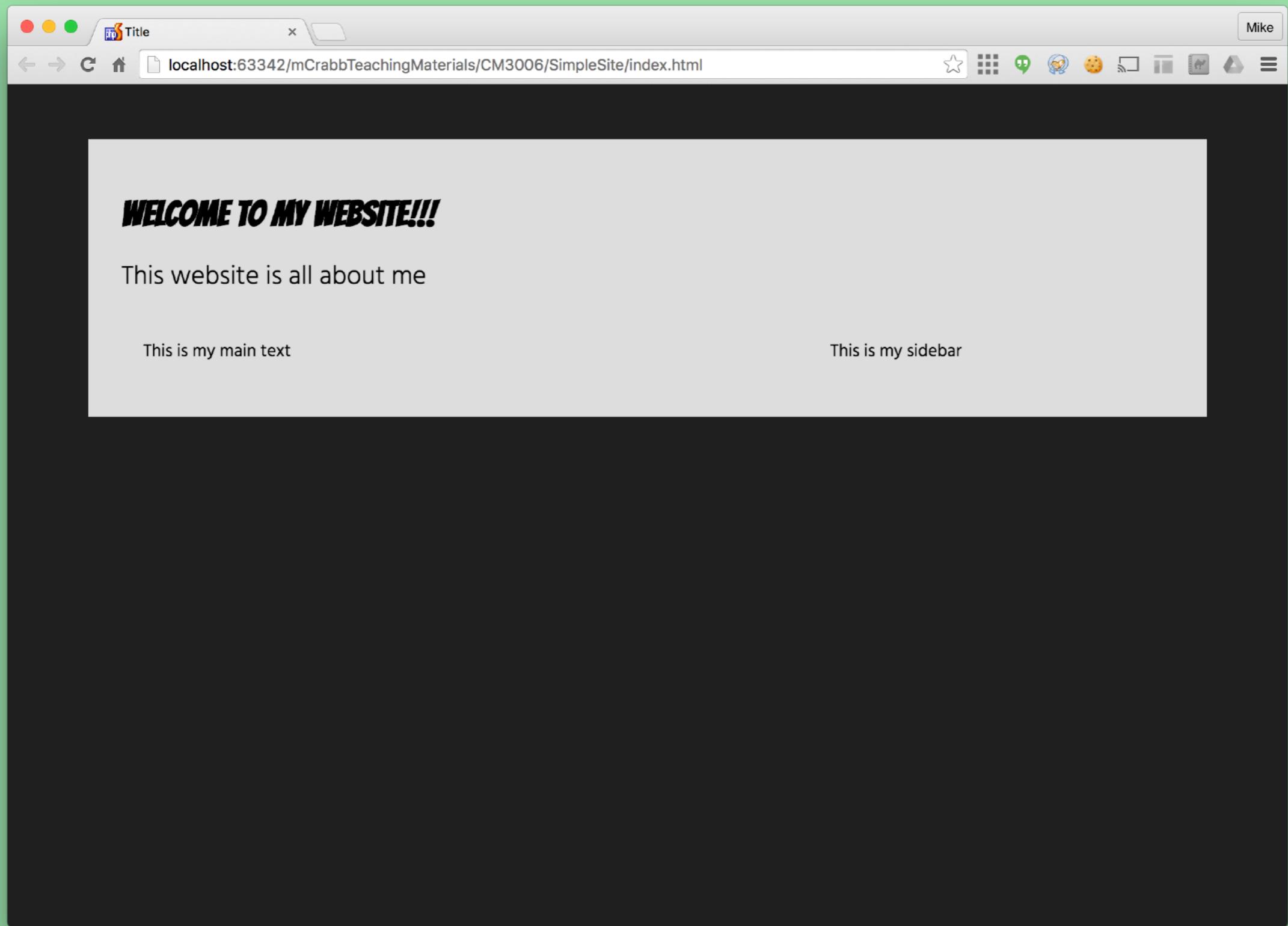
There are about 50,000 public APIs available, check out www.programmableweb.com

