Database Management Systems

PA5

Fall 2020

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CSCE 4523/5523: Database Management Systems  
Fall 2020  
Assignment Five  
Due: Tuesday, Dec. 8, 2020 by 5:00 pm  
  
  
You may refer to PL/SQL part of my oracle notes to complete this assignment.  
  
Write a PL/SQL procedure to perform the following tasks in order to add a new rental to the rentals table.  
  
1.  The procedure accepts c\_id, v\_id, and miles\_out values from user.  
  
2.  Then it performs the following checks:  
    (a) The c\_id must exist in customers table.  
    (b) The v\_id must exist in vehicles table.  
    (c) The vehicle having the v\_id must not have been already checked out by a customer.  That is,  
          anyone who had checked out the vehicle must have returned it.  
  
    If any of the above conditions fail, the procedure prints an appropriate message and quits.  
  
3.  If all of the above conditions are satisfied, the procedure determines the ck\_out\_date as the date when the procedure is being run (i.e., current date).  
  
4.  The procedure then inserts into the rentals table a record having the c\_id, v\_id, and miles\_out values as supplied by the user in step 1, and the ck\_out\_date value as determined in step 3. The ret\_date and miles\_in fields remain as null.  The procedure then prints a message indicating successful addition of the record and terminates.  
  
Save the procedure in a file named xxxx.sql, replacing 'xxxx' with your last name.  
  
Generate a spool file showing the procedure code (use the command 'get' followed by the procedure name on SQL prompt to show the code), output for each of the failed cases as mentioned in task 2, and output of a successful record insertion (task 4).  Name the spool file as xxxx.lst, replacing 'xxxx' with your last name.  
  
Submit the procedure file and the spool file via Blackboard.  
  
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Hi all,  
  
Here is a recap of what I said in class today about assignment five.  
  
(1) Please make sure you submit two files - the .sql file containing the procedure code and the .lst (spool) file.  Otherwise, your assignment will be considered incomplete and will not be graded.  
  
(2) Please make sure your procedure file does not have any blank lines - either in between the code lines or at the end.  
  
(3) If you don't want to see the new value and old value statements after you provide input to the procedure, you can type the following command on SQL prompt:  
    set verify off  
  
-- Panda