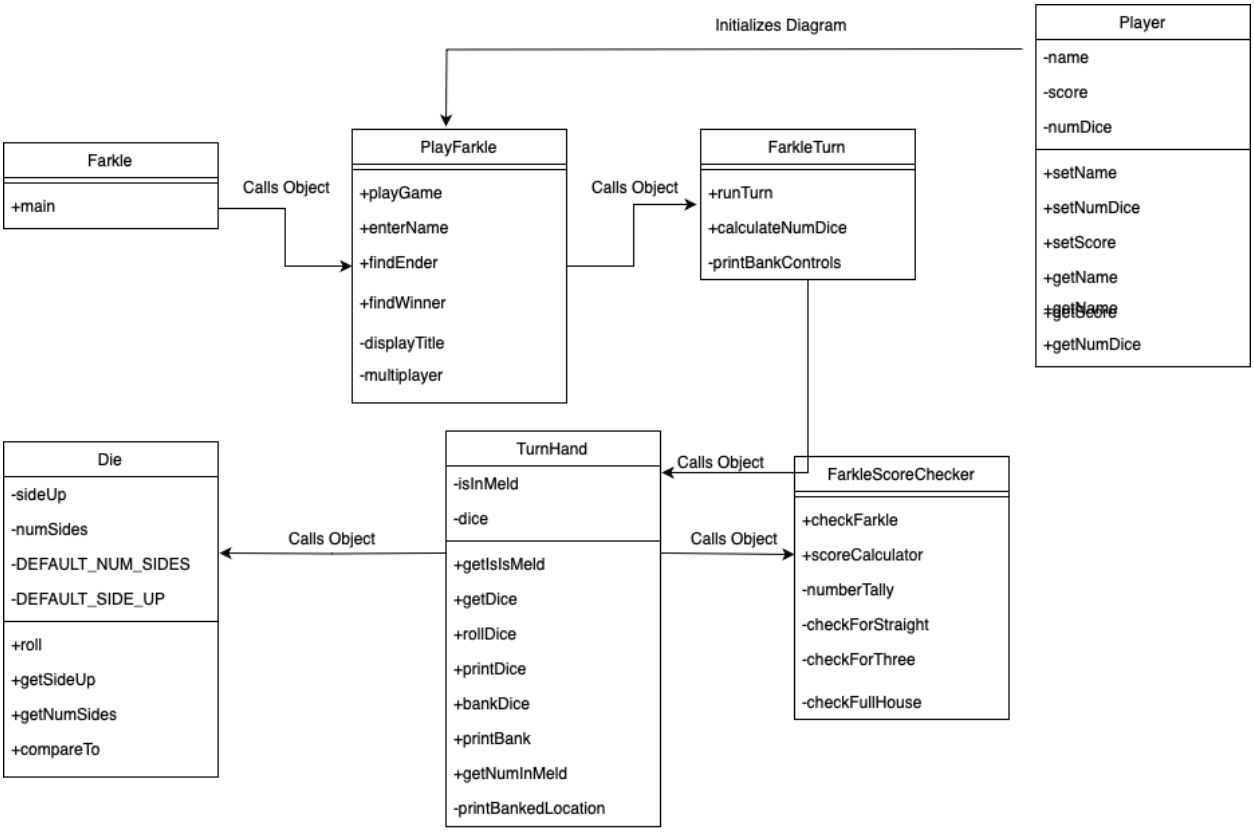
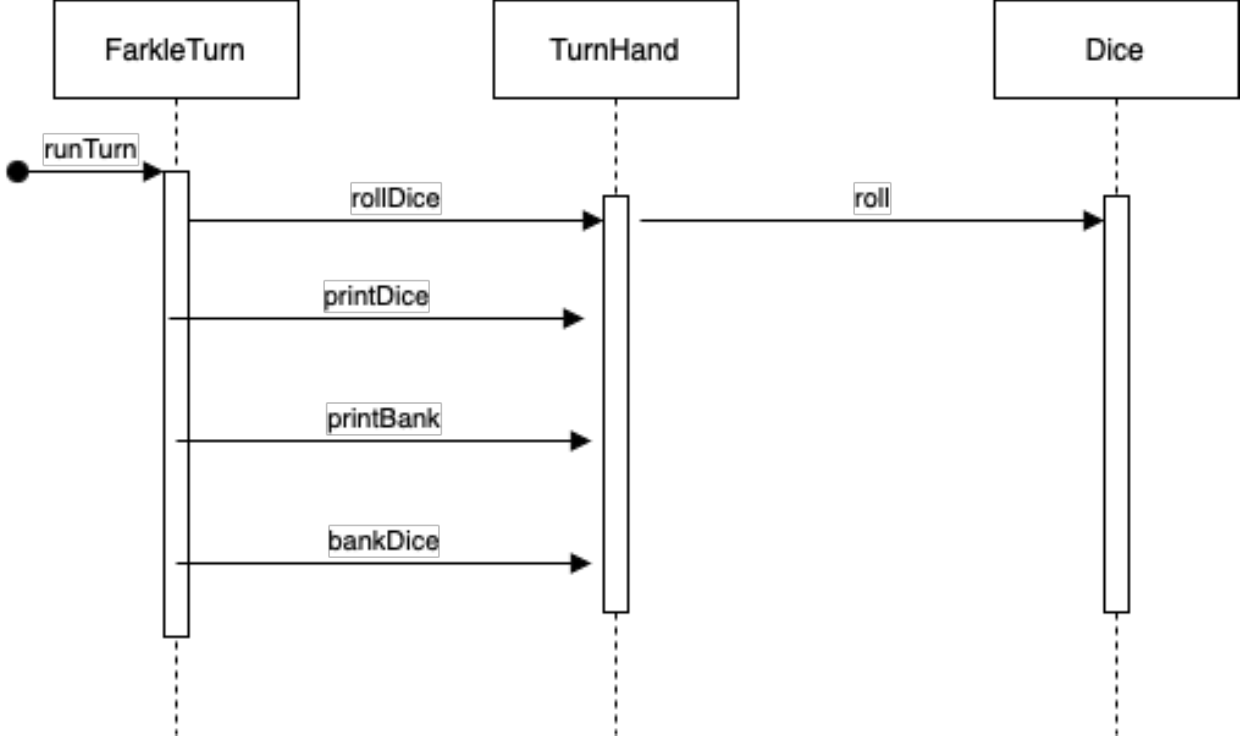
The General purpose of this program is to be able to play through a full game of Farkle. It can run both single player and multiplayer games completely, and have them play to a selected score. Once the selected score is reached in multiplayer, a proper Farkle endgame initiates to end the game.