TWITTER

GOOGLE MAPS

YOUTUBE

FACEBOOK



This is the sample website that we will be using today

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Title</title>
  <link rel="stylesheet" href="style.css">
  <link href='https://fonts.googleapis.com/css?family=Hind:400,300|Bangers' rel='stylesheet' type='text/css'>
  <link rel="stylesheet" href="unsemantic-grid-responsive-tablet.css">
</head>
<body>
<main>
<header>
  <h1>Welcome to my website!!!</h1>
  <h2>This website is all about me</h2>
</header>
  <section class="grid-container">
    <div class="grid-66"><p>This is my main text</p></div>
    <div class="grid-33"><p>This is my sidebar</p></div>
  </section>
</main>
</body>
</html>
```

Here's the code for it. Nothing overly complicated about it.

TWITTER



Curate a story with Twitter

What would you like to embed?

Enter a Twitter URL



Or browse your options below

Goto publish.twitter.com (use your own account, any other or mine
@stmassie)

That's all you need, unless you'd like to customize other options.
By embedding Twitter content in your website or app, you are agreeing to the [Developer Agreement](#) and [Developer Policy](#).

Tweets by stmassie [Copy Code](#)

Tweets by @stmassie

stewart massie Retweeted
Dr Rachael Ironside @DrIronside

Delighted to co-host our #digital #storytelling symposium today chaired by @RobertGordonUni and @NordicUHI. Thank you to everyone for contributing to a fascinating discussion and our fantastic speakers @drkmurch @BanffshireProf @Val_Bold! @news_RSE @ThinkUHI @RGUOrkney


ROBERT GORDON UNIVERSITY ABERDEEN University of the Highlands and Islands Orkney College Ullapool RSE The Royal Society of Edinburgh

Angle of Vision: Storytelling on the cosmic tide?
Orkney Digital Storytelling Symposium

Jan 28, 2021

stewart massie @stmassie

An entire Computer Science Curriculum in 1000 YouTube Videos laconicml.com/computer-scien...
via @@laconicml

Copy this code here

- note page layout may have changed, but code should be available
- The example above is an embedded timeline for my account @stmassie
- Try setting some of the custom options.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Title</title>
    <link rel="stylesheet" href="style.css">
    <link href='https://fonts.googleapis.com/css?family=Hind:400,300|Bangers' rel='stylesheet' type='text/css'>
    <link rel="stylesheet" href="unsemantic-grid-responsive-tablet.css">
</head>
<body>
<main>
<header>
    <h1>Welcome to my website!!!</h1>
    <h2>This website is all about me</h2>
</header>
<section class="grid-container">
    <div class="grid-66"><p>This is my main text</p></div>
    <div class="grid-33">
        <!--TWITTER CODE STARTS -->
        <a class="twitter-timeline" href="https://twitter.com/mike_crabb" data-widget-id="720617735277907968">Tweets by @mike_crabb</a>
        <script>!function(d,s,id){var js,fjs=d.getElementsByTagName(s)[0],p=/^http:/.test(d.location)?'http':'https';if(!d.getElementById(id)){js=d.createElement(s);js.id=id;js.src=p+"://platform.twitter.com/widgets.js";fjs.parentNode.insertBefore(js,fjs);}}(document,"script","twitter-wjs");</script>
        <!-- TWITTER CODE ENDS -->
    </div>
</section>
</main>
</body>
</html>
```

WELCOME TO MY WEBSITE!!!

This website is all about me

This is my main text

Tweets by @mike_crabb

Michael Crabb Retweeted

 Scotch Development
@scotch_io

That makes 5 site designs in 2.5 years! Maybe we're crazy. Announcing Scotch.io v5, The Pub, and Scotch School buff.ly/1RMS7Ka



Announcing Scotch.io v5
And the Future of Scotch

Announcing Scotch.io v5, The Pub, and Scotch S...

Let's take a little trip down memory lane real quick rev...
scotch.io



10 Apr

Michael Crabb Retweeted

 Shit Academics Say
@AcademicsSay

Acceptable reactions to speaker time warning:
1. Subtle head nod

We now have a twitter stream at the side of our page, with very little effort to create it!

GOOGLE MAPS

Widgets Configurator Robert Gordon University

<https://www.google.co.uk/maps/place/Robert+Gordon+University+Aberdeen,+Garthdee+Campus/@57.118419,-2.1432108,17z/data=!3m1!4b1!5l1>

Robert Gordon University

RGU
ABERDEEN

Robert Gordon University
Aberdeen, Garthdee Campus

4.8 ★★★★☆ 29 reviews

University

SAVE NEARBY SEND TO YOUR PHONE SHARE

Garthdee House, Garthdee Road, Aberdeen AB10 7QB
rgu.ac.uk
01224 262000
Suggest an edit

