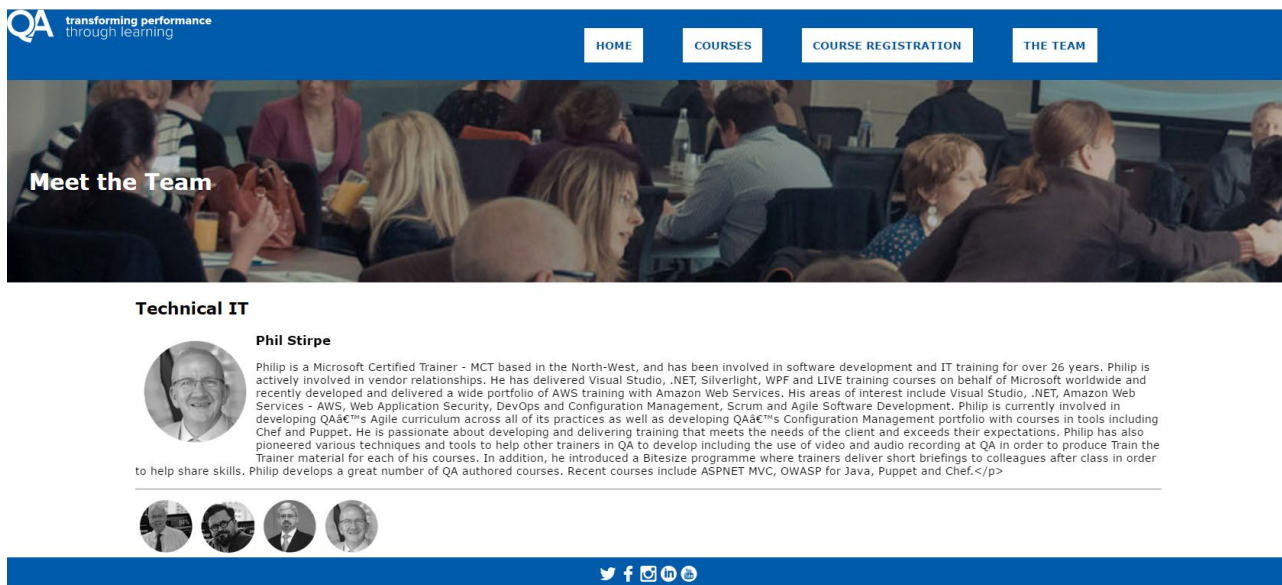


# Exercise 15 – Events

## Objective

In this exercise, we are going to take a static HTML page and create an event driven interactive feature for our users to enjoy.



## Exercise instructions

### Part 1 – Creating the thumbnails

1. Open `app.js` and note that an array has been created for you containing all of the data we'll need for our instructors, one object literal for each.
2. Open `team.html` and note that there is an article element for each instructor already in existence. Delete all but the first one, including all but the first the `<hr>` elements.
3. Below the `<hr>` element that now remains beneath Adrian's team profile, create a new section element with an id of "thumbnailGallery".
4. First of all we want to populate the thumbnail gallery with small images representing each profile. The CSS has already been handled, so all we need to worry about is the JavaScript and HTML.  
In `app.js` create a variable called `thumbnailGallery` and use the appropriate code to pass it a reference to the HTML element of that id.
5. Create a for loop which iterates over every element of our members array and creates a new image element with a `src` drawn from the array, an `alt` attribute equal to "Profile picture for name" with their name, a class of "thumbnailPics" and an id equal to the value of the counter you're using for the for loop.
6. Before closing the for loop, insert the newly created image into the thumbnail gallery using the `appendChild` function.

## Part 2 – Adding our event handlers

We are now going to subscribe each thumbnail to an event listener, so that when you click on a thumbnail, the appropriate profile loads into the article.

7. In the for loop we created earlier, subscribe each new image to listen for a click event which calls a function "loadMember" and pass in the id of the element that has been clicked. Remember, we set the id of each element to be their index in the array, so this will be very helpful!
8. Now create the function loadMember, accepting the parameter you passed in during the call as the 'i' variable.
9. The first thing we want to do is get hold of all the elements we need to update on click. That's the image, the h3 and the paragraph all within the article. Create the variables "memberImage", "h3", and "para" and assign them all references to the right elements.
10. Change the src property of the memberImage variable, so that it is equal to the src property of the relevant object in the members array (this will be members[i]). Similarly, update its alt property.
11. Change the inner text of the h3 element, so that it is equal to the member's name.
12. Change the inner text of the para element, so that it is equal to the member's bio.

## Further activities

If you have time, you will notice that Adrian's details appear twice. Once in the HTML and once in the JS. It's the matter of bytes but it's not very DRY, so amend your JS, so that we do not need to have Adrian's details in the HTML at all.