

“Funfair Games”

STUDENT DETAILS

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Abstract of the project

“Funfair Games”

The main purpose of Funfair games is to develop a project which can be used by students on children day stalls to earn money. It can store details of all players and their bet money in a file. It provides an interesting playing interface and conditions to attract players. All games are completely unbiased and it will completely depend on users luck and knowledge of game to win and earn money.

Games included are:

- 1 **Number Guessing game**
- 2 **Snake Ladder game**
- 3 **Stone Paper Scissor game**
- 4 **Tic Tac Toe gam**
- 5 **Country Name Guessing game**

6 Magic Game

Common Rules of all games

1:If you win game then you will get 50 percent increased of your bet money.

2:If game draws then you will get half of your bet money.

3:If you lose game then you will lose your bet money.

Number Guessing game

In this game , computer will randomly generate a number between 1 and 10 , you have to guess that number.

Rules:

1:If you guess the number in 2 or less than 2 chances then you will win game.

2:If you guess the number in more than 3 chances then , you will lose game.

3:If you guess the number in exactly 3 chances then game will be a draw.

Snake Ladder game

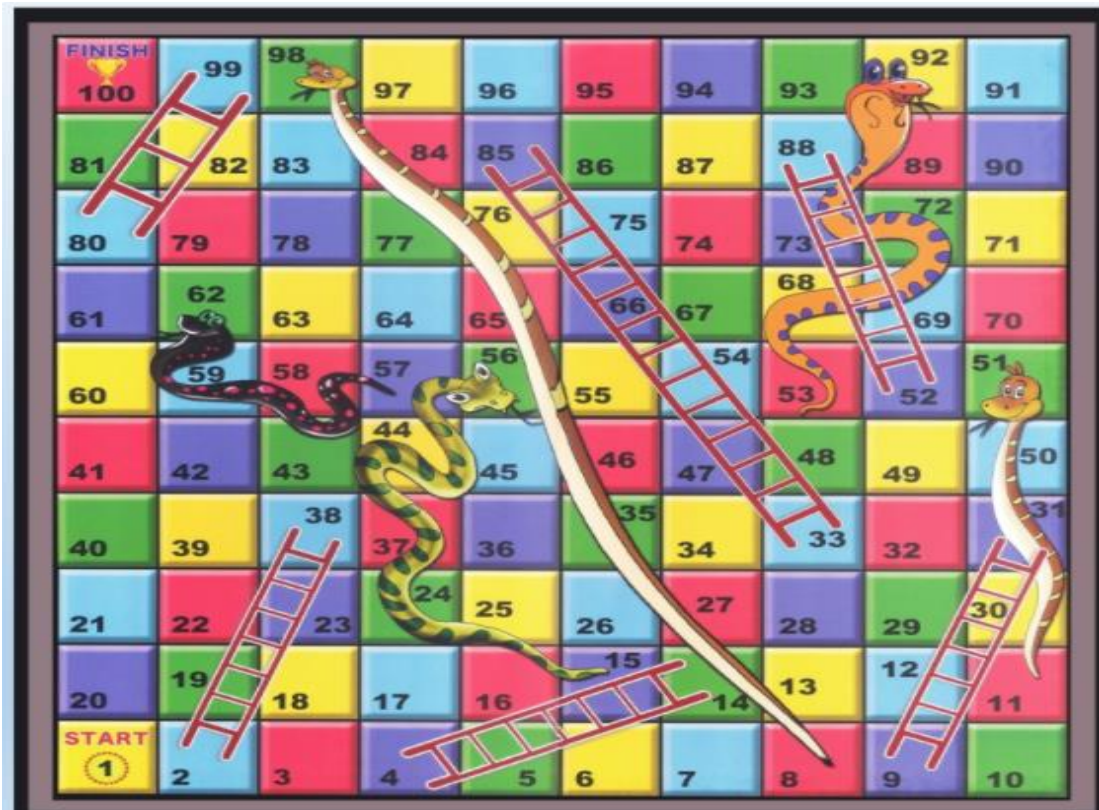
This is computer versus user game.

Rules:

1:Both computer and user will start from 1 , if You reach at 100 before computer then you will win and if computer reached at 100 before you then computer will win.

2:If you accept loss then game will be a draw.

This game is based on given below picture from our SDF lecture PDF.



Stone Paper Scissor game

This is computer versus user game. In this game , computer will randomly select any one from stone,paper and scissor .

You have only 3 chances to win.

Rules:

- 1:Stone breaks scissor.
- 2:Paper can stop stone.
- 3:Scissor can cut paper.

Tic Tac Toe gam

This is user versus owner game.

you will have to input a numerical character, from 1 to 9, to select a position for X or O into the space you want to put it.

Rules:

1:Player whose character ('O' or 'X') fills one whole row/column/diagonal is said to win.