20 Photos

Add a photo

Map data ©2016 Google Terms Privacy Send feedback 50 m

Widgets Configurator Robert Gordon University

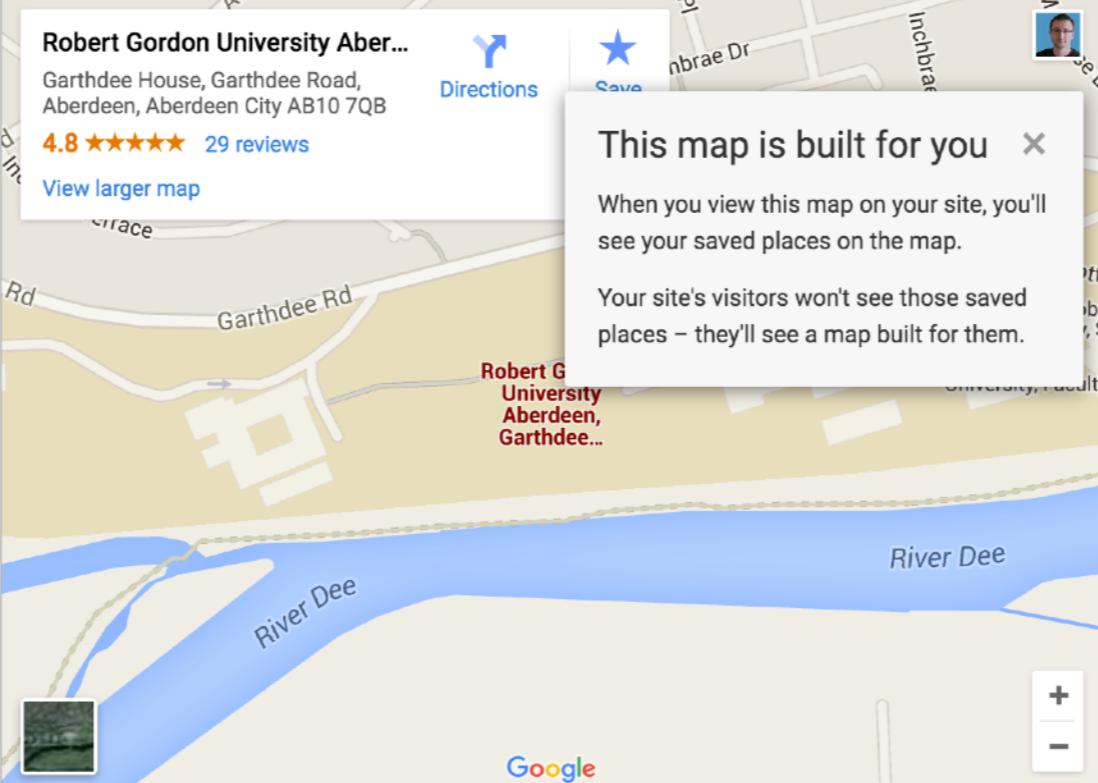
<https://www.google.co.uk/maps/place/Robert+Gordon+University+Aberdeen,+Garthdee+Campus/@57.118419,-2.1432108,17z/data=!3m1!4b1!5l1>

Share link | Embed map

Medium

```
<iframe src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d2166
```

Robert Gordon University Aberdeen
Garthdee House, Garthdee Road, Aberdeen, Aberdeen City AB10 7QB
4.8 ★★★★★ 29 reviews
[View larger map](#)

Directions | Save | 

This map is built for you

When you view this map on your site, you'll see your saved places on the map.

