

Tutorial Letter 101/3/2023

Development Software IV IRM4724

Assignment 2 School of Computing

IMPORTANT INFORMATION

Please register on myUnisa, activate your myLife email address and make sure that you have regular access to the myUnisa module website (IRM4724-2023) as well as your group website.

Note: This is a fully online module and therefore it is only available on myUnisa.

BARCDE

Instructions:

- ✚ Work through all the chapters in the prescribed book. You may also use sources outside the provided Learning Units and textbook. Please remember that you need to *cite* all external sources.

- Should you cite external sources then follow a proper referencing system, e.g. *Harvard*. Take some time to figure it out. For instance should you use a word processor such as MS Word then use the Reference tool to assist you. Microsoft offers excellent assistance in showing you step by step how to use it (<https://support.office.com/en-us/home/>). Alternatively use software such as Mendeley (www.mendeley.com) to assist you in the gathering of sources. Mendeley also offers various training documents and videos in the use and integration thereof with a word processor (such as MS Word).
- DO NOT copy and paste content from external sources verbatim. It is plagiarism.

Read through the different sources and documents, summarise it and then IN YOUR WORDS reflect on it. Refer to UNISA's rules and regulations in regards to plagiarism. [We have software, called *turnitin* that we use to determine whether content in a document is plagiarised.]

- ✚ Create a document in any word processor. Save it as *yourstudentnumber_a3.xxx*. When you are done, generate a PDF version thereof. You will upload the PDF version of the document on myUNISA.

- ✚ Use a font that is easy to read, e.g. Arial or Times New Roman. Font size = 12.

Paragraph Line Spacing = 1.5. Paragraph Full Justified.

- ✚ Your student number must appear on each of the pages (top left).

- ✚ Number each page (bottom right) ✚

Number your questions clearly.

- ✚ Include the list of external reference sources after the last question.

Question 1

Write an HTML 5 code that will produce the following Display

[20 marks]

Apple iOS	iPad	iPhone	iPod touch	
Google Android	Nexus 7	Samsung Galaxy Notes 8	Samsung Galaxy Notes 4	HP Slate 7
Blackberry OS	Blackberry Z10	Blackberry Q10		
Microsoft Windows Phone OS/RT	Nokia	Samsung ATIV	Surface	

Question 2

Create a web page that looks like the following display:

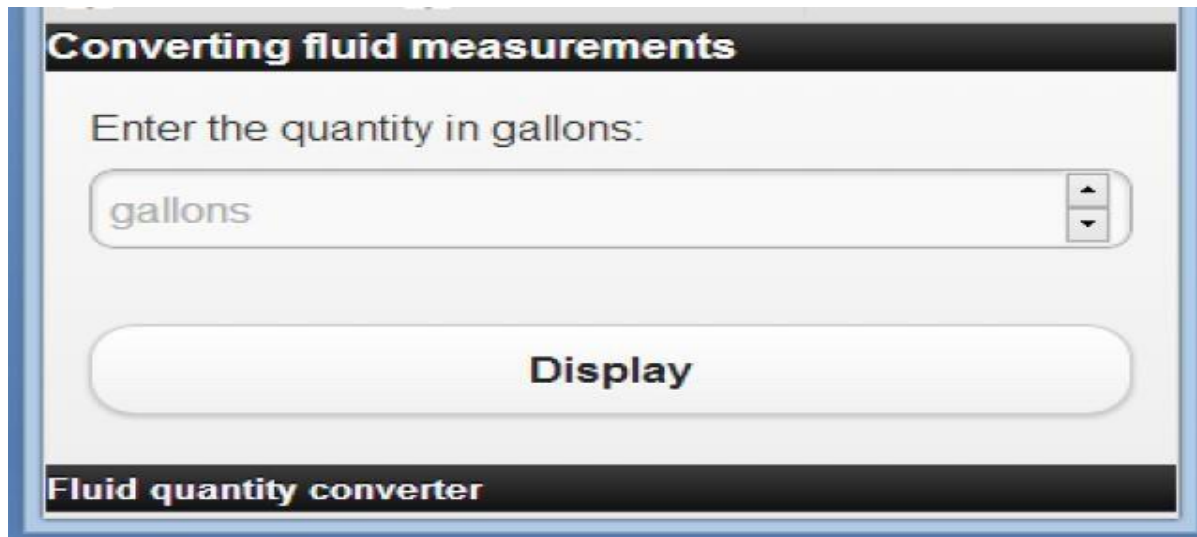
[20 marks]

