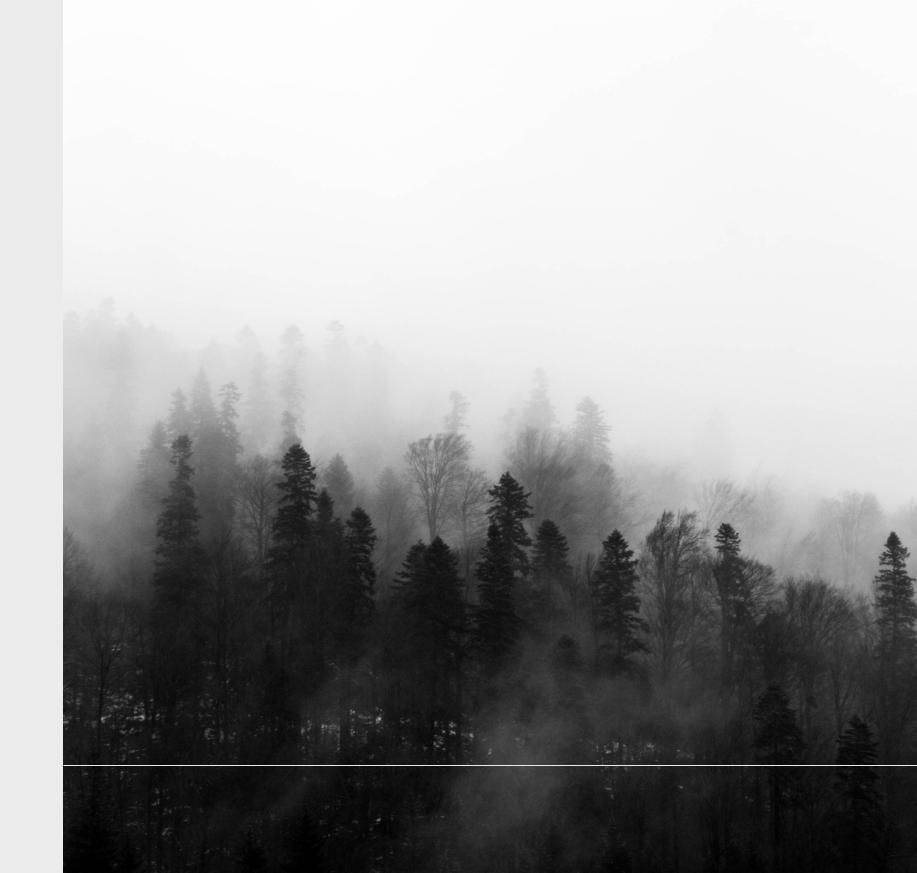
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Rock Paper Scissor Game