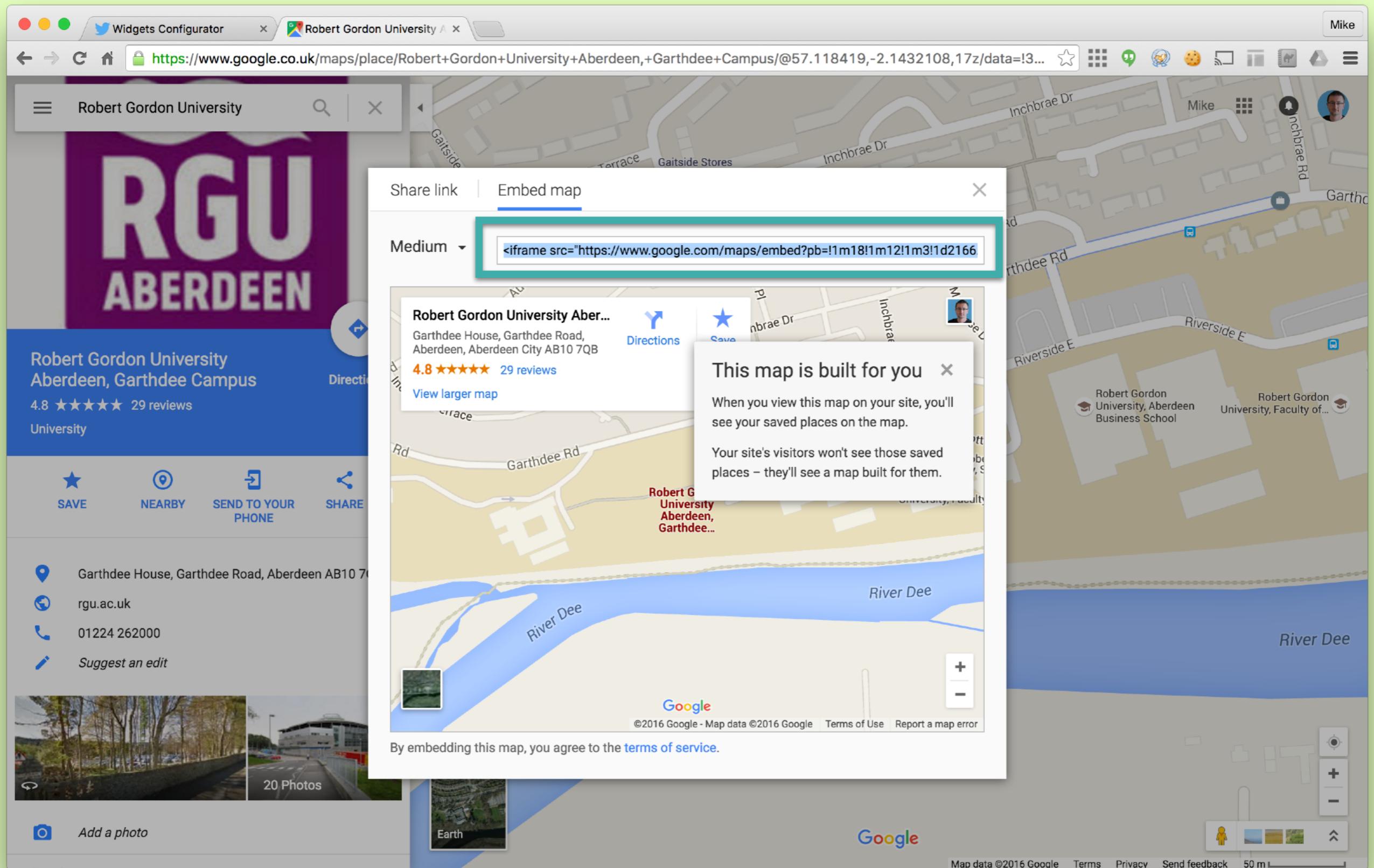
Your site's visitors won't see those saved places – they'll see a map built for them.

By embedding this map, you agree to the [terms of service](#).

Google ©2016 Google - Map data ©2016 Google | Terms of Use | Report a map error

Add a photo

Map data ©2016 Google | Terms | Privacy | Send feedback | 50 m



```
<!DOCTYPE html>
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  <link href='https://fonts.googleapis.com/css?family=Hind:400,300|Bangers' rel='stylesheet' type='text/css'>
  <link rel="stylesheet" href="unsemantic-grid-responsive-tablet.css">
</head>
<body>
<main>
<header>
  <h1>Welcome to my website!!!</h1>
  <h2>This website is all about me</h2>
</header>
  <section class="grid-container">
    <div class="grid-66">
      <h3>Want to see where I work - its a fun place!</h3>
      <!--GOOGLE MAP CODE STARTS -->
      <iframe src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d2166.0903504023904!2d-2.1432107841174592!3d57
.11841899330936!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x488410483d2f0941%3A0x5d8969688e77366a!2sRobert+Gordon+University+Aberdeen
%2C+Garthdee+Campus!5e0!3m2!1sen!2suk!4v1460643848350" width="600" height="450" frameborder="0" style="border:0" allowfullscreen></iframe>
      <!--GOOGLE MAP CODE ENDS -->
    </div>

    <div class="grid-33">
      <!--TWITTER CODE STARTS -->
      <a class="twitter-timeline" href="https://twitter.com/mike_crabb" data-widget-id="720617735277907968">Tweets by @mike_crabb</a>
      <script>!function(d,s,id){var js,fjs=d.getElementsByTagName(s)[0],p=/^http:/.test(d.location)?'http':'https';if(!d.getElementById(id)){js=d.createElement(s);js.id=id;js.src=p+"://platform.twitter.com/widgets.js";fjs.parentNode.insertBefore(js,fjs);}}(document,"script",
"twitter-wjs");</script>
      <!-- TWITTER CODE ENDS -->
    </div>
  </section>
</main>
</body>
</html>
```

pp Title Mike

localhost:63342/mCrabbTeachingMaterials/CM3006/SimpleSite/index.html

WELCOME TO MY WEBSITE!!!

