Bike Rental Shop Project

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#!/bin/bash
PSQL="psql -X --username=freecodecamp --dbname=bikes --tuples-only -c"
echo -e "\n~~~~ Bike Rental Shop ~~~\n"
MAIN_MENU() {
  if [[ $1 ]]
 then
    echo -e "\n$1"
  fi
  echo "How may I help you?"
  echo -e "\n1. Rent a bike\n2. Return a bike\n3. Exit"
  read MAIN MENU SELECTION
 case $MAIN_MENU_SELECTION in
   1) RENT_MENU ;;
   2) RETURN_MENU ;;
   3) EXIT ;;
    *) MAIN_MENU "Please enter a valid option." ;;
  esac
}
RENT_MENU() {
 # get available bikes
 AVAILABLE_BIKES=$($PSQL "SELECT bike_id, type, size FROM bikes WHERE_available
= true ORDER BY bike_id")
 # if no bikes available
 if [[ -z $AVAILABLE_BIKES ]]
  then
   MAIN_MENU "Sorry, we don't have any bikes available right now."
   # display available bikes
   echo -e "\nHere are the bikes we have available:"
    echo "$AVAILABLE_BIKES" | while read BIKE_ID BAR TYPE BAR SIZE
    do
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echo "$BIKE ID) $SIZE\" $TYPE Bike"
    done
    # ask for bike to rent
    echo -e "\nWhich one would you like to rent?"
    read BIKE_ID_TO_RENT
   if [[ ! $BIKE ID TO RENT =~ ^[0-9]+$ ]]
    then
     MAIN MENU "That is not a valid bike number."
    else
      # get bike availability
      BIKE_AVAILABILITY=$($PSQL "SELECT available FROM bikes WHERE bike_id =
$BIKE ID TO RENT AND available = true")
     # if not available
     if [[ -z $BIKE AVAILABILITY ]]
     then
       MAIN MENU "That bike is not available."
      else
        echo -e "\nWhat's your phone number?"
        read PHONE NUMBER
       CUSTOMER_NAME=$($PSQL "SELECT name FROM customers WHERE phone =
'$PHONE NUMBER'")
        # if customer doesn't exist
        if [[ -z $CUSTOMER_NAME ]]
        then
         # get new customer name
         echo -e "\nWhat's your name?"
          read CUSTOMER_NAME
         # insert new customer
          INSERT_CUSTOMER_RESULT=$($PSQL "INSERT INTO customers(name, phone)
VALUES('$CUSTOMER_NAME', '$PHONE_NUMBER')")
        # get customer id
        CUSTOMER_ID=$($PSQL "SELECT customer_id FROM customers WHERE phone =
'$PHONE NUMBER'")
        # insert bike rental
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INSERT_RENTAL_RESULT=$($PSQL "INSERT INTO rentals(customer_id, bike_id)
VALUES($CUSTOMER_ID, $BIKE_ID_TO_RENT)")
        # set bike availability to false
        SET TO FALSE RESULT=$($PSQL "UPDATE bikes SET available = false WHERE
bike id = $BIKE ID TO RENT")
       # get bike info
        BIKE INFO=$($PSQL "SELECT size, type FROM bikes WHERE bike id =
$BIKE ID TO RENT")
        BIKE INFO FORMATTED=$(echo $BIKE INFO | sed 's/ |/"/')
        MAIN_MENU "I have put you down for the $BIKE_INFO_FORMATTED Bike, $(echo
CUSTOMER NAME \mid sed -r 's/^ * \mid *$//g')."
     fi
    fi
  fi
RETURN_MENU() {
 # get customer info
 echo -e "\nWhat's your phone number?"
 read PHONE NUMBER
  CUSTOMER_ID=$($PSQL "SELECT customer_id FROM customers WHERE phone =
'$PHONE NUMBER'")
 # if not found
 if [[ -z $CUSTOMER ID ]]
 then
   MAIN MENU "I could not find a record for that phone number."
    # get customer's rentals
    CUSTOMER_RENTALS=$($PSQL "SELECT bike_id, type, size FROM bikes INNER JOIN
rentals USING(bike id) INNER JOIN customers USING(customer id) WHERE phone =
'$PHONE NUMBER' AND date returned IS NULL ORDER BY bike id")
   # if no rentals
   if [[ -z $CUSTOMER_RENTALS ]]
   then
     MAIN MENU "You do not have any bikes rented."
    else
      echo -e "\nHere are your rentals:"
      echo "$CUSTOMER_RENTALS" | while read BIKE_ID BAR TYPE BAR SIZE
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do
        echo "$BIKE_ID) $SIZE\" $TYPE Bike"
      done
      # ask for bike to return
      echo -e "\nWhich one would you like to return?"
      read BIKE_ID_TO_RETURN
      if [[ ! $BIKE ID TO RETURN =~ ^[0-9]+$ ]]
      then
       MAIN MENU "That is not a valid bike number."
       # check if input is rented
        RENTAL ID=$($PSQL "SELECT rental id FROM rentals INNER JOIN customers
USING(customer_id) WHERE phone = '$PHONE_NUMBER' AND bike_id =
$BIKE ID TO RETURN AND date returned IS NULL")
       if [[ -z $RENTAL_ID ]]
        then
         MAIN MENU "You do not have that bike rented."
        else
          # update date returned
          RETURN BIKE RESULT=$($PSQL "UPDATE rentals SET date returned = NOW()
WHERE rental id = $RENTAL ID ")
         # set bike availability to true
          SET TO TRUE RESULT=$($PSQL "UPDATE bikes SET available = true WHERE
bike_id = $BIKE_ID_TO_RETURN")
         MAIN_MENU "Thank you for returning your bike."
       fi
     fi
   fi
 fi
EXIT() {
  echo -e "\nThank you for stopping in.\n
MAIN MENU
```