everything to do with working with game logic

+	FILES
game.h	
	type definitions and function prototypes for the exposed interface for working with game logic
game.c	= =
	implementation of card and deck functions

```
typedef struct {
  player *player;
  int numberOfPlayers;
  player *currentPlayer;
  card *deckOfCards;
}game;
```

keep track of the state of the game player is a linked list of players numberOfPlayers is the number of players currentPlayer is a pointer to the current player deckOfCards is the pool of cards in the middle of the table

```
FUNCTIONS
game.h
      void computerMove( game *g);
      void playerTurn(void);
      void deckOfCards(void);
      int checkIfWinner(game *g);
                          FUNCTIONS -- IN DETAIL
                                 ---game.h---
void computerMove( game *g, player *p);
      AI for go fish
      the computer makes an automated move
      Parameters:
            g -- a pointer to a game
            p -- a pointer to an automated player
      Returns:
            void
      Pre-conditions:
            g is not NULL
      Post-conditions:
            the computer makes a move, altering the state of the game
void playerTurn(game *g, player *p);
      allow the player to make a move
      Parameters:
```

```
g -- a pointer to a game
            p -- a pointer to a human player
      Returns:
           void
      Pre-conditions:
            g is not NULL
           p is not NULL
      Post-conditions:
           the human player makes a move, altering the state of the game
card *deckOfCards(game *g);
      take a card from the pool of cards on the table
      Parameters:
           g -- a pointer to a game
      Returns:
           a pointer to the card that was taken from the table
      Pre-conditions:
            g is not NULL
           the table still has cards on it
      Post-conditions:
            a card is removed from the table
void checkIfWinner(game *g, char resultContainer[]);
      check if someone has won the game
      Parameters:
           g -- a pointer to a game
           resultContainer -- a string to hold the winners, if any
      Returns:
           void
      Pre-conditions:
           g is not NULL
            resultContainer has enough elements to hold every player, just in case
                  everyone is tied
      Post-conditions:
           the result of the game is written into resultContainer
            if player 1 wins, resultContainer will be "1"
            if player 1 and 2 are tied, resultContainer will be "12"
```

if there are no winners yet, resultContainer will be ""
if everyone is tied, resultContainer will be "12345..."(assuming)
there will never be more than 7 players