2:If no one wins , then the game is said to be draw.

Country Name Guessing game

In this game , computer will randomly generate a country name and you have to guess its characters and name correctly to win.

Rules:

1:If you guess in only one chance then you will win.

2:If you guess in two chances then game will draw.

3:If you need more than two chances to guess then you will lose game.

Magic Game

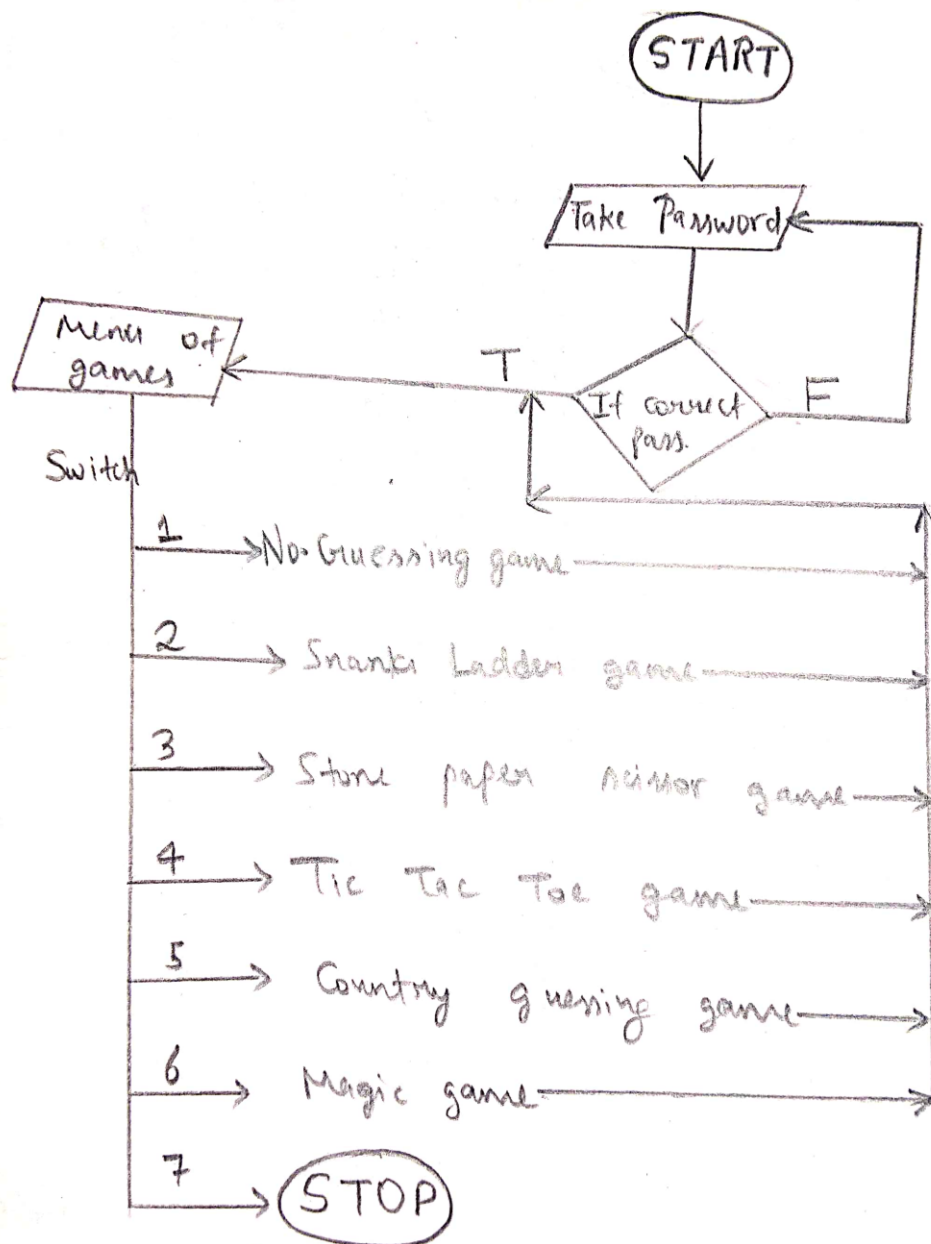
This game is just a free game to test the mathematical knowledge of player.

You are provided some steps to follow and think some numbers in your brain without telling to the computer and computer will guess that number correctly.

Topics of SDF 1 used:

All topics like (Array , loops , switch case , If , else-if , else , Functions , Pointers, File handling etc.) are used by me except structures and union.

Design and Implementation



SPECIAL FEATURES OF PROJECT

1:PASSWORD:only owner acces.

2:BEEP SOUND:when wrong input is given.

3:COLOR VARIENT:Different colors in different games.

4:PATTERNS:Different patterns at different position.

