Card Game

Fundamental Java Resit Project
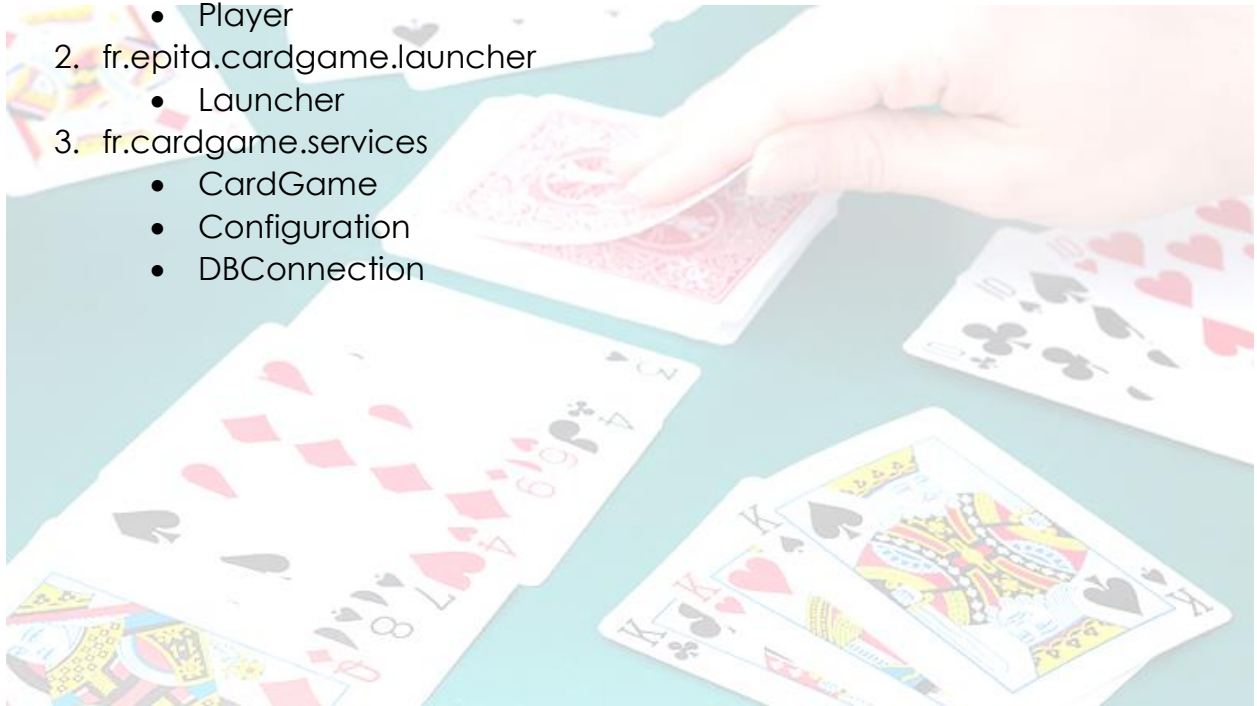
