|  |
| --- |
| package com.practiseProject; |
|  |  |
|  | import java.io.BufferedReader; |
|  | import java.io.BufferedWriter; |
|  | import java.io.File; |
|  | import java.io.FileReader; |
|  | import java.io.FileWriter; |
|  | import java.io.IOException; |
|  | import java.util.Scanner; |
|  | import java.util.StringTokenizer; |
|  |  |
|  |  |
|  | public class FootballClubRecordFileHandling { |
|  |  |
|  | public static void main(String [] args) { |
|  | Scanner theInput = new Scanner(System.in); |
|  | String Choice, cont = "y"; |
|  |  |
|  | while( cont.equalsIgnoreCase("y") ) { |
|  | System.out.println("\t\t AFC Football Club\n\n"); |
|  |  |
|  | System.out.println("1 ====> Add New Player Record to club"); |
|  | System.out.println("2 ====> View all Player Record present in the club"); |
|  | System.out.println("3 ====> Delete Player Record leave the club"); |
|  | System.out.println("4 ====> Search Player Record"); |
|  | System.out.println("5 ====> Update Player Record in the club"); |
|  |  |
|  | System.out.println("\n\n"); |
|  | System.out.println("Enter your choice : "); |
|  | Choice = theInput.nextLine(); |
|  |  |
|  | if(Choice.equals("1") ) { |
|  | try { |
|  | AddRecord(); |
|  | } |
|  | catch (IOException e) { |
|  | e.printStackTrace(); |
|  | } |
|  | } |
|  | else if(Choice.equals("2") ) { |
|  | try { |
|  | ViewAllRecord(); |
|  | } |
|  | catch (IOException e) { |
|  | e.printStackTrace(); |
|  | } |
|  | } |
|  | else if(Choice.equals("3") ) { |
|  | try { |
|  | DeleteRecordByID(); |
|  | } |
|  | catch (IOException e) { |
|  | e.printStackTrace(); |
|  | } |
|  | } |
|  | else if(Choice.equals("4") ) { |
|  | try { |
|  | SearchRecordbyID(); |
|  | } |
|  | catch (IOException e) { |
|  | e.printStackTrace(); |
|  | } |
|  | } |
|  | else if(Choice.equals("5") ) { |
|  | try { |
|  | updateRecordbyID(); |
|  | } |
|  | catch (IOException e) { |
|  | e.printStackTrace(); |
|  | } |
|  | } |
|  |  |
|  | System.out.println("Do you wish to continue? Y/N"); |
|  | cont = theInput.nextLine(); |
|  | } |
|  | } |
|  |  |
|  | public static void AddRecord() throws IOException { |
|  |  |
|  | BufferedWriter bw = new BufferedWriter( new FileWriter("records.txt",true) ); |
|  | Scanner strInput = new Scanner(System.in); |
|  |  |
|  | String ID, name, age, addr; |
|  |  |
|  | System.out.print("Enter the Player ID: "); |
|  | ID = strInput.nextLine(); |
|  | System.out.print("Enter the Player Name: "); |
|  | name = strInput.nextLine(); |
|  | System.out.print("Enter the Player Age: "); |
|  | age = strInput.nextLine(); |
|  | System.out.print("Enter the Player Address: "); |
|  | addr = strInput.nextLine(); |
|  |  |
|  | bw.write(ID+","+name+","+age+","+addr); |
|  | bw.flush(); |
|  | bw.newLine(); |
|  | bw.close(); |
|  | } |
|  |  |
|  | public static void ViewAllRecord() throws IOException { |
|  | BufferedReader br = new BufferedReader( new FileReader("records.txt") ); |
|  |  |
|  | String record; |
|  |  |
|  | System.out.println(" ------------------------------------------------------------- "); |
|  | System.out.println("| ID Name Age Address |"); |
|  | System.out.println(" ------------------------------------------------------------- "); |
|  |  |
|  | while( ( record = br.readLine() ) != null ) { |
|  |  |
|  | StringTokenizer st = new StringTokenizer(record,","); |
|  |  |
|  | System.out.println("| "+st.nextToken()+" "+st.nextToken()+" "+st.nextToken()+" "+st.nextToken()+" |"); |
|  |  |
|  | } |
|  |  |
|  | System.out.println("| |"); |
|  | System.out.println(" ------------------------------------------------------------- "); |
|  | br.close(); |
|  | } |
|  |  |
|  | public static void DeleteRecordByID() throws IOException { |
|  | Scanner strInput = new Scanner(System.in); |
|  | String ID, record; |
|  |  |
|  | File tempDB = new File("records\_temp.txt"); |
