Computer Science

The project team is ready to create the directory structure for the Web site. You are tasked with creating the directories and implementing the security mechanism. For this assignment, you need to create the following directory structure and permissions: Ensure that you are starting in your individual Home directory: The following file permission should be enabled for the directories: The owner can read, write and execute All. The group can read and execute All Directories. Everyone else can only read and execute the files in Apache only (and no permissions in www).Change the www\ftp directory to allow the User and group to read, write, and execute, but everyone else to only write to the directory. In addition, create the following empty files and set the following file permissions: Finally, create a file called "apache/conf/httpd.conf," and add the following lines to the file:Then, complete the following: Save the file and exit the editor. Set the file permission for this file to be: 664.Show the command used to show content of the file and the content of the file. Using the grep command, write comment to find the line containing the word(s) Server Root and Document Root in the httpd.conf file. Write a sed command that will change the Server Root value from /usr to the absolute directory patch for your apache directory. Write a sed command that will change the Document value from /Library/WebServer/Documents to the absolute directory patch for your www directory. Write an awk command that will print only the comment field and the login id of all users in the /etc/passwd file in this format: - .Your Word document should include the following, as well as a description about each step (what you did and why you are performing each command) and associated screenshots: All commands to create the above structure Changing to your Home directory Creating the directories Creating the empty files Changing all file permissions Show the directory list of the new structure, including a list of permissions A grep, sed, and awk command Your primary post should include the following: A paragraph discuss your experience with the above exercise Attach your Word document as "yourname\_DB4.docx" to your Discussion Board primary response The following are some tips if you have problems when submitting your Word document: Make sure that there are some texts (not only the screenshots) in the Word document. Try to save as "Word 97-2003 Document (\*.doc)," and re-submit. Try to submit with a different Web browser. Try to submit from a different computer.