

4.5 Activity: Module 4 practical exercise

Purpose

In this module exercise, you will implement HTML forms to capture user data and design a user-friendly and accessible HTML form.

It is to be submitted as part of [Assignment 2A: Practical exercise set 1](https://canvas.westernsydneyonline.edu.au/courses/1261/assignments/15051) (<https://canvas.westernsydneyonline.edu.au/courses/1261/assignments/15051>).

Do not forget to upload the solution of this exercise to your TWA website in the folders as indicates. Make sure that you **test** and **validate** the pages using the [W3C validation tool](https://validator.w3.org/) (<https://validator.w3.org/>) (W3C, 2013) and [CSS validator](https://jigsaw.w3.org/css-validator/) (<https://jigsaw.w3.org/css-validator/>) (W3C, 2009).

Task

Step 1: Create a CSS file named quoteFORM.css in the practicals/CSS folder on your TWA site. This file will be used to link to and style the HTML file you will create.

Step 2: Create an HTML file named exercise1.html in the practicals/week5 folder on your TWA site. Its content is to be an HTML form that can be used by the sales staff of **Totally Wonder Awnings** (a local company that has been providing high-quality awnings and blinds to customers all over the Sydney region for the past 30 years). The form will be used to provide quotes for the supply and installation of window blinds and awnings at the customer's home.

The form needs to be suitable to be used on both desktop and tablet-sized screens (for the purpose of this exercise, 900 pixels is regarded as the maximum width of a tablet device).

The information to be captured in the form is:

- date of quote
- quoted by (Salesperson): staff number, first name
- customer details: title (choose from Dr, Mx, Ms, Miss, Mrs, Mr, Rev, Hon), first name, surname, address (street address, suburb, postcode), phone number and email
- product details: product ID, Product Name/Description, quantity, unit price, line total (up to 5 products can be quoted on the form, see Figure 1 as an example)
- installation notes

- requested Installation date
- subtotal
- GST
- total
- deposit paid
- total due.

Product ID	Description	Quantity	Unit Price	Line Total
Item #1	Item Description 1	1	1.00	1.00
Item #2	Item Description 2	2	2.00	4.00
Service Item	Service Description	3	3.00	9.00

Figure 1

Figure 1 (2021) courtesy of Paul Davis

Step 3: When creating the HTML form, you will need to **ensure** that you do the following steps.

1. You choose the **most appropriate** input devices for each data item, implement **appropriate labels** for each input to aid accessibility, provide **appropriate instructions** to the user, and implement an appropriate layout that is responsive to changing screen size.

2. The **action** for the form is to be
<https://twaoes.cdms.westernsydney.edu.au/twainfo/form.asp> ➡
[\(https://aus01.safelinks.protection.outlook.com/?url=https%3A%2F%2Ftwaoes.cdms.westernsydney.edu.au%2Ftwainfo%2Fform.asp&data=04%7C01%7CcBurgio%40oes.edu.au%7Cf25ddf3112cb4b8adc3c08d9468f8e3a%7C57d289898c4541189cde8a03712e508d%7C0%7C0%7C637618404645173179%7CUnknown%7CTWFpbGZsb3d8eyJWljiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikl1haWwiLCJXVCi6Mn0%3D%7C1000&sdata=E5cD4JDhkqSHXf3KY2GXGJ66%2BCrrjj207Z5sKG%2FCzX8%3D&reserved=0\)](https://aus01.safelinks.protection.outlook.com/?url=https%3A%2F%2Ftwaoes.cdms.westernsydney.edu.au%2Ftwainfo%2Fform.asp&data=04%7C01%7CcBurgio%40oes.edu.au%7Cf25ddf3112cb4b8adc3c08d9468f8e3a%7C57d289898c4541189cde8a03712e508d%7C0%7C0%7C637618404645173179%7CUnknown%7CTWFpbGZsb3d8eyJWljiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikl1haWwiLCJXVCi6Mn0%3D%7C1000&sdata=E5cD4JDhkqSHXf3KY2GXGJ66%2BCrrjj207Z5sKG%2FCzX8%3D&reserved=0)) and the method for the form is to be **post**.

3. When a user submits the form, all form input data is resent on the resulting action page as shown in Figure 2, for example, if you have an input called fname, then that input name and its value must be present on the output of the
<https://twaoes.cdms.westernsydney.edu.au/twainfo/form.asp> ➡
[\(https://aus01.safelinks.protection.outlook.com/?url=https%3A%2F%2Ftwaoes.cdms.westernsydney.edu.au%2Ftwainfo%2Fform.asp&data=04%7C01%7CcBurgio%40oes.edu.au%7Cf25ddf3112cb4b8adc3c08d9468f8e3a%7C57d289898c4541189cde8a03712e508d%7C0%7C0%7C637618404645173179%7CUnknown%7CTWFpbGZsb3d8eyJWljiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikl1haWwiLCJXVCi6Mn0%3D%7C1000&sdata=E5cD4JDhkqSHXf3KY2GXGJ66%2BCrrjj207Z5sKG%2FCzX8%3D&reserved=0\)](https://aus01.safelinks.protection.outlook.com/?url=https%3A%2F%2Ftwaoes.cdms.westernsydney.edu.au%2Ftwainfo%2Fform.asp&data=04%7C01%7CcBurgio%40oes.edu.au%7Cf25ddf3112cb4b8adc3c08d9468f8e3a%7C57d289898c4541189cde8a03712e508d%7C0%7C0%7C637618404645173179%7CUnknown%7CTWFpbGZsb3d8eyJWljiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikl1haWwiLCJXVCi6Mn0%3D%7C1000&sdata=E5cD4JDhkqSHXf3KY2GXGJ66%2BCrrjj207Z5sKG%2FCzX8%3D&reserved=0))

[Zsb3d8eyJWljojMC4wLjAwMDAiLCJQIjojV2luMzliLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=E5cD4JDhkqSHXf3KY2GXGJ66%2BCrrjj207Z5sKG%2FCzX8%3D&reserved=0\)](https://canvas.westernsydneyonline.edu.au/courses/1261/pages/5-dot-3-activity-module-5-practical-exercise)

page after submission of your form.

4. You utilise the external style sheet named quoteForm.css that you created previously to achieve your chosen page and form layout and design. The typefaces, text sizes, background and text colours, level and input elements positioning should be chosen to support ease of use and accessibility. The CSS should also ensure that both tablet and desktop displays are accommodated.

Welcome to the Form Tester

For any "get" form data entry

element	value
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For any "post" form data entry

element name	value
fname	John
streetAddress1	PO Box 123
streetAddress2	Simple St
lname	Smith

Figure 2 - possible output when a form is submitted to the action URL

Figure 2 (2021) courtesy of Paul Davis

Step 4: Save your work. You will continue to work on this exercise in [5.3 Activity: Module 5 practical exercise](https://canvas.westernsydneyonline.edu.au/courses/1261/pages/5-dot-3-activity-module-5-practical-exercise) (<https://canvas.westernsydneyonline.edu.au/courses/1261/pages/5-dot-3-activity-module-5-practical-exercise>).