This website is all about me

WANT TO SEE WHERE I WORK - ITS A FUN PLACE!

Robert Gordon University Aberdeen
Garthdee House, Garthdee Road, Aberdeen, Aberdeen City AB10 7QB
4.8 ★★★★☆ 29 reviews
[View larger map](#)

Directions Save

Robert Gordon University Aberdeen, Garthdee...

Riverside E

RGU Sport

Robert Gordon University, Faculty

Robert Gordon University, S

Inchbrae Rd

Garthdee Rd

Garthdee Rd

Rd

Garthdee Rd

River Dee

Google

©2016 Google - Map data ©2016 Google Terms of Use Report a map error

Tweets by @mike_crabb

Michael Crabb Retweeted  Scotch Development @scotch_io That makes 5 site designs in 2.5 years! Maybe we're crazy. Announcing Scotch.io v5, The Pub, and Scotch School buff.ly/1RMS7Ka



Announcing Scotch.io v5 And the Future of Scotch

Announcing Scotch.io v5, The Pub, and Scotch S... Let's take a little trip down memory lane real quick rev... scotch.io

10 Apr

Michael Crabb Retweeted  Shit Academics Say @AcademicsSay Acceptable reactions to speaker time warning:
1. Subtle head nod

RGU Campus - Aerial View

Robert Gordon University

Subscribe 81

947 views

Published on 4 Feb 2016

Robert Gordon University provides industry led undergraduate and postgraduate courses leading to highly relevant awards and degrees. Our beautiful riverside campus provides all of our students and staff with state-of-the-art teaching and learning facilities. Find out more about our university on our website

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COMMENTS

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Embed

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Twitter

Email

카카오스토리

reddit

COPY

Start at 0:21

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Welcome to Robert Gordon University Aberdeen

Robert Gordon University 7,666 views

24 Hours after a Formula One race (Behind The Scenes)

Red Bull Racing Recommended for you

WTF!

F1 2015 SLOWEST CAR CHALLENGE

Tiametmarduk Recommended for you

NOT AGAIN

F1 2015 Slowest Car Challenge: SURVIVE xMattyG!

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CAREER

F1 2016 Season Mod Career Part 1: Australia | Haas F1 Team

aarava Recommended for you

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Aberdeen Business School: Just another day of a Robert Gordon University student...

paolettiemiliozanini 8,829 views

Student Life At RGU

Robert Petrie 5,888 views

Select share then embed - copy code

RGU Campus - Aerial View

<https://www.youtube.com/watch?v=Ps11CDkNS44&ebc=ANyPxKPlku2EorR9Glr4F1WCWHKC9v78ie-zh6...>

YouTube GB

Up Next Autoplay

Welcome to Robert Gordon University Aberdeen

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Robert Gordon University

Subscribe 781

947 views

Add to Share More

Like 0 Dislike 0

Share Embed Email

```
15" src="https://www.youtube.com/embed/Ps11CDkNS44" frameborder="0" allowfullscreen></iframe>
```

Show More

Published on 4 Feb 2016

Robert Gordon University provides industry led undergraduate and postgraduate courses leading to highly

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Title</title>
  <link rel="stylesheet" href="style.css">
  <link href='https://fonts.googleapis.com/css?family=Hind:400,300|Bangers' rel='stylesheet' type='text/css'>
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.11841899330936!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x488410483d2f0941%3A0x5d8969688e77366a!2sRobert+Gordon+University+Aberdeen
%2C+Garthdee+Campus!5e0!3m2!1sen!2suk!4v1460643848350" width="600" height="450" frameborder="0" style="border:0" allowfullscreen></iframe>
      <!--GOOGLE MAP CODE ENDS -->
      <h2>Here's a video of it! A flying man made by me!</h2>
      <!--Youtube CODE STARTS -->
      <iframe width="560" height="315" src="https://www.youtube.com/embed/Ps11CDkNS44" frameborder="0" allowfullscreen></iframe>
      <!--Youtube CODE ENDS -->
    </div>