The general design for my program was object oriented. I created more classes to go along with my earlier classes from the earlier projects. The classes all interact with each other to create my version of Farkle.

One test I am proud of is my test that I wrote is my set score to play to test. This test checks that the score that is being set is accurate. This allows me to verify that the game is always starting to the correct score, which is essential to end the game correctly.

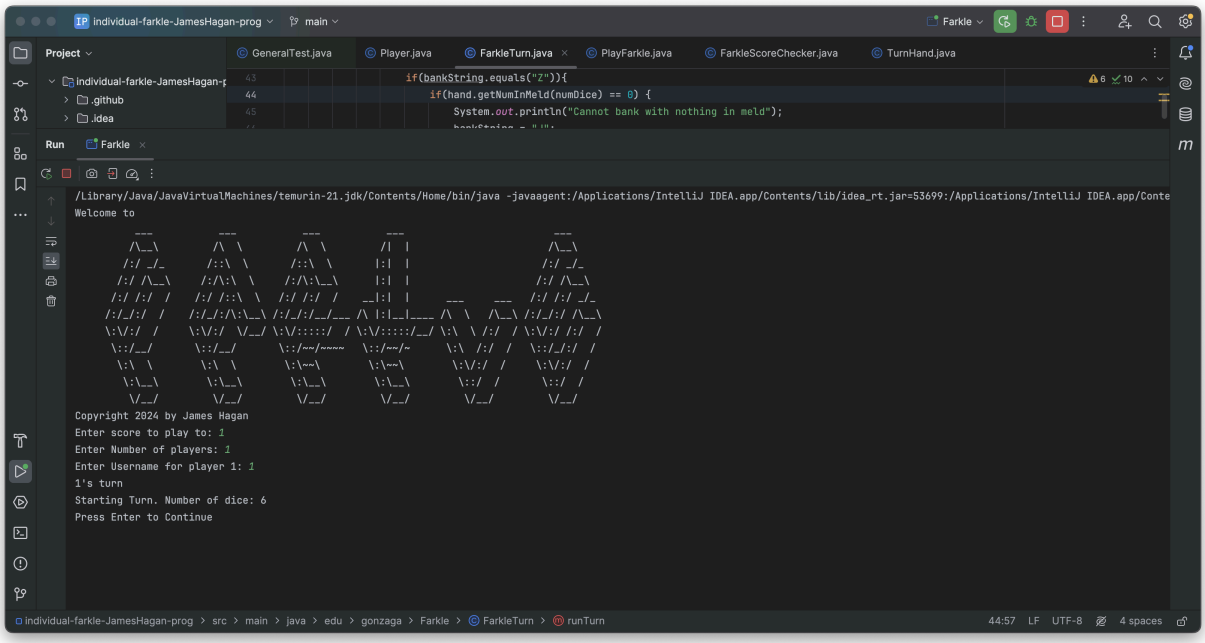


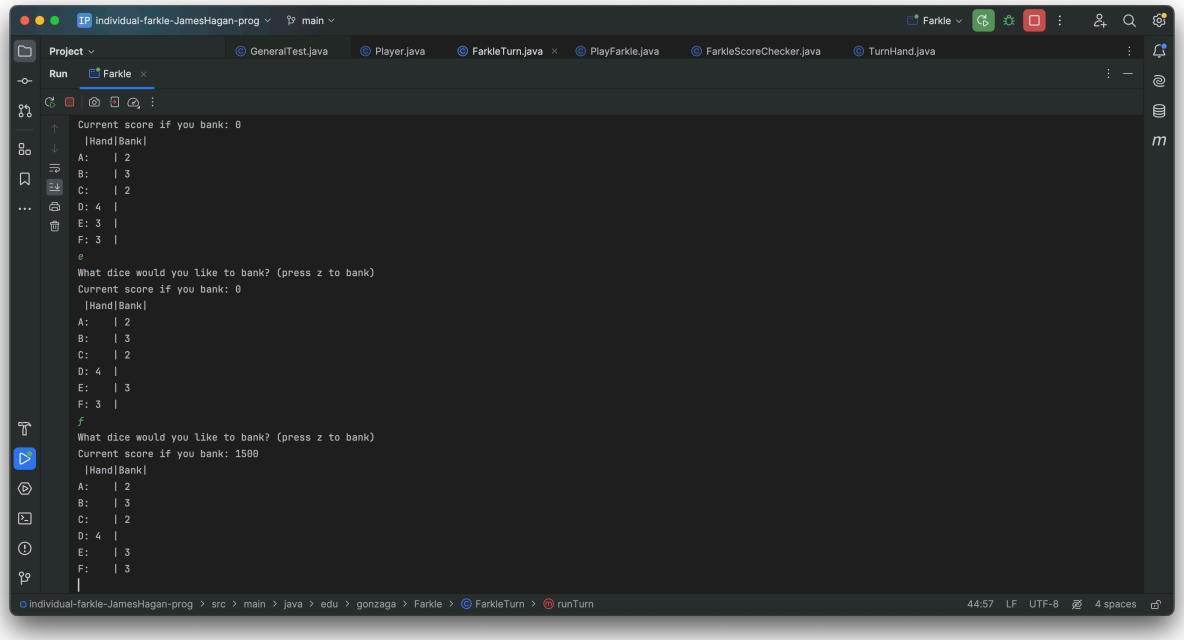


I did not have any major programming issues in my project.

One thing I would have done differently if I had more time was to implement a different way of reading input. The grader suggested adding it so that when I press a button, it counts as input. I unfortunately was not able to find a way to do this in the time allocated for this project.

Appendix:




individual-farkle-JamesHagan-prog
main
Farkle
Project
GeneralTest.java
Player.java
FarkleTurn.java
PlayFarkle.java
FarkleScoreChecker.java
TurnHand.java
Run
Farkle
Current score if you bank: 0
|Hand|Bank|
A: | 2
B: | 3
C: | 2
D: 4 |
E: 3 |
F: 3 |
e
What dice would you like to bank? (press z to bank)
Current score if you bank: 0
|Hand|Bank|
A: | 2
B: | 3
C: | 2
D: 4 |
E: | 3
F: 3 |
