```
KEY:
 FILE 11
                                                            🕊 = side notes
                                                            *= skeleton actions/comments
"Parent" Class
                                                            🐤=connects to Compare Structs
                                                            4 = using template
Public:
struct DrawCard &
                                                       FILE 2
  string Number
  string Suit (S,C,D,H)
                                                     struct Compare Suits<T> {
  string code for printing purposes
                                                       bool Compare (DrawCord*C1, DrawCord*C2)
  Ostream operator << ()
                                                        - auto SI = set Suits (CI. suits)
     -Overload insertion &
                                                        - auto S2 = set Suits (C2. suits)
     - Format for response
                                                       -If (CI == CZ)
return Compare Numbers (CI, CZ)
                                                        -return ((SI>S2)? True: False)
 - Constructor
                                                        int setSuit(string suit)
 -Destructor
                                                       -Set the values of suit
                                                       - Maybe do this -> Switch (cardSvit)
 - Draw Card * Get Suits (char's) virtual
                                                                    case H:4
                                                                    case D: 3
                                                                    case C: Z
case S: 1
 - DrawCard * Get Value (int n) virtual
                                                   struct Compare Numbers <T>
 -Drawlard * Draw Hand ( ) virtual
                                                      DOUL COMPARE (DrawCord * CI, DrawCord * CZ)
                                                        - auto NI = C1. numbers
                                                        - auto N2 = C2. numbers
 -Ostream
                                                        -1f(\lambda) = = \lambda/2
 - Template < T> Bubble Sort
                                                           return Compare Suits (C1, C2)
                                                        -return ((NI >N2)? True: False)
 - void Pretty Print virtual if needed
                                                  FILE 31
Protected:
- Data (same as before) virtual
                                                   MAIN: Mini Games call dif.
-EndOf Data () virtual
                                                                 parameters for API
                                                                    #1-no jokers
Private:
                                                                    #2-include jokers
  vector<char>JsonData
  DrawCord ** Cord
                                                                 ·Use small functions
                                                                   to call into main
  CardsDealt = 1
                                                                 · "jokers_enabled" "true"
                                                                   Soker: code = X1, X2
value = JOHER
                                                                           suit = RED, BLACK
```

·Make inputs all uppercase

(exception)

FILE 41 Mini Game 1

Private:

int user Guess DrawCard* Card;

Public:

Draw Hand (Draw Card * card)

- Draw card @ index[1]

GetGuess

-send guess to Compare XXX

CheckGuess

-dof

If (guess != answer)
If (guess > onswer)
else if (guess < answer)
else Throw "invalid entry"

else if (quess == answer) } while (guess <= 5)

-return SendResponse?

Send Response?

- You won

-You lost → max guesses reached

FILE SJ

MiriGame 2

Private:

int numOfCards = 0

Public:

SetNumOfCards (int num)

- num -> User asked for # of cords to draw return numOfCards = num

Draw Hand (Draw Card * card)

- Set max count of drawn cards - exception handling

SearchForJoker

-Uses DrawHand values to iteratate and check if any are Jokers - If Jokerfound = true,

"Joker found, redrawing card"

DrawCard * Get Suits (char's)

DrawCard *Get Value (int n)

Compare Numbers < T>

-recieves card numbers

-BubbleSort

Compare Suits < T>

- recieves card suits

-BubbleSort