# **Pseudo Code**

DECLARE all variables

INPUT name

Randomly generates the dice value (1 to 6)

IF (dice=1 or dice=2 or dice=3 or dice=4 or dice=5 or dice=6)

Prints a specific letter

Asks user to input choice again

Rolls again dice and sets value of dice (1 to 6)

Determine the possible hands by checking dice value and re-roll

Sets values of following variables if:

**Pair:** Does exactly one rank bucket have a value of exactly 2, with no other bucket having a value above 1 and no flush?

**Two Pair:** Do two or more rank buckets have a value of exactly 2, with no bucket having more than 2 and no flush?

**TOAK:** Does exactly one bucket have a value of exactly 3, with no other bucket having a value greater than 1 and no flush?

**Straight:** Do five consecutive rank buckets have a value of 1 or more with no flush?

**Flush:** Does any suit bucket have 5 or more cards?

**Full House:** Does anyone rank bucket have a value of 3 and any other bucket have a value of 2

**Four of a Kind:** Does anyone rank have a value of 4?

**Straight Flush:** Is there both a straight and a flush

Prints result to user

# **FLOWCHART**