Using C Programming



Code

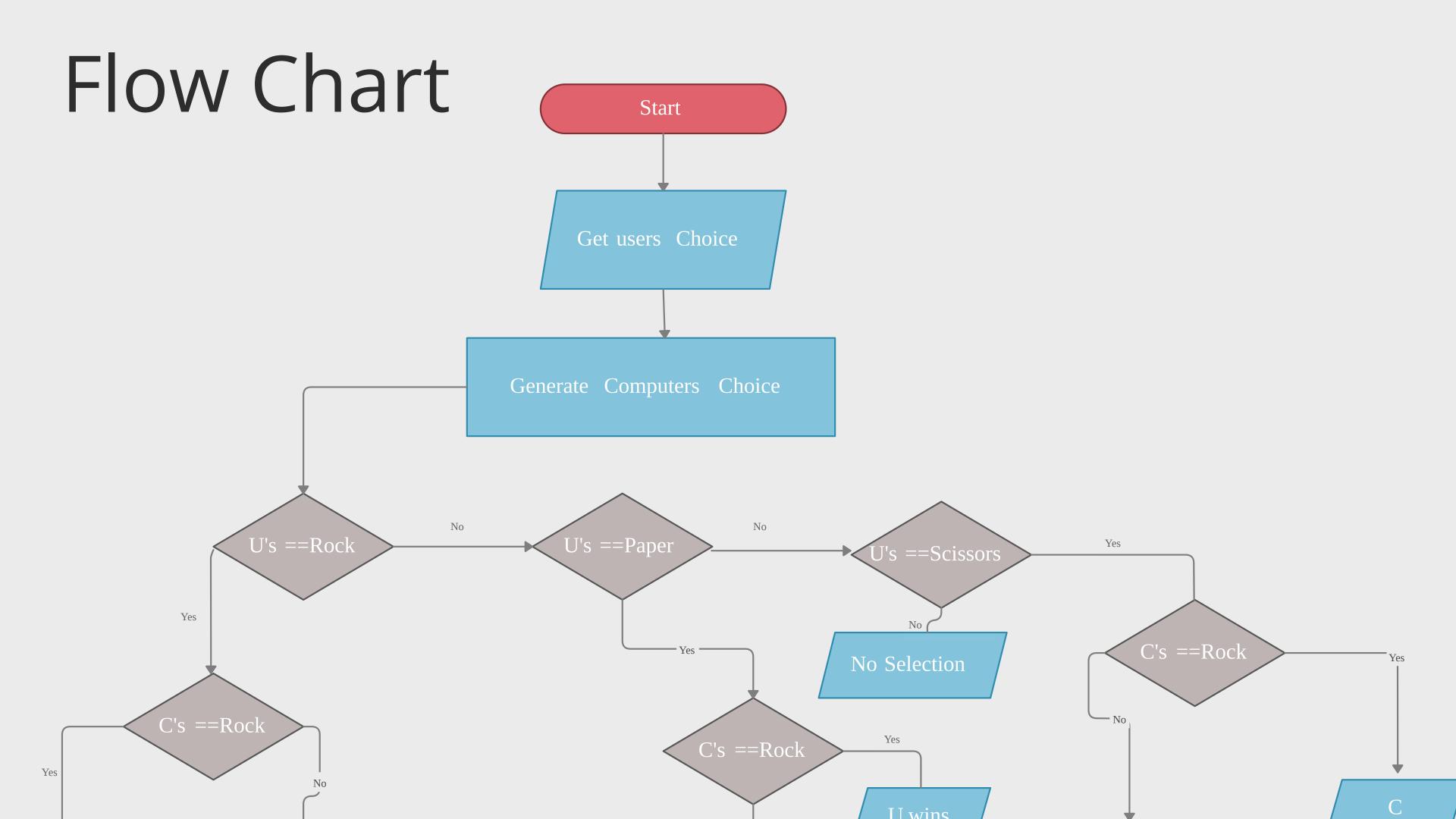
```
#include <math.h>
#include <stdio.h>
#include <stdlib.h>
#include <time.h>
// Function to implement the game
int game(char you, char computer)
   // If both the user and computer
   // has chose the same thing
   if (you == computer)
       return -1;
```

