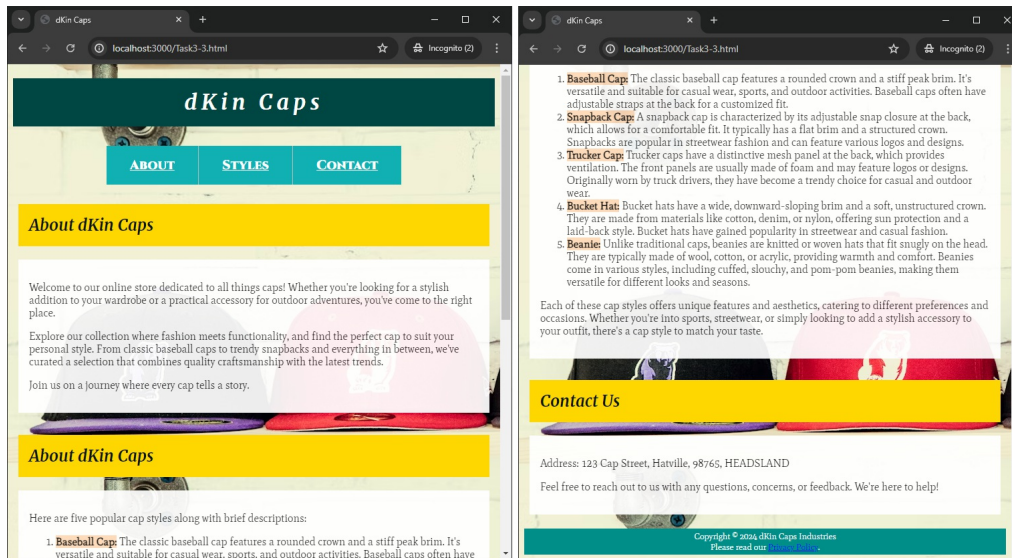# 3.3C: CSS for background image, pseudo class and shadows

Tasks

In this task a further set of styles will be applied to the various elements within the web page. An example of the *sample* output is shown in the figure below:

Task3.3 Example Page

Some research into some of the various CSS properties and controls will be required for this task. Please review the following resources:

- https://www.w3schools.com/cssref/
- https://developer.mozilla.org/en-US/docs/Web/CSS/Reference
- https://www.w3schools.com/cssref/tryit.asp?filename=trycss_sel_firstletter
- https://www.w3schools.com/cssref/playit.asp?filename=playcss_box-shadow

The additional styles added to this page include:

Rules For the *body* section

- Add a background image that is shown behind all the content of the website, explore the `background-image` rule to do this. In the example above uses an image from the web (as shown below) or your could use your own:

  - `url("https://images.unsplash.com/photo-1569520045266-66f21ad8a4be?q=80&w=1470&auto=format&fit=crop&ixlib=rb-4.0.3&ixid=M3wxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8fA%3D%3D")`

- We would also like the image to be fixed, i.e., not scrolling as the window scrolls. Look at the `background-attachment` rule.
- Finally, keeping the background colour from Task 3-2P, we also want to *blend*

with this image. Review the `background-blend-mode` rule.

Rules For the `section` sections

- The borders no longer look nice, so we want to remove them from the `section`.
- Improving the layout, adding space between the sections is needed, add `0.8em` units of `padding` to the bottom of the `section`.

Rules For the `main` section

- Spacing around the *headings* is needed. Add `1.0rem` to the *left* and *right* padding of the `h2, h3` rules.
- The sections of content should be composed of the heading and the content, you have been provided with a new `Task3-3.html` file in the resource folder which wraps the *content* up in a `div` that has a class `content` applied. Given this, set the `padding` for the `h1, h2, .content` to be `1.0rem` for all top, left, right and bottom.
- Add a `.content` rule to set the background color to `white` and the `opacity` to `0.93`.

