Review Code and Analyze Execution Flow

* The game starts by welcoming the player and setting an initial purse of 5000 Mon.
* The game enters a loop where it prompts the player to place a bet or quit.
* Each round, two dice are rolled, and the player guesses if the result is “Cho” (even) or “Han” (odd).
* If the player’s guess is correct, they win the bet with a house deduction; otherwise, they lose.
* If the dice roll totals 2 or 7, the player gets a bonus.

Flowchart

A screenshot of a computer screen

Description automatically generated

Modified chohan.py

# Cho-Han by Al Sweigart, modified by Amit for Module 3 assignment

# Changes:

# - Updated input prompt to use initials (ar)

# - Adjusted house percentage to 12% from the original 10%

# - Added bonus rule and message for dice rolls totaling 2 or 7

print("Welcome to Cho-Han! Roll a 2 or 7 and earn a 10 mon bonus!")

purse = 5000

while True:

print(f"You have {purse} mon. How much do you bet? (or QUIT)")

bet = input("ar: ") # Updated input prompt to use initials

# Check if the user wants to quit

if bet.lower() == "quit":

print("Thanks for playing!")

break

# Roll two dice

import random

dice1 = random.randint(1, 6)

dice2 = random.randint(1, 6)

dice\_total = dice1 + dice2

# Check for bonus if the dice total is 2 or 7

if dice\_total == 2 or dice\_total == 7:

print(f"Bonus! You rolled a {dice\_total}. You get a 10 mon bonus!")

purse += 10

# Ask the player to guess cho or han

guess = input("Guess Cho (even) or Han (odd): ").lower()

# Check if the player's guess is correct

if (dice\_total % 2 == 0 and guess == "cho") or (dice\_total % 2 != 0 and guess == "han"):

print("You won!")

# Apply 12% house cut on the winnings

purse += int(bet) - int(int(bet) \* 0.12)

else:

print("You lost!")

purse -= int(bet)