

Decision Tables

1. Game Mode Options Box Decision Table

Conditions	Rules		
Single Player Mode	✓	✗	✗
Two Player Mode	✗	✓	✓
Human Opponent	✗	✓	✗
Computer Opponent	✗	✗	✓
Actions			
Display Player 1 Name Text Field	✓	✓	✓
Display Player 2 Name Text Field	✗	✓	✓
Enable Player 2 Name Text Field	✗	✓	✗
Display Opponent Type Selection	✗	✓	✗
Supply the Name "Computer" to the Player 2 Name Text Field	✗	✗	✓

2. Game Initialization Decision Table

Conditions	Rules							
Single Player Mode	✓	✓	✗	✗	✗	✗	✗	✗
Two Player Mode	✗	✗	✓	✓	✓	✓	✓	✓
Human Opponent	✗	✗	✓	✓	✓	✓	✗	✗
Computer Opponent	✗	✗	✗	✗	✗	✗	✓	✓
Player 1 name supplied	✗	✓	✗	✓	✗	✓	✗	✓
Player 2 name supplied	✗	✗	✗	✗	✓	✓	✗	✗
Actions								
Open the Single Player GUI	✓	✓	✗	✗	✗	✗	✗	✗
Open the Two Player GUI	✗	✗	✓	✓	✓	✓	✓	✓
Assign the Supplied Name to Player 1	✗	✓	✗	✓	✗	✓	✗	✓
Assign the Supplied Name to Player 2	✗	✗	✗	✗	✓	✓	✗	✗
Assign the Name "Jacob" to Player 1	✓	✗	✓	✗	✓	✗	✓	✗
Assign the Name "Brant" to Player 2	✗	✗	✓	✓	✗	✗	✗	✗
Assign the Name "Computer" to Player 2	✗	✗	✗	✗	✗	✗	✓	✓

3. Dice Roll Decision Table

Conditions	Rules									
Dice Have Been Rolled	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dice Have Been Selected All of Which Are Scoreable	✗	✗	✗	✗	✓	✓	✗	✗	✓	✓
Dice Have Been Selected Some of Which Are Not Scoreable	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗
No Dice Have Been Selected	✓	✓	✗	✓	✗	✗	✗	✗	✗	✗
No Dice for the Current Roll Are Scoreable	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗
The Turn Total is Greater than 300 Points	✗	✗	✗	✓	✗	✓	✗	✓	✗	✓
All Dice Have Been Selected and All Are Scoreable	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓
Actions										
Roll Button is Enabled	✓	✗	✗	✗	✓	✓	✗	✗	✓	✓
Select All Button is Enabled	✗	✓	✗	✓	✓	✓	✓	✓	✗	✗
Bank Button is Enabled	✗	✗	✗	✗	✗	✓	✗	✗	✗	✓
Farkle Message is Displayed	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗
Bonus Roll is Issued	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓
Roll Score is 0	✓	✓	✓	✓	✗	✗	✓	✓	✗	✗
Roll Score is Added to the Running Turn Score	✗	✗	✗	✗	✓	✓	✗	✗	✓	✓
Turn Score is Set to 0	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