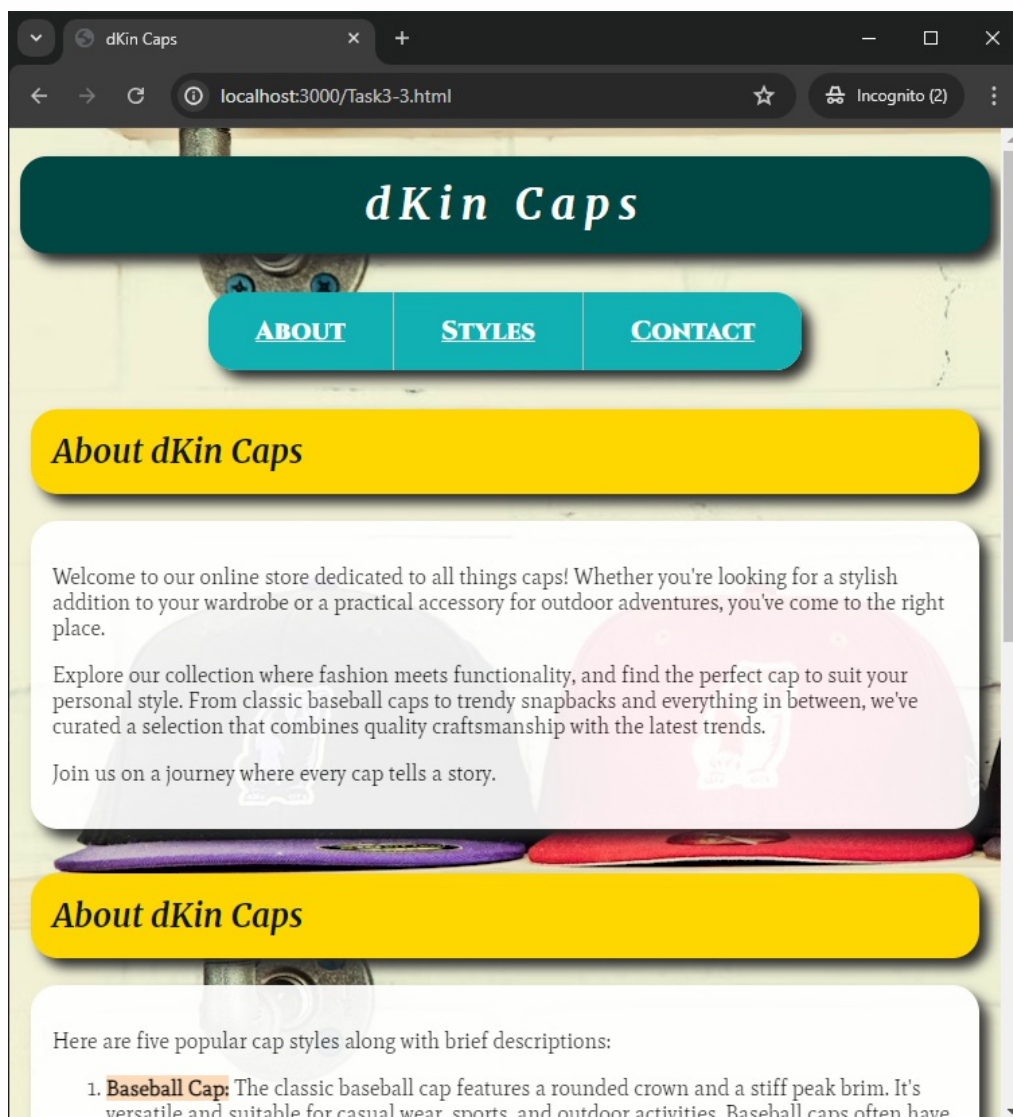### Rules For the `nav` section

- To start, in the `nav` element style we need to set the `display` property to `flex` and the `justify-content` to `center`
- Within the `nav` element only we want the unordered list `ul` to have the following:

  - `list-style-type` set to `none`
  - `margin` and `padding` set to `0` for all sides
  - `overflow` set to `hidden`
  - `display` set to `table`

- Within the `nav` element only, we want the `li` elements to have:

  - `float` set to `left`
  - `border-right` set to a solid 1px wide line of grey color.

- Add an extra rule for within the `nav` only a `li:last-child` rules for:

  - `border-right` set to `none`

- The menu items in the `nav` block are implemented changing the styles of the `a` element. Here the `a` rules have the following settings:

  - The color of the text is `white`
  - The background color is `#11b1b3`
  - The `display` is set to `block`
  - Aliging the text for these to `center`
  - The `padding` left and right set to `2.2rem` and the top & bottom set to

`1.0rem`

- Finally, we want the event handler for the `hover` on these navigation links to change (swap) the colour. So, within the `nav` element for the pseudo css rule `a:hover` apply the properties to be `color` is `#11b1b3`, the `background-color` is `#ffffff` and the `border` is set to `1px solid #0eb482`

Additional `shadow.css` file

- Finally, you will note that each of the content sections (`h1`, `h2`, `.content`, `nav ul`) have a *drop shadow* applied to it. This gives the page a sense of *depth*. This type of effect is also used with *buttons* in a webpage when they are 'pressed'. Here, explore the references on applying a `box-shadow` to an element and create such an effect in your example. A `border` and `border-radius` has also been applied. Note: this rule has been created in it's own CSS file, i.e., `shadows.css` that is also linked into the webpage, enabling the effect to be used across multiple web pages.

Task3.3 Example Page with Added Effects

Steps:

1. Start by downloading the updated HTML file `task3-3.html` from the Resources link.
2. Copy the `styes3-2.css` file to `styles3-3.css` and use this new style file in your new webpage.
3. Extend and modify the rules within your new styles file to address the requirements listed in the table above.
4. Create a new style file `shadows.css` and link this into your webpage file.
5. Implement and apply the *drop shadow* features described above.

What will you submit?

You should submit:

- One screen-shot of your final web page showing the application of the updated style rules, classes and shadows.
- Your updated `task3-3.html` file showing the linking to the *two* new external style rules files.
- Your updated `style3-3.css` file.
- Your new `shadow.css` file.