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With online functionality beginning to be implemented, the core of my project is beginning to take shape. This portion of the project will begin to take me into the essential components that will help my project be able to stand out from others that are similar.

I began week seven by continuing work implementing online play for each of the games. I decided that I would get each online game working with two players, before implementing the necessary functionality to have multiple games working at once. I started by working on setting up Snip Snap Snorum for online play. This will involve implementing some of the same functions done with Crazy Eights. The easy part of this game was that, it does not sync up with the server as often. It only needed to sync with the server when the turn was passed to the other player. After some time, I managed to get all functionality working in the game with two people. Two different players can sign on and playing the game against each other. Once that was done, I moved to make tweaks to go fish. The original writeup of the game was not on par with usual ways that the game can be played. Before moving into setting up go fish online, I began reworking the offline version of the game. The initial set up of the game that I programed did not run like other iterations of the game. This version was based on removing two of a kind, and then winning by running out of cards. A more correct version involved attempting to get four of one kind of card in hand, and then removing those cards. When no more cards are present, the winner is the player with the most four of a kind. To fix this problem, I would have to do a complete rework of the game mechanics. This involved removing some initial functionality put in, and then setting up new functions for the game to perform. I started off by reworking how the game determined that a player’s hand contained four of one type of card in hand. It did this by going through each card and then counting each instance of that card’s value. After that, I moved into working on how to move cards from one player’s hand to another. This involved keeping track of which card we wanted to move, removing it from one hand, and then placing it in the other player’s hand. I would also need to change up how a player wins the game. When a player runs out of cards in their hand, they would draw a new five cards from the main deck. Then, when no more cards are present, the player who had the most four of a kind of cards would then win.