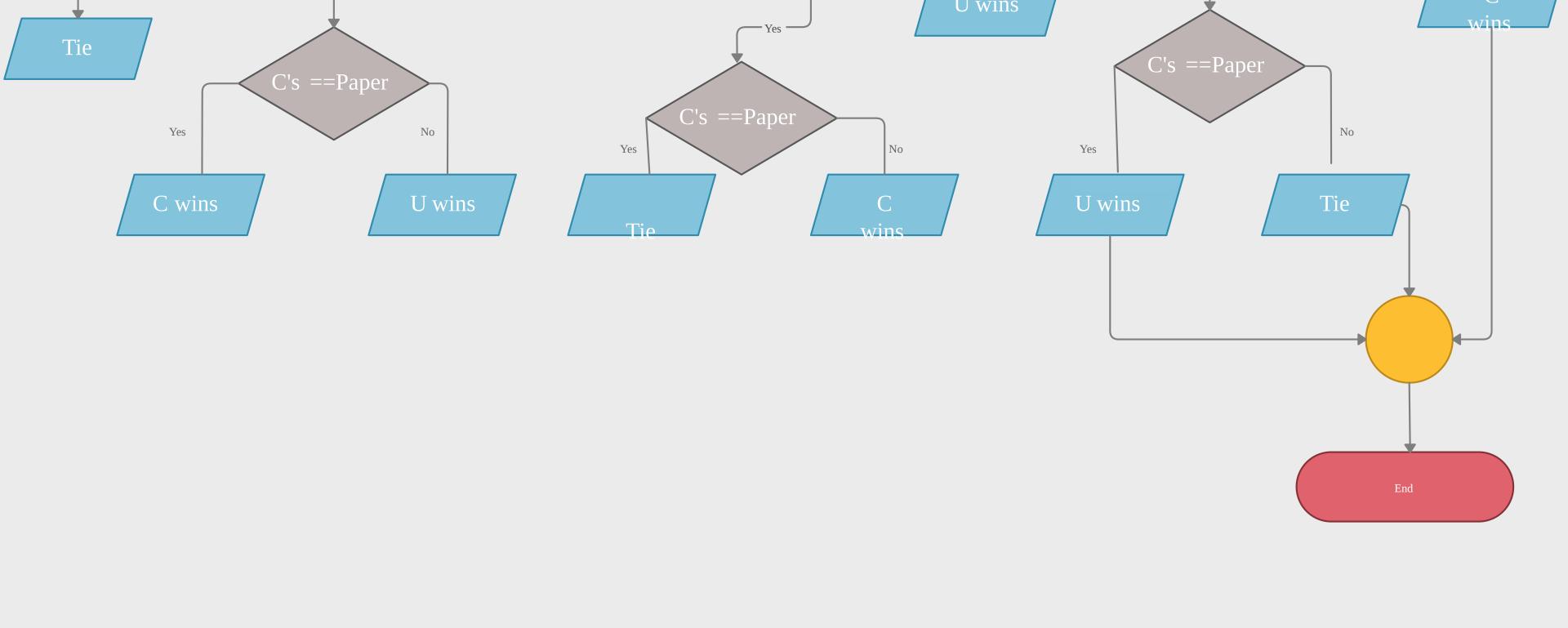
```
// If user's choice is stone and
// computer's choice is paper
if (you == 's' && computer == 'p')
   return 0;
// If user's choice is paper and
// computer's choice is stone
else if (you == 'p' && computer == 's')
   return 1;
// If user's choice is stone and
// computer's choice is scissor
if (you == 's' && computer == 'z')
   return 1;
```

```
// If user's choice is scissor and
// computer's choice is stone
else if (you == 'z' && computer == 's')
    return 0;
// If user's choice is paper and
// computer's choice is scissor
if (you == 'p' && computer == 'z')
   return 0;
// If user's choice is scissor and
// computer's choice is paper
else if (you == 'z' && computer == 'p')
   return 1;
```

```
// Driver Code
                                                 n = rand() \% 100;
int main()
                                                 // Using simple probability 100 is
   // Stores the random number
                                                 // roughly divided among stone,
                                                 // paper, and scissor
   int n;
                                                 if (n < 33)
   char you, computer, result;
                                                     // s is denoting Stone
   // Chooses the random number
                                                     computer = 's';
   // every time
   srand(time(NULL));
                                                 else if (n > 33 \&\& n < 66)
   // Make the random number less
                                                     // p is denoting Paper
   // than 100, divided it by 100
                                                     computer = 'p';
```

```
// z is denoting Scissor
                                                 printf("Game Draw!\n");
else
   computer = 'z';
                                             else if (result == 1) {
                                                 printf("Wow! You have won the
printf("Enter's for STONE, p for PAPER
                                                game!\n'');
and z for SCISSOR\n'');
                                             else {
// input from the user
                                                 printf("Oh! You have lost the
scanf("%c", &you);
                                                game!\n");
                                             printf("YOu choose: %c and Computer
// Function Call to play the game
                                             choose: %c\n",you, computer);
result = game(you, computer);
if (result == -1) {
                                             return 0;
```





```
/tmp/8pQrfojpP8.o
Enter s for STONE, p for PAPER and z for SCISSOR
```

s

Game Draw!

YOu choose : s and Computer choose : s

Game Draw

Game Loss

```
/tmp/8pQrfojpP8.o
Enter s for STONE, p for PAPER and z for SCISSOR
s
Oh! You have lost the game!
YOu choose : s and Computer choose : p
```

Game Win

```
/tmp/8pQrfojpP8.o
```

```
Enter s for STONE, p for PAPER and z for SCISSOR p
Wow! You have won the game!
YOu choose : p and Computer choose : s
```

Thank you!