

Week 3 Practical Exercises

Note:

- Some of these exercises will be assessed as part of the Practical Set 1 submission, and therefore may be part of Checkpoint 1 in week 4 practical class.
- Include HTML comments for your student ID, Name, and Practical Class Time at the top of each source file created.
- All files must be uploaded to your TWA web site before submission of Practical Set 1.

Objectives:

- Become proficient in writing and applying simple CSS to HTML documents
- Complete exercises 1, 2 below and upload the solution to your TWA web site in the **Practicals/Prac1/Week3** folder. Test and **validate** the pages.

Suggested Resources:

- HTML tutorial <https://www.w3schools.com/html/default.asp>
- HTML 5 tutorial https://www.w3schools.com/html/html5_intro.asp
- HTML tag list <https://www.w3schools.com/tags/default.asp>
- CSS tutorial <https://www.w3schools.com/css/default.asp>
- CSS reference <https://www.w3schools.com/cssref/default.asp>
- HTML validator <https://validator.w3.org>
- CSS validator <https://jigsaw.w3.org/css-validator/>

Exercise 1:

- Create a new folder named **week3** in your TWA site as a subfolder in **practicals/prac1**
- Upload the files (html and images) from Week 2 Exercise 3, 4, 5, and 6 to your TWA web site in the **Practicals/Prac1/Week3** folder.

Exercise 2:

For this exercise, you will create a **CSS file** that will be applied to exercise-3.html, exercise-4.html, exercise-5.html, exercise-6.html that you have uploaded to the Week3 folder.

Figures 1, 2, 3, 4, 5 on the following pages are screen dumps of each page to show how the presentation of the page will be changed by the following CSS rules.

- i. Create a CSS file named **master.css**

- ii. **Link** the master.css file to exercise-3.html, exercise-4.html, exercise-5.html, and exercise-6.html by adding the appropriate html tag(s) to each of these html documents.
- iii. Add appropriate CSS rules to master.css to achieve the following
 - a. background colour for the html document to be set to white
 - b. typeface for the html document to be set to a **list of fonts** in the following order: Verdana, Arial, sans-serif
 - c. font size for the html document to be set to 100% of the browser default
 - d. font colour for the html document to be set to black
 - e. the html document is to have a 50 pixel left, right, top and bottom margin
 - f. h1 headings are to be 180% of the browser default font size
 - g. h2 headings are to be 120% of the browser default font size, using the Georgia typeface, and are to be dark slate blue text colour.
 - h. create rules that can be applied to images or figures that will allow them to be displayed to the left or the right of text such that the text wraps around the image or figure. For each such rule the image should have bottom padding of 10 pixels and left or right padding of 15 pixels (this is dependent if the image is to the left or right of the text). Apply these rules to the images in the files as follows:
 - i. Fig 1 is to be displayed to the left of the text so that the text wraps around to the right of the image
 - ii. Fig 2 is to be displayed to the right of the text so that the text wraps around to the left of the image. **Note:** Your CSS must ensure that the heading 'Puppies are dogs too!' does not wrap around the image, but rather, always displays on a new line below the image and the two paragraphs of text.
 - i. The figure caption text should be in italics, have padding at the bottom of 15 pixels, and have a 1 pixel solid black border at the bottom only.
 - j. Ordered lists **that are not nested inside other lists** are to have a background colour of light gray, a left margin of 10 pixels, top padding of 15 pixels, bottom padding of 5 pixels
 - k. **Unordered** lists are to have double line spacing
 - l. Table captions are to use centre text alignment with padding at the bottom of 10 pixels
 - m. Tables are to be 50% of the width of the html document, use left text alignment, and are to have no borders
 - n. The background colour of the table header row is to be silver
 - o. The background colour for the rest of the table is to be light gray
 - p. Each cell within the table is to have 5 pixel padding all around
 - q. Short quotes are to be text colour of dark slate blue
 - r. Block quotes are to be in italics
 - s. The first letter of block quotes is to be 2 times the size of the page font size, text colour of #ff0000, and typeface to be set to a list of fonts in the following order: Times New Roman, Serif

- t. Set the background colour for the navigation section at the top of the page to be light gray
- u. Hypertext links within the navigation section are to be displayed using dark slate blue text colour by default but are to change to text colour of white and background colour of dark slate blue when the **mouse hovers over** the link
- v. Each hypertext link within the navigation section is to have top and bottom padding of 14 pixels, and left and right padding of 16 pixels, and should use centred text alignment. **Hint:** to achieve the same layout as shown in the screen dumps you should investigate the *display* css property. See Figure 5.