1. Apple iOS
 - iPad
 - iPhone
 - iPod touch
2. Google Android
 - Nexus 7
 - Samsung Galaxy Notes 8
 - Samsung Galaxy Notes 4
 - HP Slate 7
3. Blackberry OS
 - Blackberry Z10
 - Blackberry Q10
4. Microsoft Windows Phone OS/RT
 - Nokia
 - Samsung ATIV
 - Surface

Question 3

Write HTML5 code that will create the following display (using jQuery Mobile)

[20 marks]

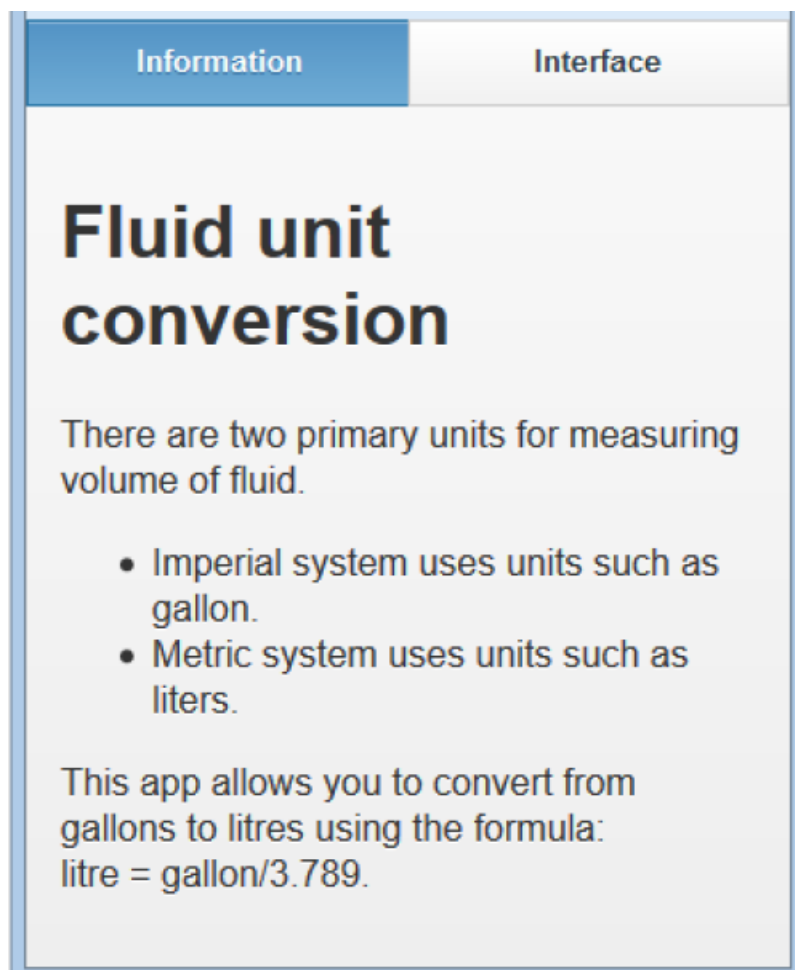


The screenshot shows a jQuery Mobile interface for converting fluid measurements. It features a title bar at the top with the text "Converting fluid measurements". Below the title bar, there is a text input field with the placeholder text "gallons" and a small spinner icon on the right. Below the input field is a large, rounded button labeled "Display". At the bottom of the interface, there is a footer bar with the text "Fluid quantity converter".

Question 4

Write HTML5 code that will create the following linked pages

[20 Marks]



The screenshot shows a jQuery Mobile page for fluid unit conversion. It has a header bar with two tabs: "Information" (which is active) and "Interface". The main content area has a title "Fluid unit conversion" and a paragraph stating "There are two primary units for measuring volume of fluid." Below this, there is a bulleted list: "Imperial system uses units such as gallon." and "Metric system uses units such as liters." At the bottom, there is a paragraph stating "This app allows you to convert from gallons to litres using the formula: litre = gallon/3.789."

5.1 Draw the following figure of a cylinder on a canvas

[20 marks]

