

Tutorial Letter 101/3/2023

Development Software IV IRM4724

Assignment 4 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**(30 Marks)**

Write a JavaScript function to add the following books in the library collection for author John Grisham. The number in the parentheses is the year of publication.

A Time to Kill (1989) The Firm
(1991)

The Pelican Brief (1992) The Client (1993)

The Chamber (1994) The Rainmaker (1995) The
Runaway Jury (1996) The Partner (1997)

The Street Lawyer (1998) The
Testament (1999)

The Brethren (2000)

A Painted House (2001)

Skiping Christmas (2001) The Summons (2002) The
King of Torts (2003)

Bleachers† (2003) The Last Juror (2004) The Broker
(2005) Playing for Pizza (2007) The Appeal 2008)

The Associate (2009) The Confession (2010)

The Litigators (2011) Calico Joe (2012)

The Racketeer (2012) Sycamore Row (2013)

Gray Mountain (2014)

Question 2**(10 Marks)**

Write queries to find the following:

- All the books published before 2000 (by any author)
- All the books published by John Grisham
- All the books not published by John Grisham
- All the books published between years 2000 and 2009
- The number of books published after 2009

Question 3**(10 Marks)**

Write queries to delete the following:

- All the books published before 2000 (by any author)
- All the books published by John Grisham
- All the books not published by John Grisham
- All the books published between years 2000 and 2009 (by any author)

Question 4 (Community Project)**(50 Marks)**

Either develop or selection a mobile application. Demonstrate this application to a community of your choice. Discuss the application created/selected and how this uplifted the selected community.