Project #1 - Flowchart

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Purpose: Roulette

System Libraries:
iostream, cstdlib, ctime,
iomanip, fstream,
string.h, cmath

User Libraries

Global Constants:
MIN_NUM=1,
MAX_NUM=36

Function
Prototypes:
bool isEven(int n)
(n%2==0)

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Main

Declare Variables:
int num, rng
float bet, wins=0
char
gameT[2], evenodd[2]

Prompt User to input how
much money they would like to
gamble
and whether they would like to
bet number (N), odd numbers
(O) or even numbers (E)?.

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If gameT = T — True → srand(time(NULL)) → rng=rand()%(MAX_NUM-MIN_NUM+1)+MIN_NUM

If gameT = E

If gameT = E — True

True

wins-=bet = You lose $

wins+=bet = You win $

If gameT = T

wins+=35*bet = You win $

if (wins<bet) — True → You lost a total of $ abs(wins)

else — True → You won a total of $ wins

Return