Poker five-card stud with betting by project team, Linus Freeman, and Brian Woltemate at [BWoltema@masonlive.gmu.edu](mailto:BWokoma@live.gmu.edu).

Here are the five card stud poker and betting rules we will design and implement:

<https://www.pagat.com/poker/variants/5stud.html>

Here is a summary of the rules for five-card stud poker and betting:

The dealer rotates counter clockwise and the dealer is able to have the system shuffle the deck of cards and ask the system to deal.

With 5 card stud each player first antes up a nickel (“nickel ante” for our project) before the hand is dealt.  The first card is dealt "down" to each player.

Then each player receives the next four cards "up", one at a time with betting (up to $1.00 max bet for our project) for each new card dealt.

Each player can bet by doing one of the following: (1) call, (2) raise, (3) fold, or (4) check if no raise is made.

After the fifth card is dealt "up" and bet on, a winner is determined based on the following card-hand rankings and receives the pot of money:

The rank of hands from lowest to highest is:

1.high card

2. pair

3. 4-straight

4. 4-flush

5.two pair

6.three of a kind

7.straight

8.flush

9.full house

10.four of a kind

11.straight flush

We will verify the rules and include them in the final implemented project.

Linus Freeman

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