Apps
News
Popular
ANOVA: ANalysis O...
Other Bookmarks

Wonderful World of Dogs

[Exercise 3](#)
[Exercise 4](#)
[Exercise 5](#)
[Exercise 6](#)

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Fig 1 - Picture of a dog

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Puppies are dogs too!

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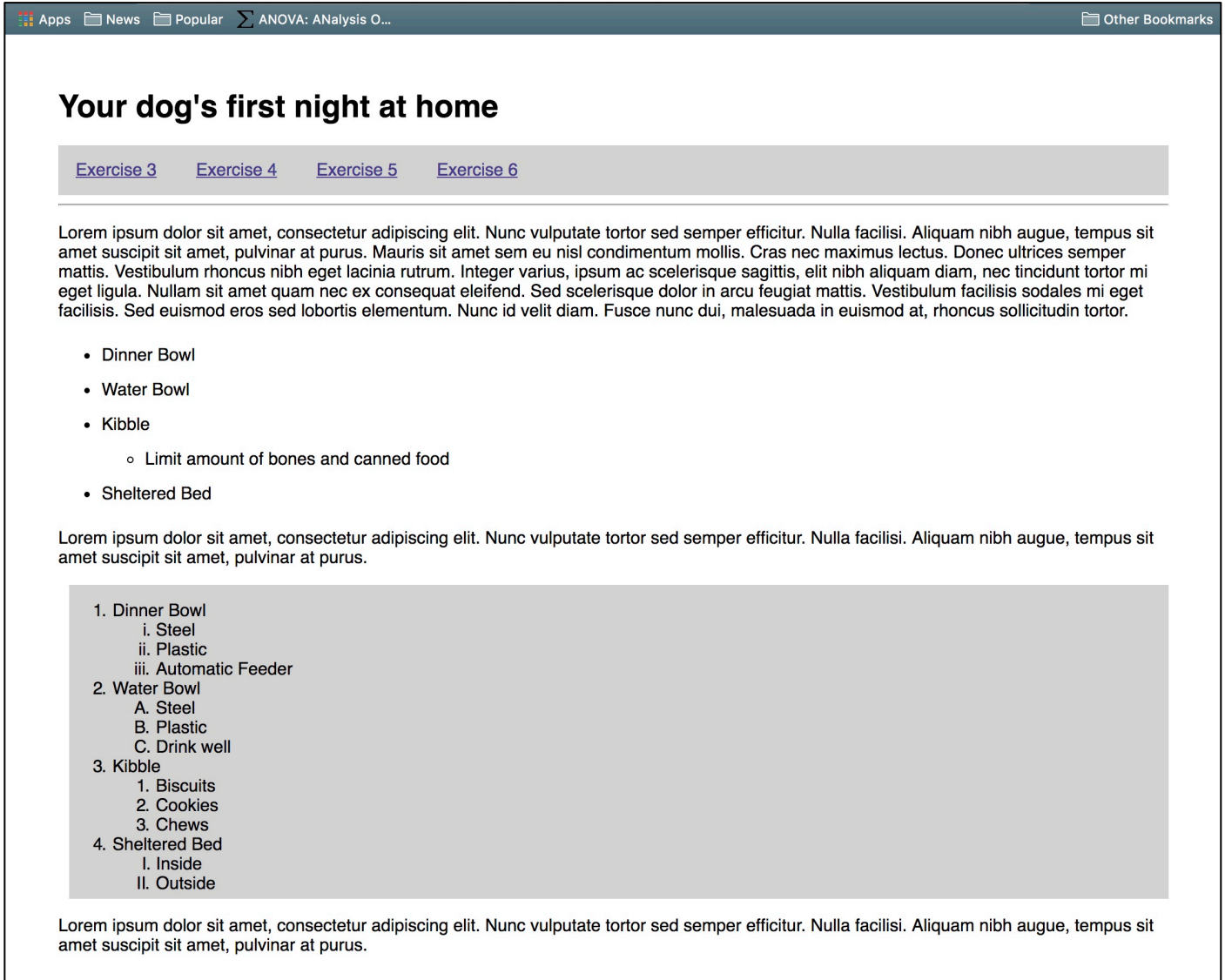


Fig 2 - Picture of another dog

Figure 1 – Exercise 3 screen dump



Your dog's first night at home

[Exercise 3](#) [Exercise 4](#) [Exercise 5](#) [Exercise 6](#)