    <div class="grid-33">
      <!--TWITTER CODE STARTS -->
      <a class="twitter-timeline" href="https://twitter.com/mike_crabb" data-widget-id="720617735277907968">Tweets by @mike_crabb</a>
      <script>!function(d,s,id){var js,fjs=d.getElementsByTagName(s)[0],p=/^http:/.test(d.location)?'http':'https';if(!d.getElementById(id)){js=d.createElement(s);js.id=id;js.src=p+"://platform.twitter.com/widgets.js";fjs.parentNode.insertBefore(js,fjs);}}(document,"script",
"twitter-wjs");</script>
      <!-- TWITTER CODE ENDS -->
    </div>
  </section>
</main>
</body>
</html>
```

localhost:63342/mCrabbTeachingMaterials/CM3006/SimpleSite/index.html

Mike

4.8 ★★★★ 29 reviews

View larger map

Robert Gordon University Aberdeen, Garthdee...

Riverside E

Garthdee Rd

Garthdee Rd

RGU Sport

Robert Gordon University, Faculty

Robert Gordon University, S

Robert Gordon University, Faculty

Garthdee Rd

Garthdee Rd

River Dee

Google

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HERE'S A VIDEO OF IT! A FLYING MAN MADE IT

RGU Campus - Aerial View

That makes 5 site designs in 2.5 years! Maybe we're crazy. Announcing Scotch.io v5, The Pub, and Scotch School buff.ly/1RMS7Ka

Announcing Scotch.io v5
And the Future of Scotch

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Let's take a little trip down memory lane real quick rev... scotch.io

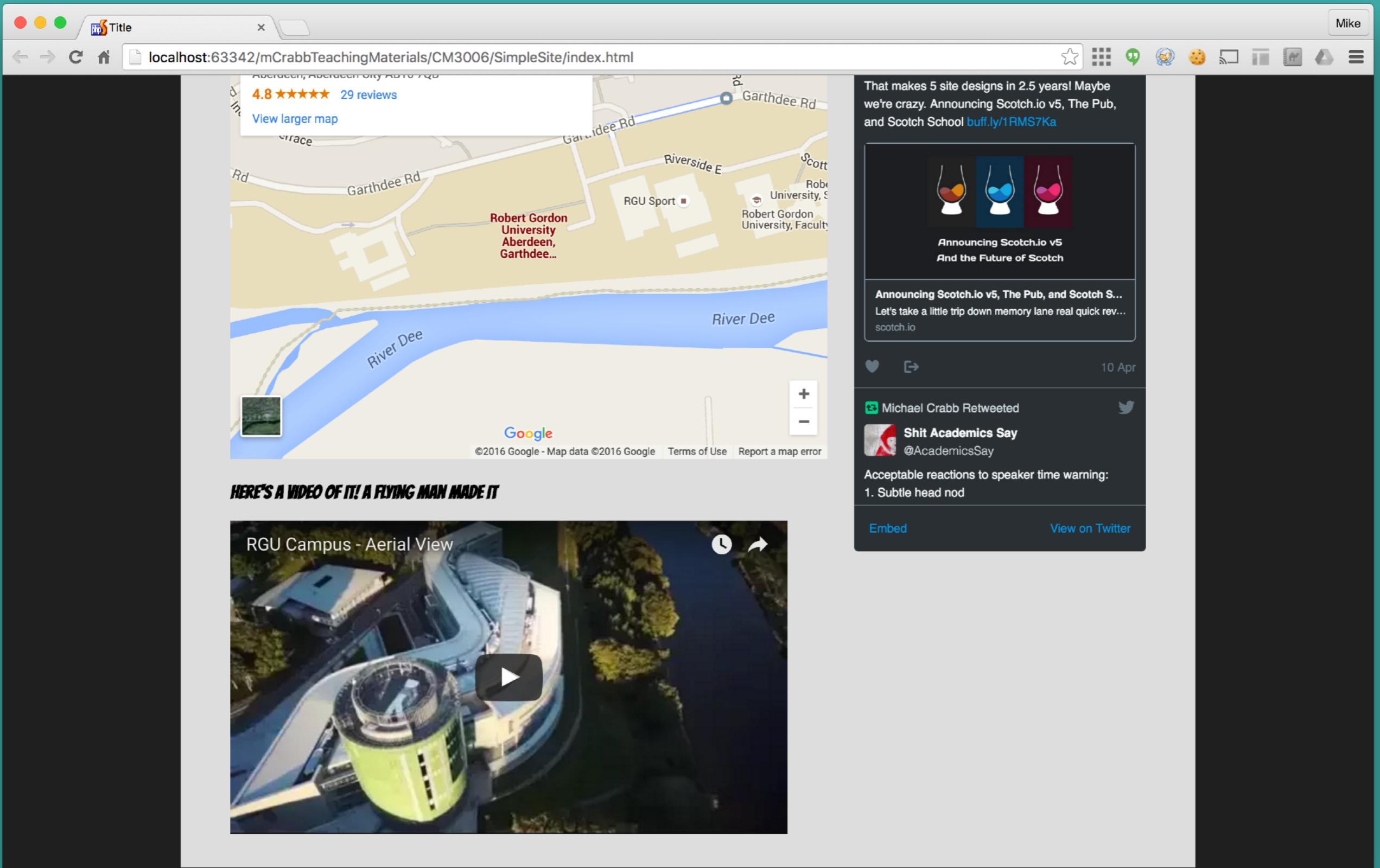
10 Apr

Michael Crabb Retweeted

Shit Academics Say @AcademicsSay

Acceptable reactions to speaker time warning:
1. Subtle head nod

Embed View on Twitter



FACEBOOK

process, please refer to [this Developer Blog post](#). Thank you!**Social Plugins**

- [Comments](#)
- [Embedded Comments](#)
- [Embedded Posts](#)