5:USER FRIENDLY:Instructions are properly given and games are completely unbiased.

6:FILE HANDLING:All data will be stored in a text file for safety purpose. It includes name of game , player name,bet money,money lose, money gain.

7:NET PROFIT:After exit net profit maked by owner will be printed and saved in file.

8:Showing file data: After exit complete text file data will be printed on screen.

9:ERROR HANDLING:Code is written in such a way that it can handle any wrong input by the user at any time during playing any game.

References

This project is completed by nitin chaudhary by taking help from these sources:

1:Teachers:Nitin Shukla sir, Raju paul sir,Surendra kumar sir , Divya pundhir mam.

2:Batchmate:Ankur chaudhary helps me to remove errors in country guessing game.

3:Study material:I have used class notes to understand concepts to apply in project.

4:Internet:I have taken help of google to understand the flow chart of Tic Tac Toe game .

5:God:My parents and my internal soul helps me to remain consistent to make this project individually.

SNAPSHOTS OF OUTPUT

```
C:\Users\HP\Documents\S8copy.exe
Enter password : n12
Wrong password!
please provide correct password
Enter password :
```

```
C:\Users\HP\Documents\S8copy.exe
Enter password : n12
Wrong password!
please provide correct password
Enter password : n123

*****WELCOME TO FUNFAIR GAMES*****

Enter your name : Nitin Chaudhary

Hello Nitin Chaudhary
1: number guessing game
2: Snake Ladder game
3: Stone Paper Scissor game
4: Tic Tac Toe game
5: Country guessing game
6: Magic game
7: exit
Enter choice: 1
```

```
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*****WELCOME TO NUMBER GUESSING GAME
RULES:
1-If you guess the number in 2 or less than 2 chances then you will win and you will get 50 percent increase on your bet money
2-If you guess the number in more than 3 chances then , you will loose both your bet money and game
3-If you guess the number in 3 chances then game will be a draw and you will get half of your bet money
How much money(Rs) do you want to bet? 10

Guess a number from 1 to 10 : 5
too high
try to guess again : 3
too high
try to guess again : 2
too high
try to guess again : 1
You won
You guess this number in 4 times

Finally you loose because you guess the number in more than 2 times
so, you loose your rupees 10.0
```


C:\Users\HPA\Documents\S8copy.exe
2-If you guess the number in more than 3 chances then , you will loose both your bet money and game
3-If you guess the number in 3 chances then game will be a draw and you will get half of your bet money
How much money(Rs) do you want to bet?10

Guess a number from 1 to 10 : 5

too high

try to guess again : 3

too high

try to guess again : 2

too high

try to guess again : 1

You won

You guess this number in 4 times

finally you loose because you guess the number in more than 2 times
so,you loose your rupees 10.0

*****WELCOME TO FUNFAIR GAMES*****

Enter your name : Ankur Chaudhary

Hello Ankur Chaudhary

1:number guessing game
2:Snake Ladder game
3:Stone Paper Scissor game
4:Tic Tac Toe game
5:Country guessing game
6:Magic game
7:exit
Enter choice:2

Type here to search

14°C Polluted air 11:56 10-01-2022

C:\Users\HPA\Documents\S8copy.exe
WELCOME TO SNAKE AND LADDER GAME computer vs you
RULES:
1-Both will start from 1
if You reach at 100 before computer then you will win and if computer reached at 100 before you then computer will win
2-if you will win then you will get 50 percent increase on your bet money
2-if you loss then you will loss your bet money
3-If you accept loss and press 2 then game will be a draw and you will get half of your bet money
How much money(Rs) do you want to bet?20

10X10 grid is

100	99	98	97	96	95	94	93	92	91
81	82	83	84	85	86	87	88	89	90
80	79	78	77	76	75	74	73	72	71
61	62	63	64	65	66	67	68	69	70
60	59	58	57	56	55	54	53	52	51
41	42	43	44	45	46	47	48	49	50
40	39	38	37	36	35	34	33	32	31
21	22	23	24	25	26	27	28	29	30
20	19	18	17	16	15	14	13	12	11
1	2	3	4	5	6	7	8	9	10

enter your choice: 1 to roll the dice , 2 to exit this game if you accept loss:1

dice:5

you: 6

dice:2

computer:3

enter your choice: 1 to roll the dice , 2 to exit this game if you accept loss:2
you accepted loss
so you loose your half money,so you will get rupees 10.0.