f
What dice would you like to bank? (press z to bank)
Current score if you bank: 1500
|Hand|Bank|
A: | 2
B: | 3
C: | 2
D: 4 |
E: | 3
F: | 3
individual-farkle-JamesHagan-prog > src > main > java > edu > gonzaga > Farkle > FarkleTurn > runTurn
44:57 LF UTF-8 4 spaces


|Hand|Bank|
A: 2 |
B: 3 |
C: 5 |
D: 4 |
E: 4 |
F: | 1
x
Your turns score: 100
Congrats!
Final Score: 100


Run
Farkle
Welcome to
Copyright 2024 by James Hagan
Enter score to play to: 1000
Enter Number of players: 3
Enter Username for player 1: e
Enter Username for player 2: we
Enter Username for player 3: de
e's turn
Starting Turn. Number of dice: 6
Press Enter to Continue
Now rolling our die!
Die 1: 2
Die 2: 3
Die 3: 2
Die 4: 4
Die 5: 3

```
Your turns score: 400
Turn over, end of turn scores:
e: 150
we: 50
de: 400

e's turn
```

```
F: 5  |
x
Your turns score: 500
Game over, final scores:
e: 400
we: 1050
de: 500

we
Congrats!
\   \  /   / /  __  \  |  |  |  |    \   \  /  \  /   / |  | |  \ |  | |  |
 \   \/   / |  |  |  | | |  |  |  |     \   \/    \/   /  |  | |   \|  | |  |
  \_    _/  |  |  |  | | |  |  |  |      \           /   |  | |  . `  | |  |
    | |    |  `--'  | |  `--'  |  |       \    /\    /    |  | |  |\   | |__|
    |__|     \______/   \______/   |        \__/  \__/     |__| |__| \__| (__)
Final Score: 1050
```