

## Introduction

Upgrade of the former app:

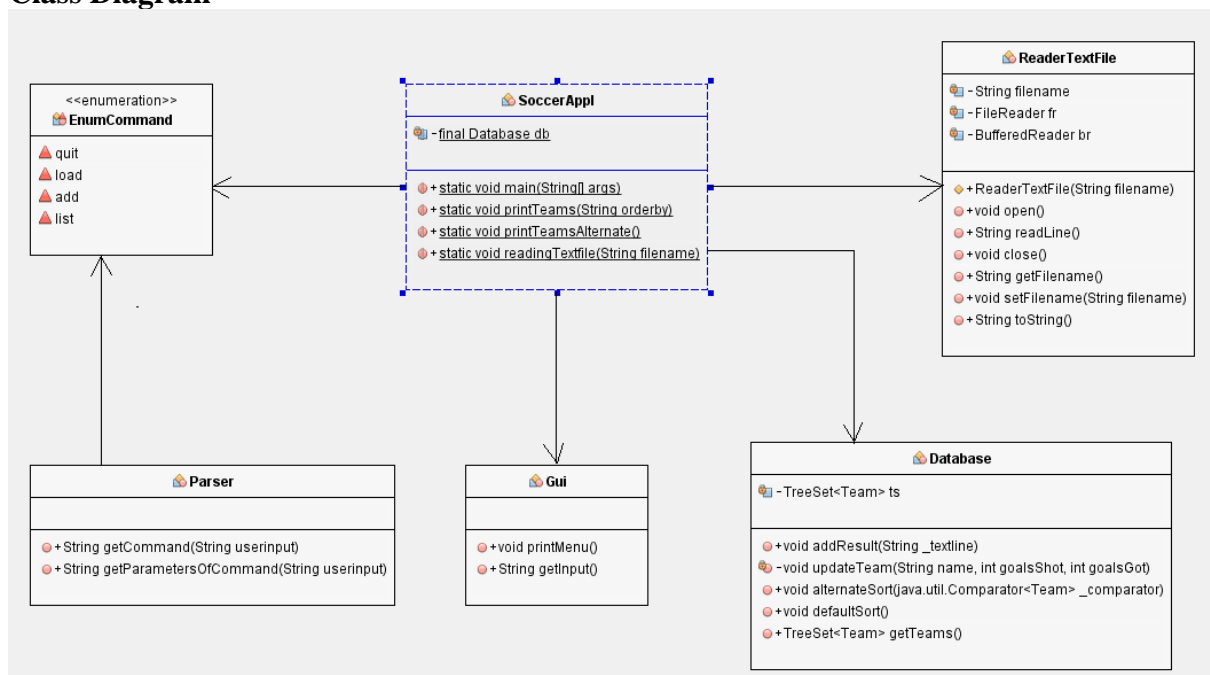
➔ user can input commands from console.

The outcome is shown below

## Hints

- for reading a text file use given class „ReaderTextFile“
- which is given as a jar-file
- documentation of all classes also can be seen in the folder “javadoc”
- typical dialog between user and app can be seen below

## Class Diagram



## Reading user input from console

```

/**
 * reads user input from console
 * @return ... string of user input
 * @throws Exception ... should not happen quite often
 */
public String getInput() throws Exception {
    String retString;
    InputStreamReader isr = new InputStreamReader(System.in);
    BufferedReader keyboard = new BufferedReader(isr);
    retString = keyboard.readLine();

    return retString;
}

```

**Outcome:**

run:

```

*****
* load <filename> ... load teams and results *
* add <team1-team2,goal1:goal2> ... add result *
* list {-name | -points} ... list order by *
* quit ... end of app *
*****
==>xy
error: command 'xy' not known
*****
* load <filename> ... load teams and results *
* add <team1-team2,goal1:goal2> ... add result *
* list {-name | -points} ... list order by *
* quit ... end of app *
*****
==>load xy.txt
xy.txt (No such file or directory)
*****
* load <filename> ... load teams and results *
* add <team1-team2,goal1:goal2> ... add result *
* list {-name | -points} ... list order by *
* quit ... end of app *
*****
==>load results.txt
*****
* load <filename> ... load teams and results *
* add <team1-team2,goal1:goal2> ... add result *
* list {-name | -points} ... list order by *
* quit ... end of app *
*****
==>list -name
----- order by name -----
    Team [name=Austria, points=0, goalsShot=3, goalsGot=6]
    Team [name=Germany, points=4, goalsShot=5, goalsGot=4]
    Team [name=Spain, points=7, goalsShot=7, goalsGot=4]
    Team [name=Sweden, points=0, goalsShot=1, goalsGot=2]
*****
* load <filename> ... load teams and results *
* add <team1-team2,goal1:goal2> ... add result *
* list {-name | -points} ... list order by *
* quit ... end of app *
*****
==>list -points
----- order by points -----
    1. Team [name=Spain, points=7, goalsShot=7, goalsGot=4]
    2. Team [name=Germany, points=4, goalsShot=5, goalsGot=4]
    3. Team [name=Austria, points=0, goalsShot=3, goalsGot=6]
    4. Team [name=Sweden, points=0, goalsShot=1, goalsGot=2]
*****
* load <filename> ... load teams and results *
* add <team1-team2,goal1:goal2> ... add result *
* list {-name | -points} ... list order by *
* quit ... end of app *
*****
==>list -xy
error: command 'list -xy' not known
*****
* load <filename> ... load teams and results *
* add <team1-team2,goal1:goal2> ... add result *
* list {-name | -points} ... list order by *
* quit ... end of app *
*****
==>add Austria-Australia,1:3

```

```
*****
* load <filename> ... load teams and results *
* add <team1-team2,goal1:goal2> ... add result *
* list {-name | -points} ... list order by *
* quit ... end of app *
*****
==>list -name
----- order by name -----
  Team [name=Australia, points=3, goalsShot=3, goalsGot=1]
  Team [name=Austria, points=0, goalsShot=4, goalsGot=9]
  Team [name=Germany, points=4, goalsShot=5, goalsGot=4]
  Team [name=Spain, points=7, goalsShot=7, goalsGot=4]
  Team [name=Sweden, points=0, goalsShot=1, goalsGot=2]
*****
* load <filename> ... load teams and results *
* add <team1-team2,goal1:goal2> ... add result *
* list {-name | -points} ... list order by *
* quit ... end of app *
*****
==>list -points
----- order by points -----
  1. Team [name=Spain, points=7, goalsShot=7, goalsGot=4]
  2. Team [name=Germany, points=4, goalsShot=5, goalsGot=4]
  3. Team [name=Australia, points=3, goalsShot=3, goalsGot=1]
  4. Team [name=Austria, points=0, goalsShot=4, goalsGot=9]
  5. Team [name=Sweden, points=0, goalsShot=1, goalsGot=2]
*****
* load <filename> ... load teams and results *
* add <team1-team2,goal1:goal2> ... add result *
* list {-name | -points} ... list order by *
* quit ... end of app *
*****
==>quit
```