- [Embedded Videos](#)
- [Group Plugin](#)
- [Like Button](#)
- [**Page Plugin**](#)
- [Save Button](#)
- [Share Button](#)
- [oEmbed](#)
- [oEmbed \(Legacy\)](#)
- [Child-Directed Sites](#)
- [FAQs](#)
- [Deprecated](#)

Page Plugin

The Page plugin lets you easily embed and promote any public Facebook Page on your website. Just like on Facebook, your visitors can like and share the Page without leaving your site. You can use the Page plugin for any Page that is not restricted, for example, by country or age.



Related Topics: [Social Plugins](#) [FAQs](#) | [Other Social Plugins](#)

Facebook Page URL

Tabs

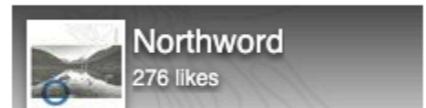
Width

Height

 Use Small Header

 Adapt to plugin container width

 Hide Cover Photo

 Show Friend's Faces


Select timeline from public page e.g. <https://www.facebook.com/storicalstories> or <https://www.facebook.com/BrewToon>

On This Page

[Page Plugin](#)[Settings](#)[Adding the Page Plugin to a Website](#)[Call to Action](#)[Page Tabs: Timeline, Events & Messages](#)[Adding Multiple Tabs](#)[Single Tab](#)[Adaptive Width](#)[No Dynamic Resizing](#)[Show Friend's Faces](#)[Privacy Restricted Pages](#)[Changing the Language](#)

The pixel width of the embed (Min. 180 to Max. 500)

The pixel height of the embed (Min. 70)

Page Plugin

Settings

Adding the P
Website

Call to Actio

Page Tabs:
Messages

Adding Mu
Single Tab

Adaptive Wi

No Dynam

Show Friend

Privacy Rest

Changing th

Use Small Header

Hide

JavaScript SDK IFrame

Adapt to plugin container width



Step 1: Choose your App ID and Language

Orkney Folklore Trails ▾

English (UK) ▾

Step 2: Include the [JavaScript SDK](#) on your page once, ideally right after the opening body tag.