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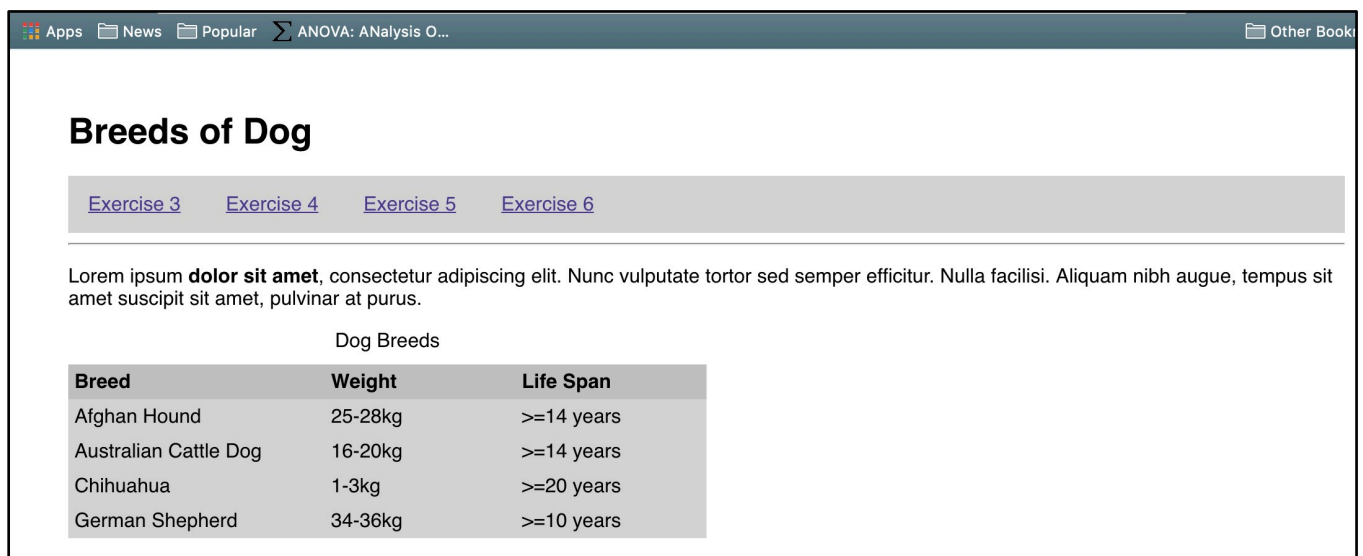
- Dinner Bowl
- Water Bowl
- Kibble
 - Limit amount of bones and canned food
- Sheltered Bed

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1. Dinner Bowl
 - i. Steel
 - ii. Plastic
 - iii. Automatic Feeder
2. Water Bowl
 - A. Steel
 - B. Plastic
 - C. Drink well
3. Kibble
 1. Biscuits
 2. Cookies
 3. Chews
4. Sheltered Bed
 - I. Inside
 - II. Outside

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Figure 2 – Exercise 4 screen dump



Breeds of Dog

[Exercise 3](#) [Exercise 4](#) [Exercise 5](#) [Exercise 6](#)

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Dog Breeds

Breed	Weight	Life Span
Afghan Hound	25-28kg	>=14 years
Australian Cattle Dog	16-20kg	>=14 years
Chihuahua	1-3kg	>=20 years
German Shepherd	34-36kg	>=10 years