Technical Guide
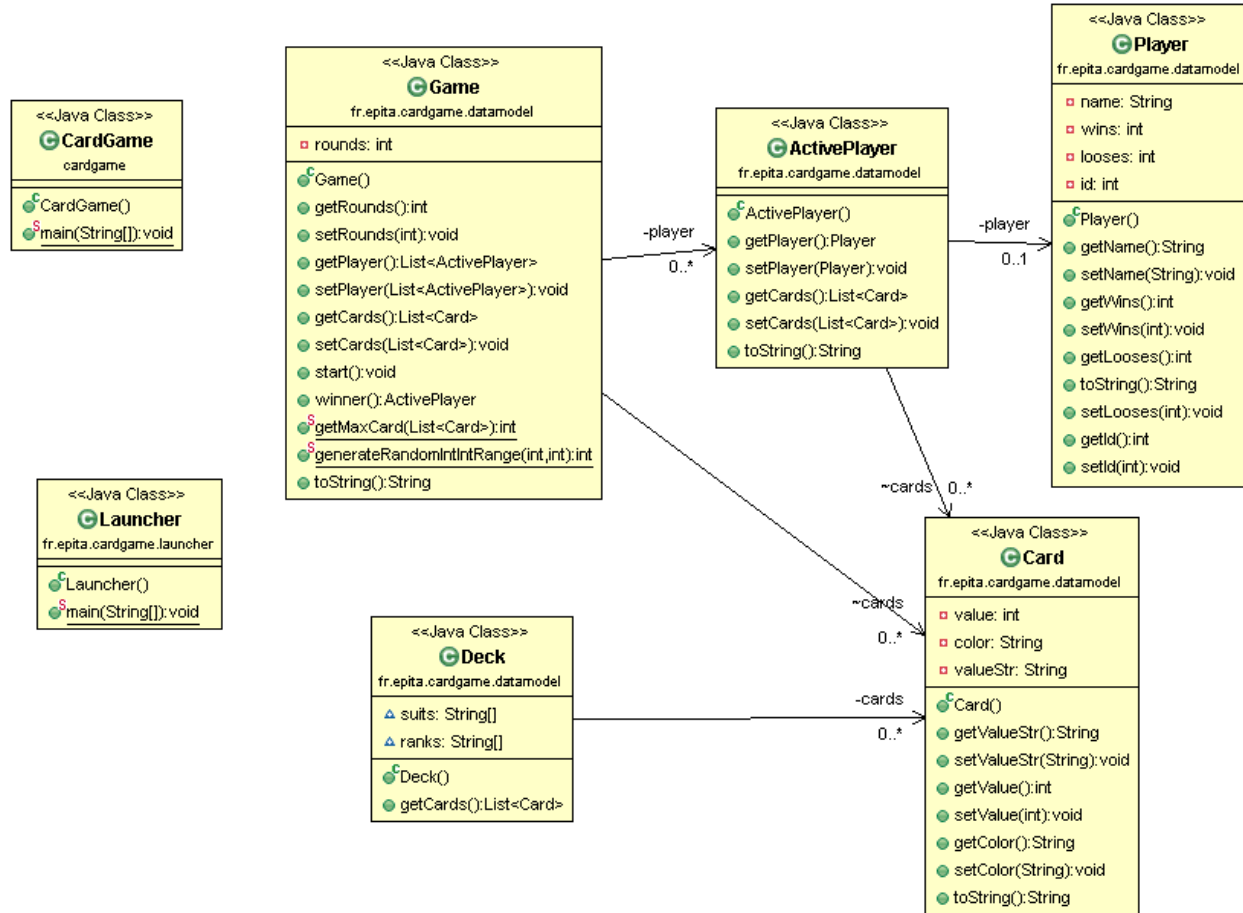
Dogara ISHAKU
ISM

