|  |
| --- |
| package com.company; |
|  |  |
|  | import com.company.customersdata.Datasource; |
|  |  |
|  | import java.util.Scanner; |
|  |  |
|  | public class Main { |
|  |  |
|  | private static Scanner s = new Scanner(System.in); |
|  | private static Datasource ds = new Datasource(); |
|  |  |
|  | public static void main(String[] args) { |
|  |  |
|  | if (ds.open()) { |
|  | boolean loop = false; |
|  | showMenu(); |
|  | while (!loop) { |
|  | System.out.println("Choose 0-7 option (0-print menu)."); |
|  | try { |
|  | int action = s.nextInt(); |
|  | s.nextLine(); |
|  | switch (action) { |
|  | case 0: |
|  | showMenu(); |
|  | break; |
|  | case 1: |
|  | addBranch(); |
|  | break; |
|  | case 2: |
|  | addCustomer(); |
|  | break; |
|  | case 3: |
|  | addTransaction(); |
|  | break; |
|  | case 4: |
|  | showBranches(); |
|  | break; |
|  | case 5: |
|  | showCustomers(); |
|  | break; |
|  | case 6: |
|  | showTransactions(); |
|  | break; |
|  | case 7: |
|  | loop = true; |
|  | break; |
|  | } |
|  | } catch (Exception e) { |
|  | System.out.println("Syntax error."); |
|  | s.nextLine(); |
|  | } |
|  | } |
|  | } |
|  | ds.close(); |
|  | } |
|  | // Printing in console available options |
|  |  |
|  | public static void showMenu() { |
|  | System.out.println("\nPress "); |
|  | System.out.println("\t 0 - To print menu."); |
|  | System.out.println("\t 1 - To add a branch."); |
|  | System.out.println("\t 2 - To add a customer."); |
|  | System.out.println("\t 3 - To add a transaction."); |
|  | System.out.println("\t 4 - To show list of branches."); |
|  | System.out.println("\t 5 - To show customers' list of chosen branch."); |
|  | System.out.println("\t 6 - To show list of chosen customer transactions."); |
|  | System.out.println("\t 7 - To quit the application."); |
|  | } |
|  |  |
|  | // Adding new branch to database |
|  |  |
|  | public static void addBranch() { |
|  | System.out.println("Enter branch name:"); |
|  | String name = s.nextLine(); |
|  | ds.addBranch(name); |
|  | } |
|  | // Adding new customer to concrete branch |
|  |  |
|  | public static void addCustomer() { |
|  | System.out.println("Enter branch name:"); |
|  | String branchName = s.nextLine(); |
|  | int branchId = ds.selectBranchId(branchName); |
|  | if (branchId > 0) { |
|  | System.out.println("Enter customer name:"); |
|  | String name = s.nextLine(); |
|  | if (ds.selectCustomerId(name, branchId) == 0) { |
|  | System.out.println("Enter initial transaction value:"); |
|  | double initial = s.nextDouble(); |
|  | ds.addCustomer(branchId, name, initial); |
|  | } else |
|  | System.out.println("Customer already exists in database."); |
|  | } else |
|  | System.out.println("Branch doesn't exists"); |
|  | } |
|  | // Adding customer's transaction |
|  |  |
|  | public static void addTransaction() { |
|  | System.out.println("Enter branch name:"); |
|  | String branchName = s.nextLine(); |
|  | int branchId = ds.selectBranchId(branchName); |
|  | if (branchId > 0) { |
|  | System.out.println("Enter customer name:"); |
|  | String name = s.nextLine(); |
|  | int customerId = ds.selectCustomerId(name, branchId); |
|  | if (customerId > 0) { |
|  | System.out.println("Enter transaction value:"); |
|  | double initial = s.nextDouble(); |
|  | ds.addTransaction(customerId, initial); |
|  | } else |
|  | System.out.println("Customer doesn't exists"); |
|  | } else |
|  | System.out.println("Branch doesn't exists"); |
|  | } |