```
<div id="fb-root"></div>
<script async defer crossorigin="anonymous"
src="https://connect.facebook.net/en_GB/sdk.js#xfbml=1&version=v13.0&appId=1158
024854385631&autoLogAppEvents=1" nonce="uvKAIiot"></script>
```

Step 3: Place this code wherever you want the plugin to appear on your page.

```
<div class="fb-page" data-href="https://www.facebook.com/BrewToon" data-
tabs="timeline" data-width="" data-height="" data-small-header="false" data-
adapt-container-width="true" data-hide-cover="false" data-show-facepile="true">
<blockquote cite="https://www.facebook.com/BrewToon" class="fb-xfbml-parse-
ignore"><a href="https://www.facebook.com/BrewToon">Brew Toon Microbrewery</a>
</blockquote></div>
```



Get Code

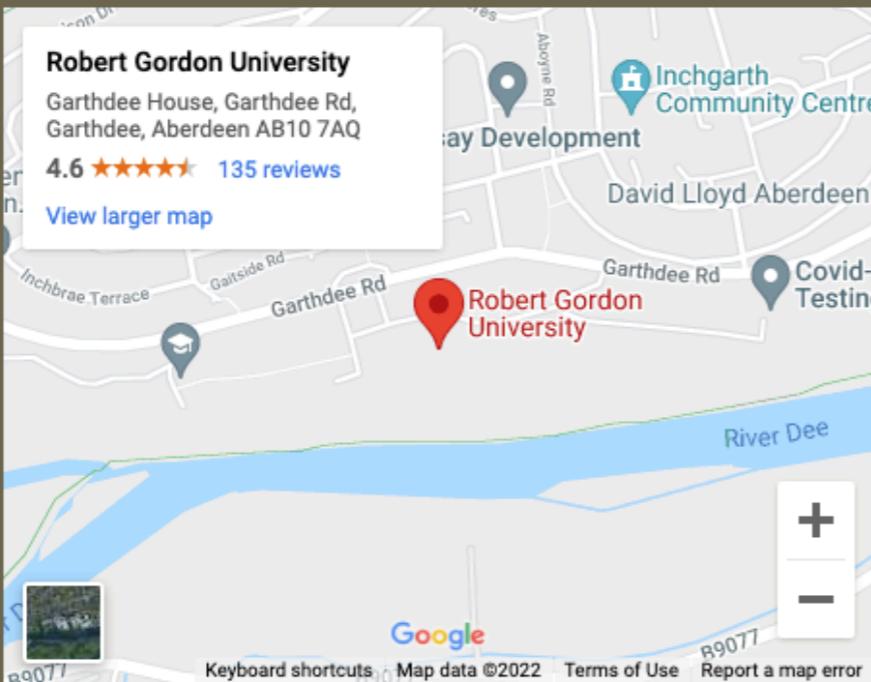
Settings

Select Get Code and copy iFrame or JS code into your

```
Week5 > index.html > html > head > title
40 |     <iframe
41 |         width="450"
42 |         height="275"
43 |         src="https://www.youtube.com/embed/AbLtvHmVns"
44 |         title="YouTube video player"
45 |         frameborder="0"
46 |         allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture"
47 |         allowfullscreen
48 |     ></iframe>
49 |     <!-- Youtube code ends-->
50 | </div>
51 | <div class="grid-25">
52 |     <h2>My Tweets</h2>
53 |     <!--Twitter code start -->
54 |     <a
55 |         class="twitter-timeline"
56 |         data-height="700"
57 |         data-theme="dark"
58 |         href="https://twitter.com/stmassie?ref_src=twsrc%5Etfw"
59 |         >Tweets by stmassie</a>
60 |     >
61 |     <script
62 |         async
63 |         src="https://platform.twitter.com/widgets.js"
64 |         charset="utf-8"
65 |     ></script>
66 | </div>
67 | <div class="grid-25">
68 |     <h2>My Research</h2>
69 |     <!--Facebook code start -->
70 |     <iframe
71 |         src="https://www.facebook.com/plugins/page.php?href=https%3A%2F%2Fwww.facebook.com%2Fnorthwordstorytagging&tabs=timeline&width=225&height=700"
72 |         width="225"
73 |         height="700"
74 |         style="border: none; overflow: hidden"
75 |         scrolling="no"
76 |         frameborder="0"
77 |         allowfullscreen="true"
78 |         allow="autoplay; clipboard-write; encrypted-media; picture-in-picture; web-share"
79 |     ></iframe>
80 | </div>
81 | </section>
82 | </main>
83 | </body>
84 | </html>
```

Welcome to my site!!

This is where I work



Here is a video of it made by a drone



My Tweets

Tweets by @stmassie

 stewart massie @stmassie Enterprise Masterclass – Why startups fail? with Mark Logan, former COO ... youtu.be/Beod7CyY3Fg via @YouTube Some great tips from Mark.

 YouTube @YouTube 

Like Retweet Sep 20, 2021

 stewart massie Retweeted  School of Computing @ComputingRGU 3MT - First Prize Goes to School of Computing! We are delighted to announce that one of our PhD students, Ashish Upadhyay, has won the Three Minute Thesis competition and now has the opportunity to represent #RGU at the national stage of the competition

Embed View on Twitter

My Research

 Northword 276 likes 

 Northword on Wednesday 

Join some of our Northword team and creatives at the Culbin: the disappeared village exhibition taking place on Saturday 19th February at Elgin Library. As part of Scotland's Year of Stories this event is supported by @EventScotNews @HeritageFundUK @MuseumsGalScot and will bring to life the stories of Culbin. This free event will include a story exhibition, storytelling and children's craft activities, local history talks and a chance to meet Northword creatives Izzy Thomson, Fiona Percy, Annie MacDonald and jenny Johnstone. More information and booking at www.culbinstories.com #YS2022

THERES A LOT MORE OUT
THERE THAT YOU CAN USE
AS WELL

SOUNDCLOUD

MSACCOUNT

GITHUB

PICAS

YAHOO

...