ASSIGNMENT 1 DESIGN

Pseudocode

start

Random seed and players inputted

Necessary arrays and integers created

Loops error till correct range

Checks if number players is in 0-10 range

False

If correct range

True

Infinite while loop

If they have $3

For loop to roll the die
If Left give person to the left using left function
If Right give person to the right using right function
If Center give to the pot
If else skip

If they have $2

For loop to roll the die
If Left give person to the left using left function
If Right give person to the right using right function
If Center give to the pot
If else skip

If they have $1

For loop to roll the die
If Left give person to the left using left function
If Right give person to the right using right function
If Center give to the pot
If else skip

else

Skip roll

Goes through check loop to check if there is winner

Increase pos by one or set to 0 if pos is equals the amount of players

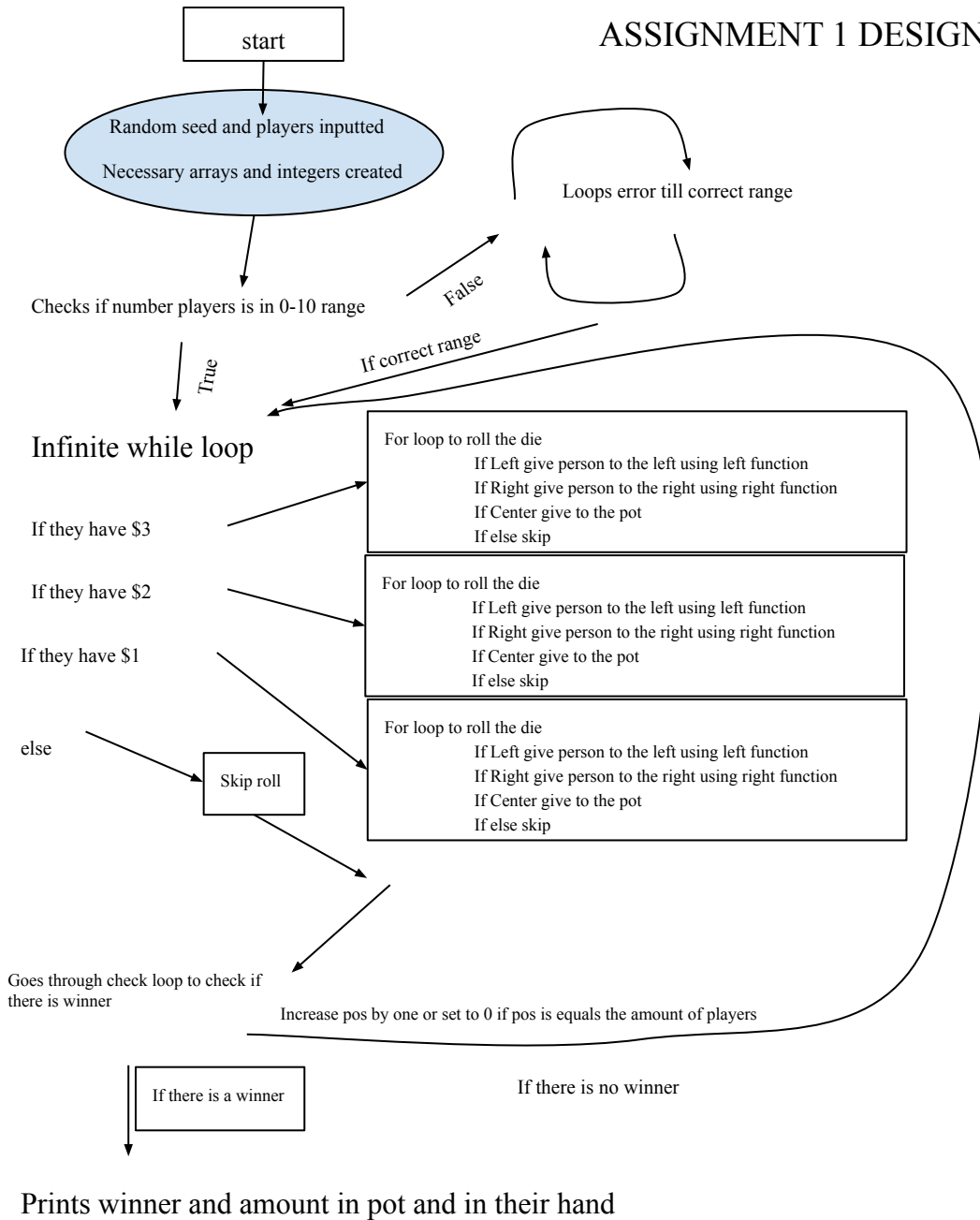If there is a winner

If there is no winner

Prints winner and amount in pot and in their hand

Right position function (given in asgn1 documentation)
Left position function(given in asgn1 documentation)
Pos = 0
Pot = 0
Creates the die array
Asks for random seed and amount of players
Checks if number players in range 0-10
If not prints error and loops till number inputted is in range
Sets list to required names
Sets list of amount of money in hands to 3
Start of infinite while loop
    If they have $3
        For loop to roll the die three times
            If Left give person to the left using left function
            If Right give person to the right using right function
            If Center give to the pot
            If else skip
    Else if they have $2
        For loop to roll the die twice
            If Left give person to the left using left function
            If Right give person to the right using right function
            If Center give to the pot
            If else skip
    Else if they have $1
        For loop to roll the die
            If Left give person to the left
            If Right give person to the right
            If Center give to the pot
            If else skip
    Else
        Skip roll
    Check = 0
    For loop checking if how many
    people have money
        If they don't have any money
            Check increased
            by 1
            And that amount in hand is total_hand set to
    If check == 1 meaning only one has money
    left
        Break the infinite while loop
    If pos equals the amount of people
        Set pos to 0
    Else
        Increase pos by one

If while loop broke
Print winner with amount in pot and in their hand