Tools Used

- Built on Java SE Development Kit
- Developed using Eclipse IDE
- H2 Database (h2-1.4.197.jar)

Packages and Classes

1. fr.epita.cardgame.datamodel
   - ActivePlayer
   - Card
   - Deck
   - Game
   - Player
2. fr.epita.cardgame.launcher
   - Launcher
3. fr.cardgame.services
   - CardGame
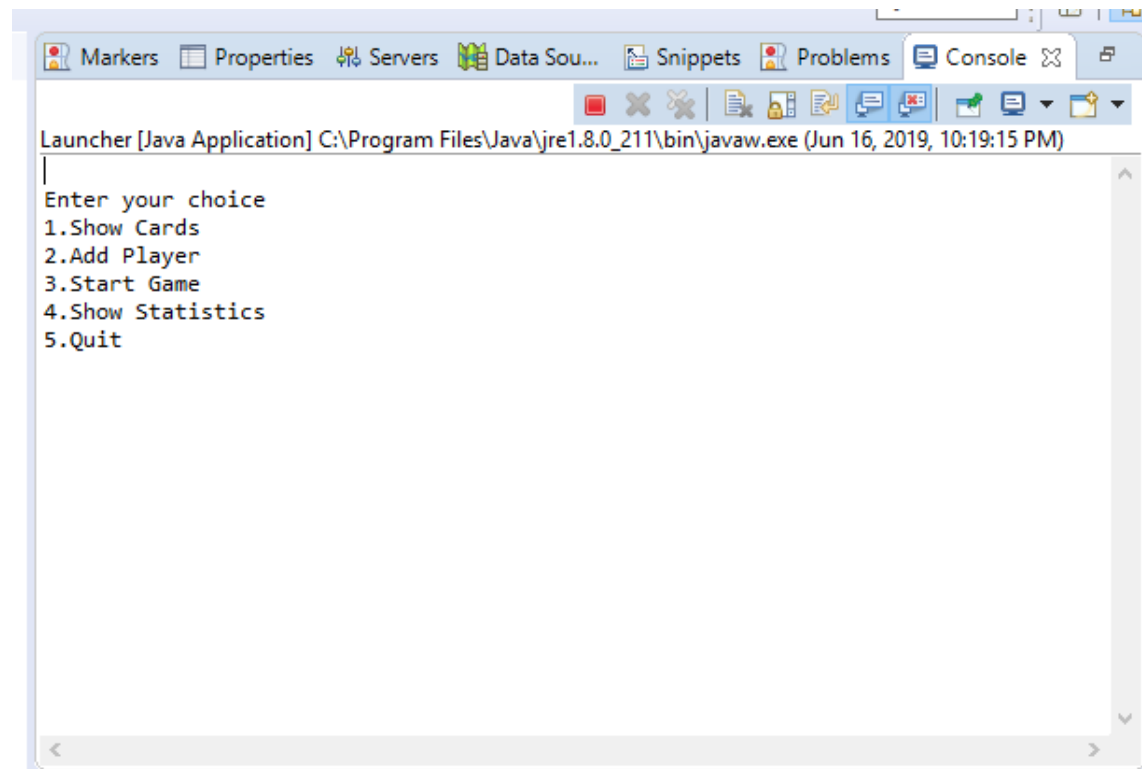   - Configuration
   - DBConnection

UML Diagram

Creating Table

CREATE TABLE IF NOT EXISTS PLAYERS(id int not null AUTO_INCREMENT,username varchar(255),win int,lost int,primary key(id));

Program Output

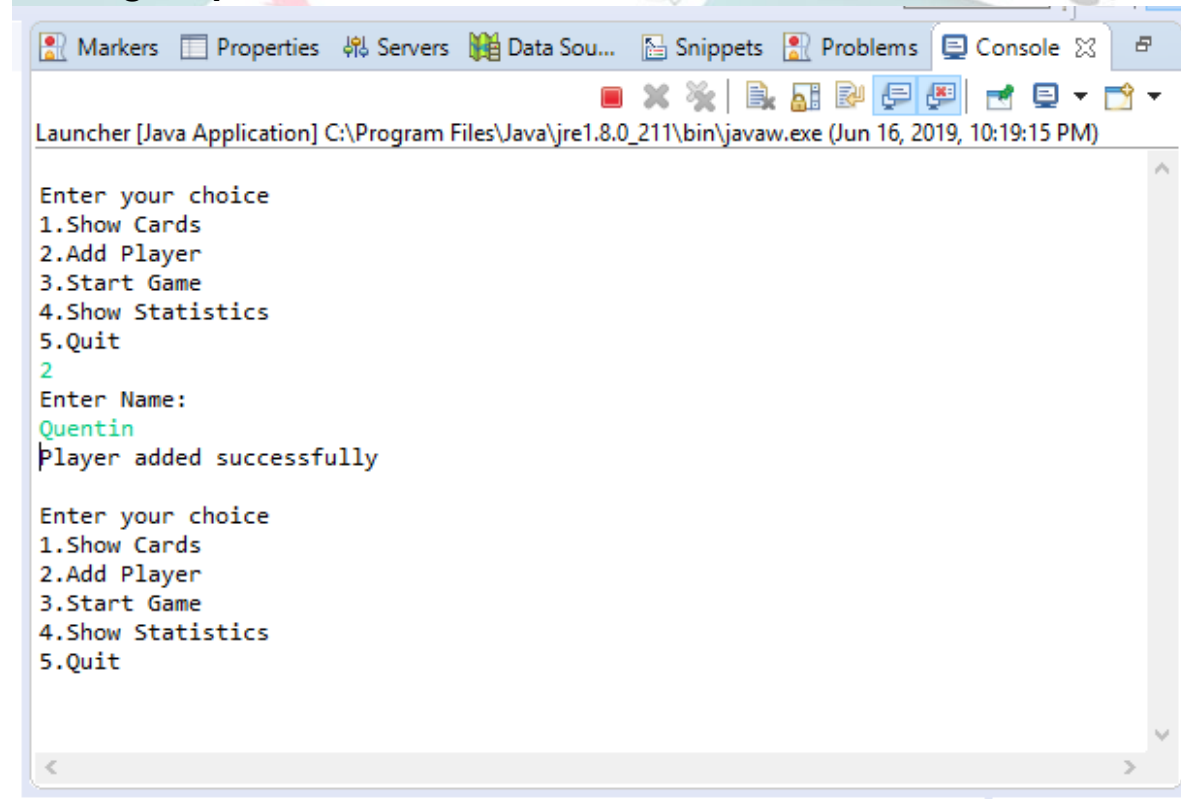I have attached below some screenshots of the output of the program.

