import java.util.\*;

class SalesRecord {

private String BN;

private String CN;

public SalesRecord(String BN, String CN) {

this.BN = BN;

this.CN = CN;

}

public String getBN() {

return BN;

}

public String getCN() {

return CN;

}

@Override

public String toString() {

return "enter ID: " + BN + ",Laptop sold: " + CN;

}

}

class SalesRecordManager {

private LinkedList<SalesRecord> salesRecords = new LinkedList<>();

public void addRecord(SalesRecord record) {

salesRecords.add(record);

System.out.println("Record added successfully.");

}

public void deleteRecord(String BN) {

boolean found = false;

Iterator<SalesRecord> iterator = salesRecords.iterator();

while (iterator.hasNext()) {

SalesRecord record = iterator.next();

if (record.getBN().equalsIgnoreCase(BN)) {

iterator.remove();

System.out.println("Record deleted successfully.");

found = true;

break;

}

}

if (!found) {

System.out.println("Record not found.");

}

}

public void searchRecord(String BN) {

for (SalesRecord record : salesRecords) {

if (record.getBN().equalsIgnoreCase(BN)) {

System.out.println("Record found: " + record);

return;

}

}

System.out.println("Record not found.");

}

public void displayRecords() {

if (salesRecords.isEmpty()) {

System.out.println("No records to display.");

} else {

System.out.println("Sales Records:");

for (SalesRecord record : salesRecords) {

System.out.println(record);

}

}

}

}

class MenuDrivenProgram {

public static void main(String[] args) {

SalesRecordManager manager = new SalesRecordManager();

Scanner scanner = new Scanner(System.in);

int choice;

do {

System.out.println("\nMenu:");

System.out.println("1. Add a sale Loptop");

System.out.println("2. Delete a sale Loptop");

System.out.println("3. Display All sale Loptop");

System.out.println("4. Exit");

System.out.print("Enter your choice: ");

choice = scanner.nextInt();

switch (choice) {

case 1:

scanner.nextLine();

System.out.print("Enter your ID: ");

String BN = scanner.nextLine();

System.out.print("Enter number for Laptop: ");

String CN = scanner.nextLine();

SalesRecord record = new SalesRecord(BN, CN);

manager.addRecord(record);

break;

case 2:

scanner.nextLine();

System.out.print("Enter bill number to delete: ");

String deleteBillNumber = scanner.nextLine();

manager.deleteRecord(deleteBillNumber);

break;

case 3:

manager.displayRecords();

break;

case 4:

System.out.println("Goodbye!");

break;

default:

System.out.println("Please try again.");

}

} while (choice != 4);

scanner.close();

}

}