Figure 3 – Exercise 5 screen dump

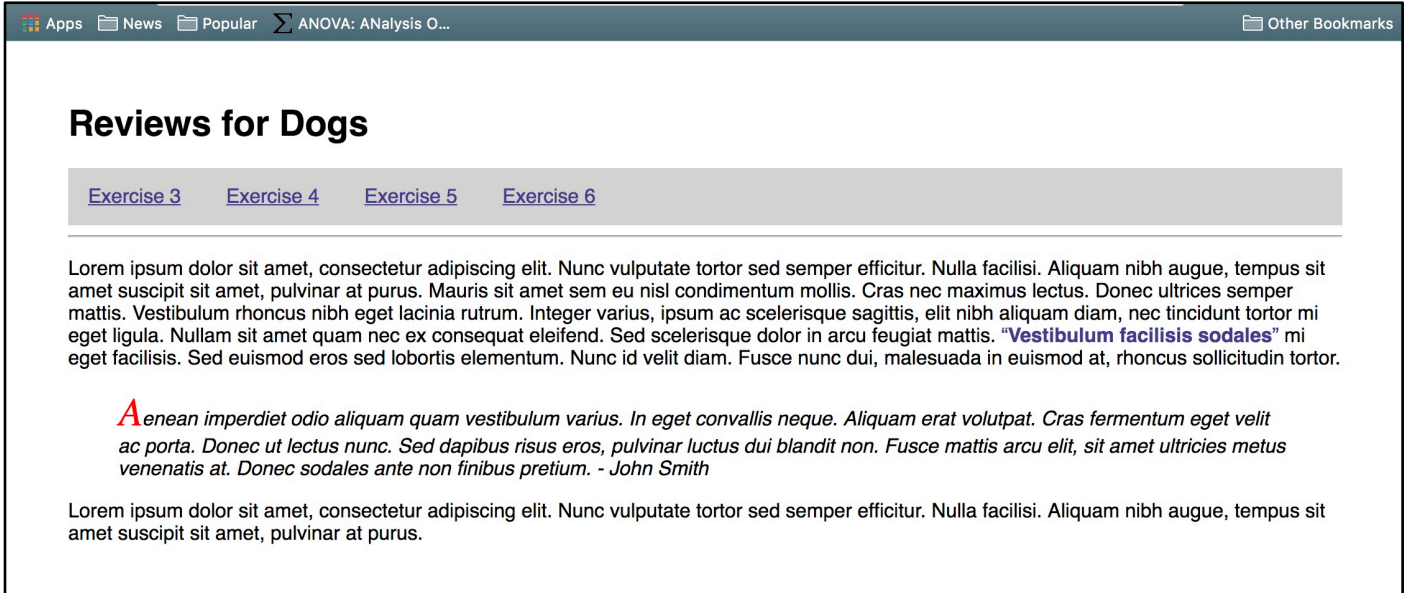


Figure 4 – Exercise 6 screen dump

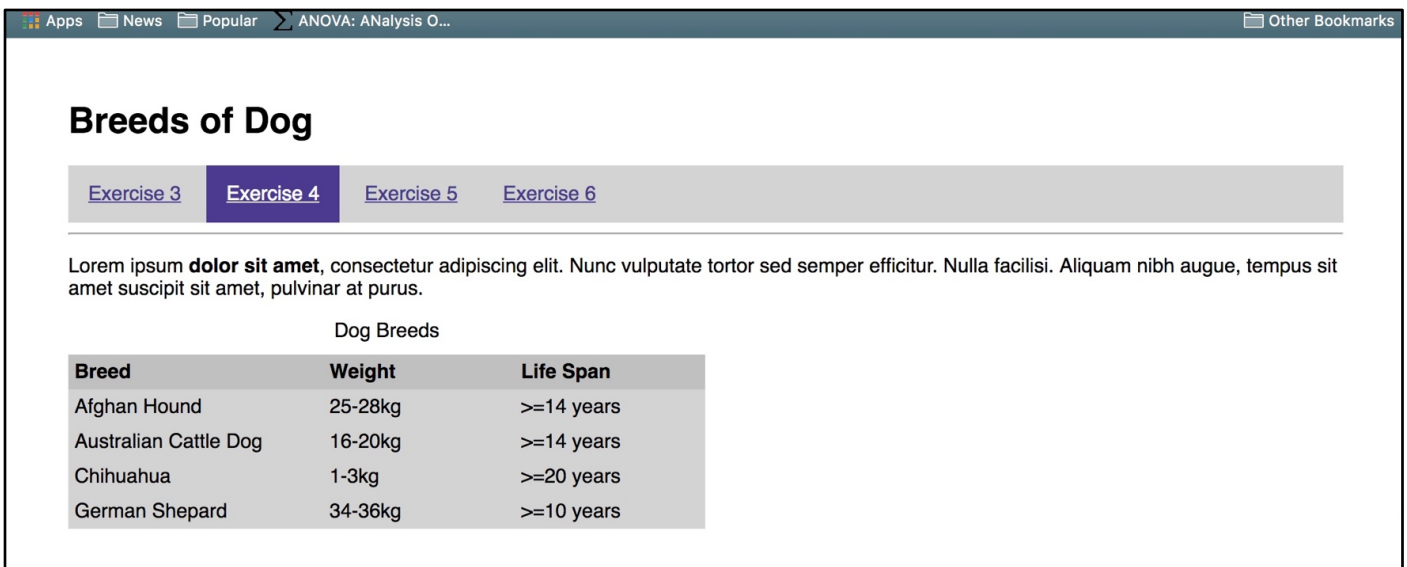


Figure 5 – Screen dump showing navigation bar when mouse is hovering over link