Main Menu

Main menu is displayed

User is asked to choose option 1,2,3 or 4

Did the user choose option 1?

Option 1 is displayed for the user

Yes

No

Did the user choose option 2?

Option 2 is displayed for the user

Yes

No

Did the user choose option 3?

Option 3 is displayed for the user

Yes

No

Did the user choose option 4?

The user is told their input is invalid

No

Yes

The user is told the rules and asked to enter their guess

GAMEPLAY

Option 1

No

Yes

Yes

No

Did the user say no?

Did the user say yes?

The user is told their input is invalid

The dice is displayed and the user is told if they have won or lost, they are then asked if they want to play again

The guess is accepted and the program uses “random” to decide roll the dice

Yes

Did the user enter a valid guess?

No

The players are shown the rules

GAMEPLAY

Option 2

Player one is asked to enter a dice roll guess

Did player one enter a valid value?

The program tells player one the value was invalid

No

Yes

Player two is asked to enter a dice roll guess

Did player two enter a valid value?

The program tells player two the value wqs invalid

No

Yes

The dice is shown

Did anyone win?

+1 to the Draw score

NO

Yes

+1 to the winners score

The user is asked if they want to play again

does the user want to play again?

Yes

NO

The players are shown the rules and the grid is loaded

GAMEPLAY

Option 3

Player one is asked to roll the dice

Player ones movement is shown on the grid

Player two is asked to roll the dice

Player two’s movement is shown on the grid

The program tells player they need an exact amount to win

Has the player landed within 6 from place 25?

No

Yes

Did anyone win?

NO

Yes

+1 to the winners score

The user is asked if they want to play again

does the user want to play again?

Yes

NO