|  | File db = new File("records.txt"); |
|  |  |
|  | BufferedReader br = new BufferedReader( new FileReader( db ) ); |
|  | BufferedWriter bw = new BufferedWriter( new FileWriter( tempDB ) ); |
|  |  |
|  | System.out.println("\t\t Delete Player Record\n"); |
|  |  |
|  | System.out.println("Enter the Player ID: "); |
|  | ID = strInput.nextLine(); |
|  |  |
|  | while( ( record = br.readLine() ) != null ) { |
|  |  |
|  | if( record.contains(ID) ) |
|  | continue; |
|  |  |
|  | bw.write(record); |
|  | bw.flush(); |
|  | bw.newLine(); |
|  | } |
|  |  |
|  | br.close(); |
|  | bw.close(); |
|  |  |
|  | db.delete(); |
|  |  |
|  | tempDB.renameTo(db); |
|  | } |
|  |  |
|  | public static void SearchRecordbyID() throws IOException { |
|  | String ID,record; |
|  | Scanner strInput = new Scanner(System.in); |
|  |  |
|  | BufferedReader br = new BufferedReader( new FileReader("records.txt") ); |
|  |  |
|  | System.out.println("\t\t Search Player Record\n"); |
|  |  |
|  | System.out.println("Enter the Player ID: "); |
|  | ID = strInput.nextLine(); |
|  |  |
|  | System.out.println(" ------------------------------------------------------------- "); |
|  | System.out.println("| ID Name Age Address |"); |
|  | System.out.println(" ------------------------------------------------------------- "); |
|  |  |
|  | while( ( record = br.readLine() ) != null ) { |
|  |  |
|  | StringTokenizer st = new StringTokenizer(record,","); |
|  | if( record.contains(ID) ) { |
|  | System.out.println("| "+st.nextToken()+" "+st.nextToken()+" "+st.nextToken()+" "+st.nextToken()+" |"); |
|  | } |
|  | } |
|  |  |
|  | System.out.println("| |"); |
|  | System.out.println(" ------------------------------------------------------------- "); |
|  |  |
|  | br.close(); |
|  | } |
|  |  |
|  |  |
|  | public static void updateRecordbyID() throws IOException { |
|  | String newName, newAge, newAddr, record, ID,record2; |
|  |  |
|  | File db = new File("records.txt"); |
|  | File tempDB = new File("records\_temp.txt"); |
|  |  |
|  | BufferedReader br = new BufferedReader( new FileReader(db) ); |
|  | BufferedWriter bw = new BufferedWriter( new FileWriter(tempDB) ); |
|  |  |
|  | Scanner strInput = new Scanner(System.in); |
|  |  |
|  | System.out.println("\t\t Update Player Record\n\n"); |
|  | /\*\*/ |
|  | System.out.println("Enter the Player ID: "); |
|  | ID = strInput.nextLine(); |
|  | System.out.println(" ------------------------------------------------------------- "); |
|  | System.out.println("| ID Name Age Address |"); |
|  | System.out.println(" ------------------------------------------------------------- "); |
|  |  |
|  | while( ( record = br.readLine() ) != null ) { |
|  |  |
|  | StringTokenizer st = new StringTokenizer(record,","); |
|  | if( record.contains(ID) ) { |
|  | System.out.println("| "+st.nextToken()+" "+st.nextToken()+" "+st.nextToken()+" "+st.nextToken()+" |"); |
|  | } |
|  | } |
|  | System.out.println("| |"); |
|  | System.out.println(" ------------------------------------------------------------- "); |
|  |  |
|  | br.close(); |
|  | /\*\*/ |
|  | System.out.println("Enter the new Name: "); |
|  | newName = strInput.nextLine(); |
|  | System.out.println("Enter the new Age: "); |
|  | newAge = strInput.nextLine(); |
|  | System.out.println("Enter the new Address: "); |
|  | newAddr = strInput.nextLine(); |
|  |  |
|  | BufferedReader br2 = new BufferedReader( new FileReader(db) ); |
|  |  |
|  | while( (record2 = br2.readLine() ) != null ) { |
|  | if(record2.contains(ID)) { |
|  | bw.write(ID+","+newName+","+newAge+","+newAddr); |
|  | } else { |
|  |  |
|  | bw.write(record2); |
|  | } |
|  | bw.flush(); |
|  | bw.newLine(); |
|  | } |
|  |  |
|  | bw.close(); |
|  | br2.close(); |
|  | db.delete(); |
|  | boolean success = tempDB.renameTo(db); |
|  | System.out.println(success); |
|  | } |
|  | } |