Menu

```
Enter your choice
1.Show Cards
2.Add Player
3.Start Game
4.Show Statistics
5.Quit
```

Adding Players

```
Enter your choice
1.Show Cards
2.Add Player
3.Start Game
4.Show Statistics
5.Quit
2
Enter Name:
Quentin
Player added successfully

Enter your choice
1.Show Cards
2.Add Player
3.Start Game
4.Show Statistics
5.Quit
```
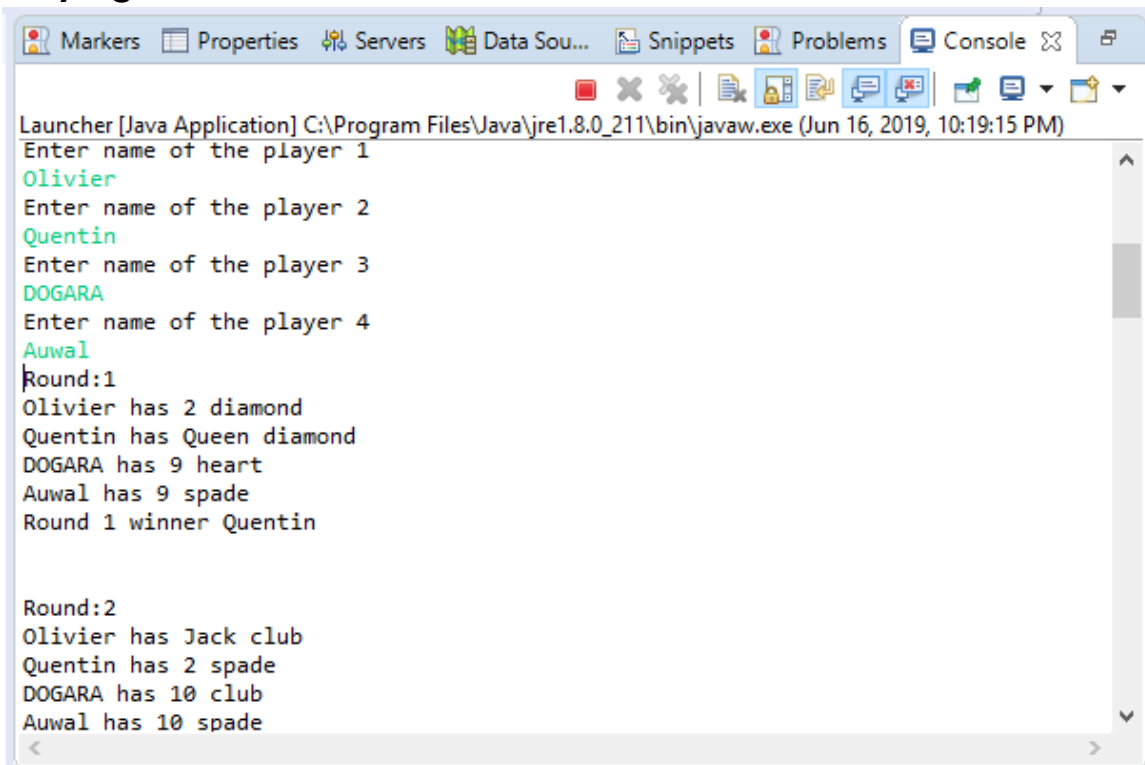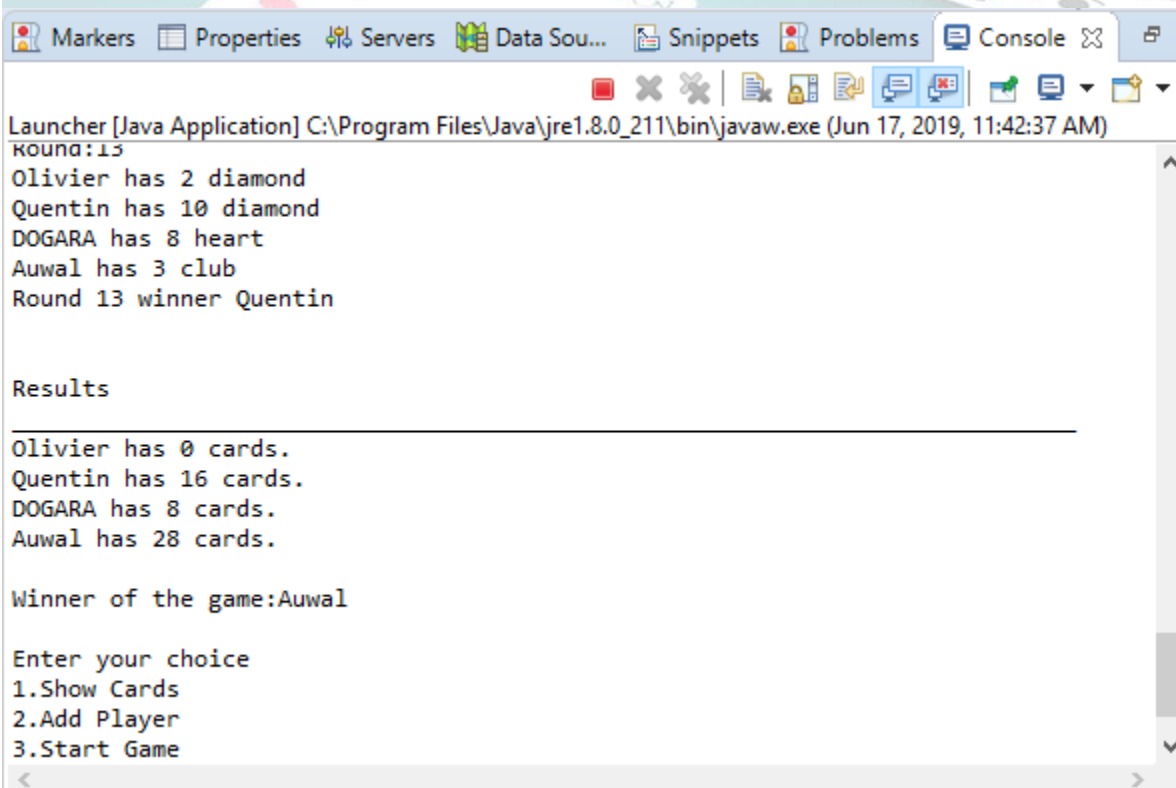
Playing the Game

```
Markers  Properties  Servers  Data Sou...  Snippets  Problems  Console

Launcher [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (Jun 16, 2019, 10:19:15 PM)
Enter name of the player 1
Olivier
Enter name of the player 2
Quentin
Enter name of the player 3
DOGARA
Enter name of the player 4
Auwal
Round:1
Olivier has 2 diamond
Quentin has Queen diamond
DOGARA has 9 heart
Auwal has 9 spade
Round 1 winner Quentin


Round:2
Olivier has Jack club
Quentin has 2 spade
DOGARA has 10 club
Auwal has 10 spade
```

