

UserApp.java

```
/*
 * Countries of the World App 1.5
 * UserApp.java "User Application"
 * Waleed Gudah
 *
 */

public class UserApp {

    private CountryData dTable;

    private TheLog theLog;

    private TransData td;

    private CountryIndex index;

    public void userMain(int fileNumber) {

        theLog = new TheLog();

        dTable = new CountryData(theLog, "User");

        theLog.statusCode("UserApp started");

        td = new TransData(fileNumber, theLog);

        index = new CountryIndex(theLog);

        processUserInput();

        finishUp();
    }

    // *****//
    public void processUserInput() {

        while (td.nextRecord() == true) {

            inputSwitch(td.getTrans());

        }
        td.finishUp();
    }

    // *****//
    // This method determines the Selection made by the transaction file //
    // and calls one of the 4 helper methods below to perform the appropriate
    // task.//
    public void inputSwitch(String key) {

        switch (key) {

            case "IN":

                // nothing yet

                break;

            case "DI":

                dTable.deleteByID(td.getId());

                break;
        }
    }
}
```

```
        case "DC":
            dTable.deleteByID(td.getId());
            break;
        case "SI":
            dTable.selectByID(td.getId());
            break;
        case "SC":
            dTable.selectByCode(td.getcountryCode());
            break;
    }
}

// *****//
public void finishUp() {
    theLog.statusCode("UserApp finished - " + td.getNumberOfTransactions()
        + " transactions processed");
    td.finishUp();
    dTable.finishUp(false);
    theLog.finishUp();
}
}
```