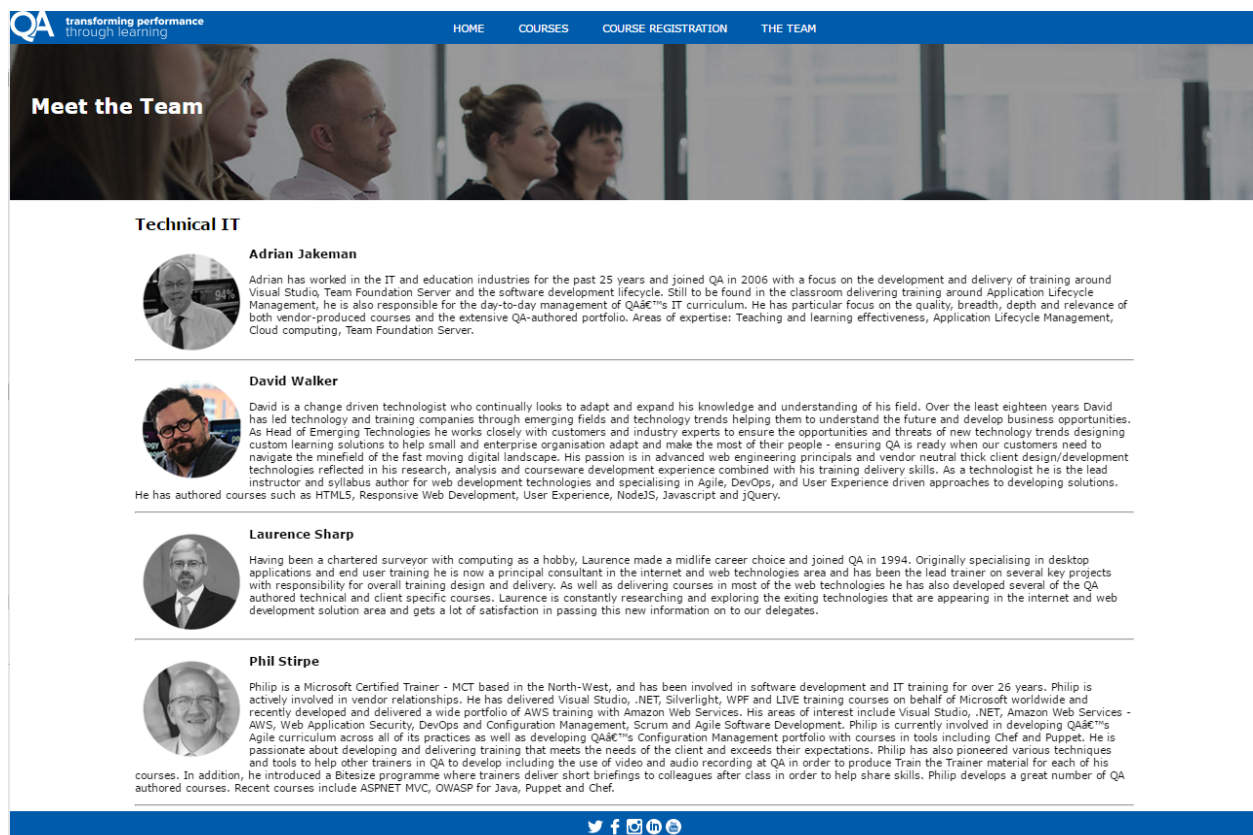


# Exercise 9 – Transitions, Transformations and Animations

## Objective

During this exercise, we are going to use transitions and transforms to breathe life into our website. First on the Meet the Team page, we will add some dynamic effects and then we will work on a Footer to append across the site with animating social media icons. By the end of the exercise, we should have something that resembles the below page:



## Exercise Instructions

### Part 1 – Adding life to the Meet the Team page

Currently, our website is rather flat with little interactivity. We're going to change that now.

1. Note on the team page that there are images associated with each team member. We want to be able to select these in CSS, but right now, there is little to distinguish them from any other image that may appear in our content, so add a class of `profilePics` to each of the images.
2. Using the appropriate selector apply a greyscale filter to the images.

```
-webkit-filter: grayscale(100%);
```

```
Filter: grayscale(100%);
```

3. Check your work in the browser. The profile images should now all be in grayscale.
4. Create another selector for the hover state of the images and set the grayscale to 0%. Check it in your browser – when you mouseover each image, they should now switch back to full colour.
5. This kind of sudden change is ok if not a bit jarring, so we can use our transition skills to smooth out the change. Add a transition to the appropriate selector to take place on all properties over 1 second.
6. Check your work in the browser and you should find each image now smoothly transitions to full colour when you hover over them.
7. We can improve this yet further. Wrap each profile (img, heading and paragraph) in an article and give them a class of teamProfiles.
8. Change the .profilePics filter to “inherit” and remove the rules regarding the hover state.
9. Add a selector for the teamProfiles class and set a grayscale filter to 100%.
10. Add a selector for the hover state of the teamProfiles class and set a grayscale filter to 0%.
11. Check your work in the browser and you should find that by hovering over any part of the team members profile their image transitions from greyscale to full colour.

## Part 2 – Creating a Footer

In this section, we're going to create a simple footer for our web pages, which will include social icons with transformations applied to them.

1. Open index.html and find the comment "insert footer here" at the bottom of the document.
2. We no longer need Sheldon Cooper's contact details or the link to the Courses page, so go ahead and delete that content.
3. Insert a new footer element after the close of the main element.
4. Insert our five social images and give them a class of socialIcons.
5. Add suitable styles to our stylesheet to set the footer's height to 3em, its background colour to #005BAB and centre the images horizontally.
6. We also need to constrain our SVG images, so create a suitable selector for those and set their height to 50%, then view the page in your browser.
7. Wouldn't it be nice if those icons were horizontally centred as well? There are a number of ways to achieve this, today we're going to use transformations.
8. Set the social icons to have a relative position and change the top property to 50%. You'll see in the browser this moves them away from the top of the footer by half its height.
9. The top of the social icons are now aligned with the centre of the footer. If we can move them back up the page by 50% of their own height, the centre of the icons will align with the centre of the footer. We can use translateY(-50%) to achieve this.
10. Now that we have some wonderfully centred social media icons, let's add some dynamism!
11. We want to increase the size of the icons when hovered over by 20%, so create a selector and add a suitable transform. Bear in mind that you need to account for the fact that we do not wish to lose the earlier transform we used to centre the icon.
12. Add a transition to the icons, so that the transform takes place over a small amount of time – I suggest 0.2s but use whatever time you feel looks most pleasing.
13. If you have time, insert the footer into each page on the site and test in your browser. You will find one page does not behave as intended and so, you will need to rectify.