Type here to search

14°C Polluted air 11:56 10-01-2022

C:\Users\HPA\Documents\S8copy.exe
How much money(Rs) do you want to bet?20
10X10 grid is

100	99	98	97	96	95	94	93	92	91
81	82	83	84	85	86	87	88	89	90
80	79	78	77	76	75	74	73	72	71
61	62	63	64	65	66	67	68	69	70
60	59	58	57	56	55	54	53	52	51
41	42	43	44	45	46	47	48	49	50
40	39	38	37	36	35	34	33	32	31
21	22	23	24	25	26	27	28	29	30
20	19	18	17	16	15	14	13	12	11
1	2	3	4	5	6	7	8	9	10

enter your choice: 1 to roll the dice , 2 to exit this game if you accept loss:1

dice:5

you: 6

dice:2

computer:3

enter your choice: 1 to roll the dice , 2 to exit this game if you accept loss:2
you accepted loss
so you loose your half money,so you will get rupees 10.0

*****WELCOME TO FUNFAIR GAMES*****

Enter your name : Aryan Gandhi

Hello Aryan Gandhi

1:number guessing game
2:Snake Ladder game
3:Stone Paper Scissor game
4:Tic Tac Toe game
5:Country guessing game
6:Magic game
7:exit
Enter choice:3

Type here to search

14°C Partly sunny 11:58 10-01-2022

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WELCOME TO STONE,PAPER,SCISSOR GAME

RULES:
1-You have only 3 chances
2-If you won,you will get 50 percent increased of your bet money
3-If you loose , you will loose your bet money
4-If game draws,you will get half of your bet money
How much money(Rs) do you want to bet?20

Enter s for stone , p for paper and c for scissor:p
game draw because computer chooses p
your points till now=0,computer points till now=0

Enter s for stone , p for paper and c for scissor:c
game draw because computer chooses c
your points till now=0,computer points till now=0

Enter s for stone , p for paper and c for scissor:p
you loose because computer chooses c
your points till now=0,computer points till now=1

overall your points=0
overall computer points=1

finally you loose
you loose your rupees 20.0_
```

```
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game draw because computer chooses p
your points till now=0,computer points till now=0

Enter s for stone , p for paper and c for scissor:c
game draw because computer chooses c
your points till now=0,computer points till now=0

Enter s for stone , p for paper and c for scissor:p
you loose because computer chooses c
your points till now=0,computer points till now=1

overall your points=0
overall computer points=1

finally you loose
you loose your rupees 20.0

*****WELCOME TO FUNFAIR GAMES*****

Enter your name : Jigyasa sumani

Hello Jigyasa sumani
1:number guessing game
2:Snake Ladder game
3:Stone Paper Scissor game
4:Tic Tac Toe game
5:Country guessing game
6:Magic game
7:exit
Enter choice:4_
```

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Player 2, enter a number: 4

Tic Tac Toe
Player 1 (X) - Player 2 (O)

X | O | X
---|---|---
O | O | 6
---|---|---
X | X | O

Player 1, enter a number: 6

Tic Tac Toe
Player 1 (X) - Player 2 (O)

X | O | X
---|---|---
O | O | X
---|---|---
X | X | O

==>Game draw
you loose your half money,so you will get rupees 20.0_
```

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Tic Tac Toe

Player 1 (X) - Player 2 (O)

  X | O | X
  ---
  O | O | X
  ---
  X | X | O

==>Game draw
you loose your half money,so you will get rupees 20.0

*****WELCOME TO FUNFAIR GAMES*****

Enter your name : Akshansh modi

Hello Akshansh modi
1:number guessing game
2:Snake Ladder game
3:Stone Paper Scissor game
4:Tic Tac Toe game
5:Country guessing game
6:Magic game
7:exit
Enter choice:6_
```

```
C:\Users\HP\Documents\58copy.exe

WELCOME TO MAGIC GAME
This game is free
I will guess how much rupees you will left with you if you follow all steps very carefully.
Rule:Press enter if you have done the given task.
1:Think how much rupees you are having with you.
2:Let same amount is given to you by your friend so make total money you are having now ,in your mind.
3:Let i am giving you 388.0 rupees, so make total in your mind.
4:Give half rupees for charity and calculate money you are having now.
5:Give your friends rupees to your friend.

You left 194.0 rupees with you.
now think how i guess this.


```

```
C:\Users\HP\Documents\58copy.exe

WELCOME TO MAGIC GAME
This game is free
I will guess how much rupees you will left with you if you follow all steps very carefully.
Rule:Press enter if you have done the given task.
1:Think how much rupees you are having with you.
2:Let same amount is given to you by your friend so make total money you are having now ,in your mind.
3:Let i am giving you 388.0 rupees, so make total in your mind.
4:Give half rupees for charity and calculate money you are having now.
5:Give your friends rupees to your friend.

You left 194.0 rupees with you.
now think how i guess this.

*****WELCOME TO FUNFAIR GAMES*****

Enter your name : Nitin Chaudhary

Hello Nitin Chaudhary
1:number guessing game
2:Snake Ladder game
3:Stone Paper Scissor game
4:Tic Tac Toe game
5:Country guessing game
6:Magic game
7:exit
Enter choice:7_
```