Results

```
Markers  Properties  Servers  Data Sou...  Snippets  Problems  Console

Launcher [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (Jun 17, 2019, 11:42:37 AM)
Round:13
Olivier has 2 diamond
Quentin has 10 diamond
DOGARA has 8 heart
Auwal has 3 club
Round 13 winner Quentin


Results
_____
Olivier has 0 cards.
Quentin has 16 cards.
DOGARA has 8 cards.
Auwal has 28 cards.

Winner of the game:Auwal

Enter your choice
1.Show Cards
2.Add Player
3.Start Game
```
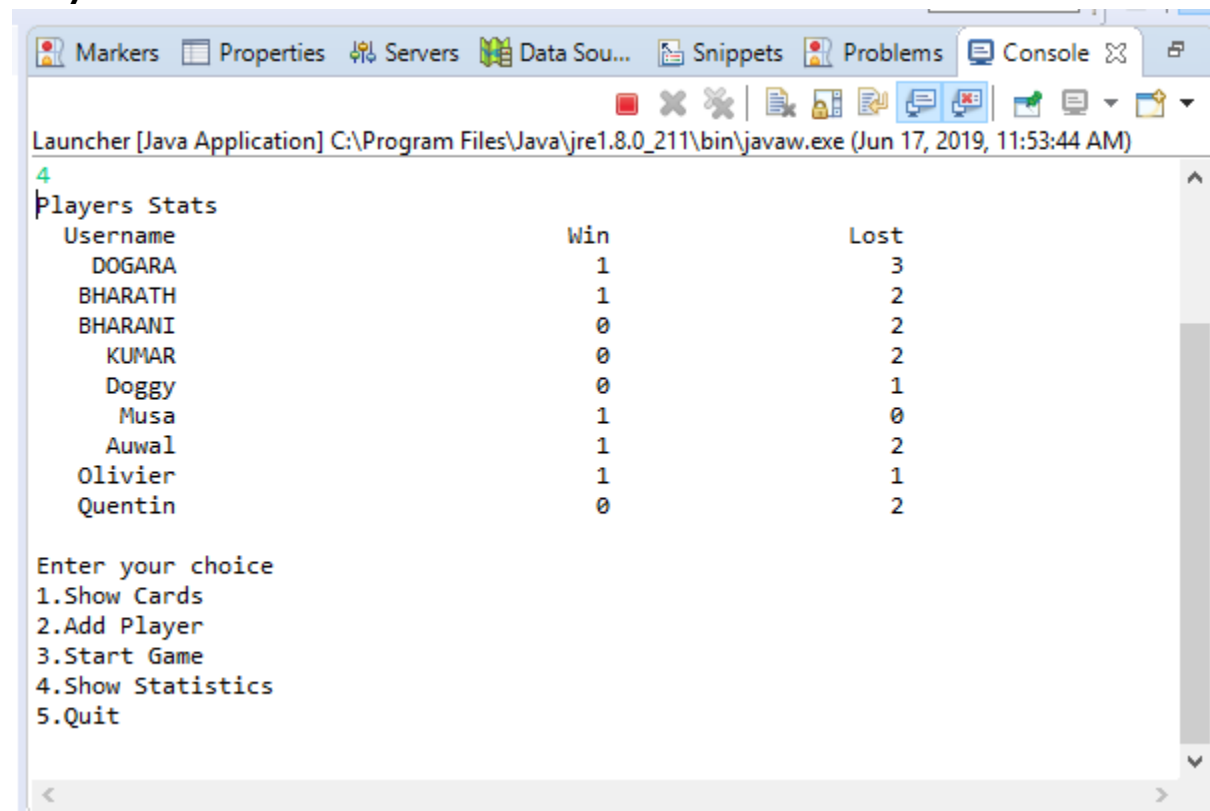
Players Statistics

```
Markers    Properties    Servers    Data Sou...    Snippets    Problems    Console

4
Players Stats
  Username                    Win                  Lost
    DOGARA                     1                     3
   BHARATH                     1                     2
   BHARANI                     0                     2
     KUMAR                     0                     2
     Doggy                     0                     1
      Musa                     1                     0
     Auwal                     1                     2
   Olivier                     1                     1
   Quentin                     0                     2


Enter your choice
1.Show Cards
2.Add Player
3.Start Game
4.Show Statistics
5.Quit
```