OOP Assignment

Slide Puzzle Game

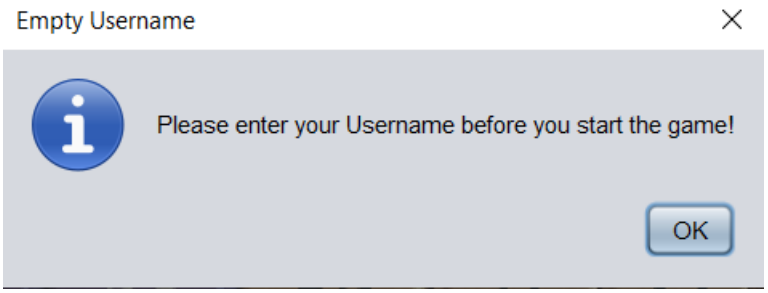
DEVINDI Y.D.

SLIDE PUZZLE GAME

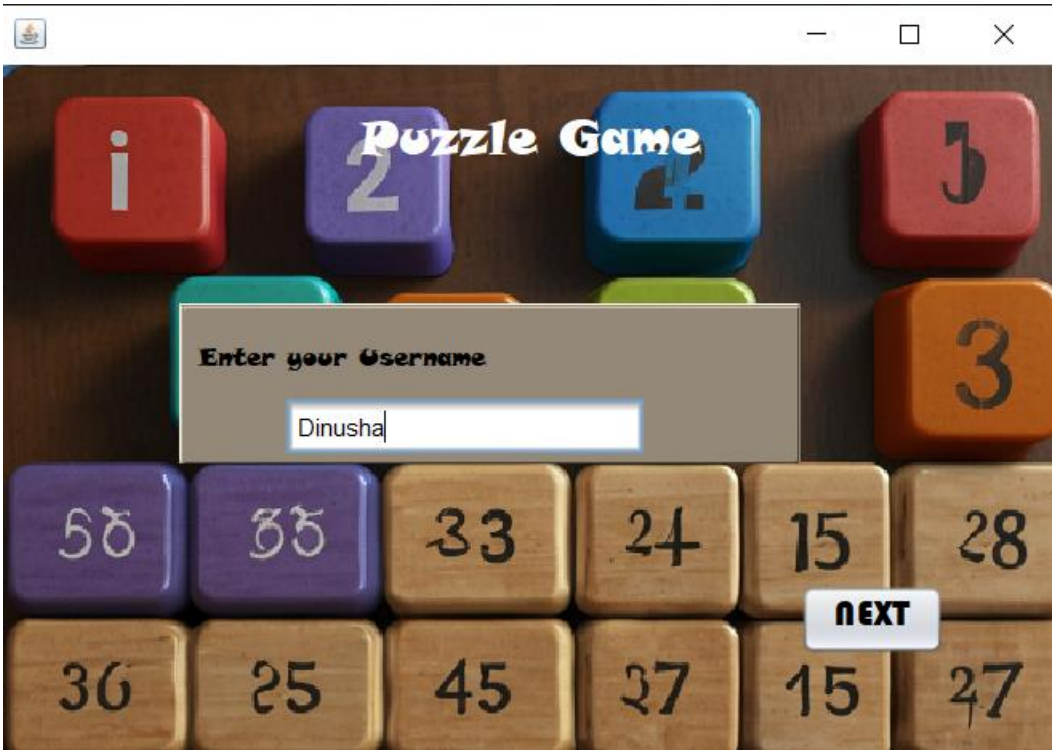
First window (Details window)

Get Player's username.

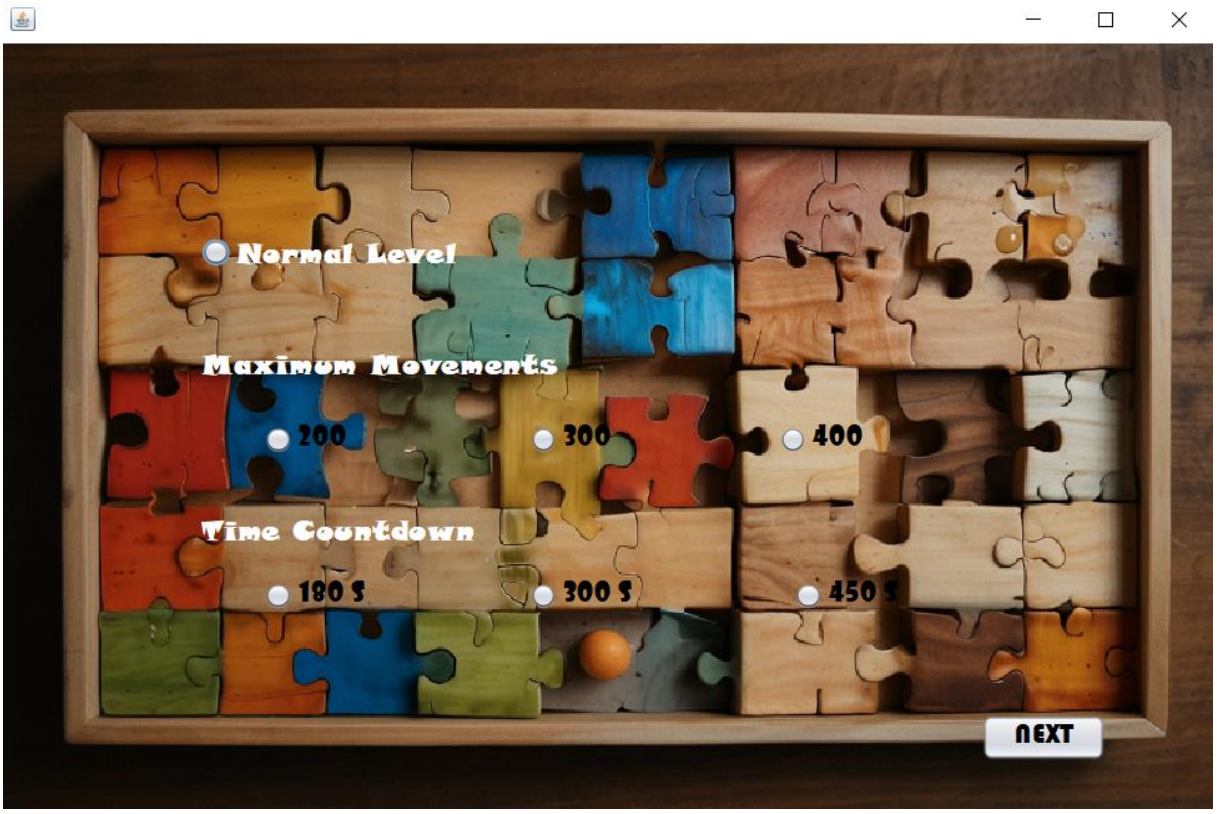
If the NEXT button clicks when Username is empty, then popup this message box.



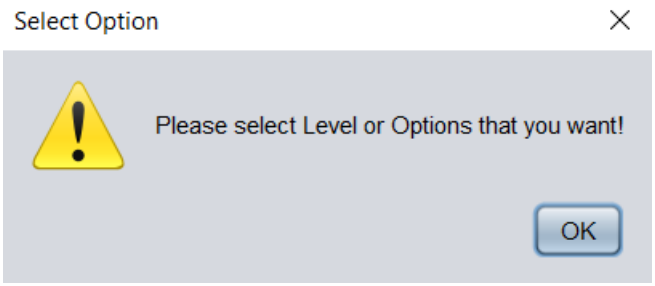
After entering username, then clicks NEXT button and open second window (Options).



In here, we can select Normal level or Optional level as follows.

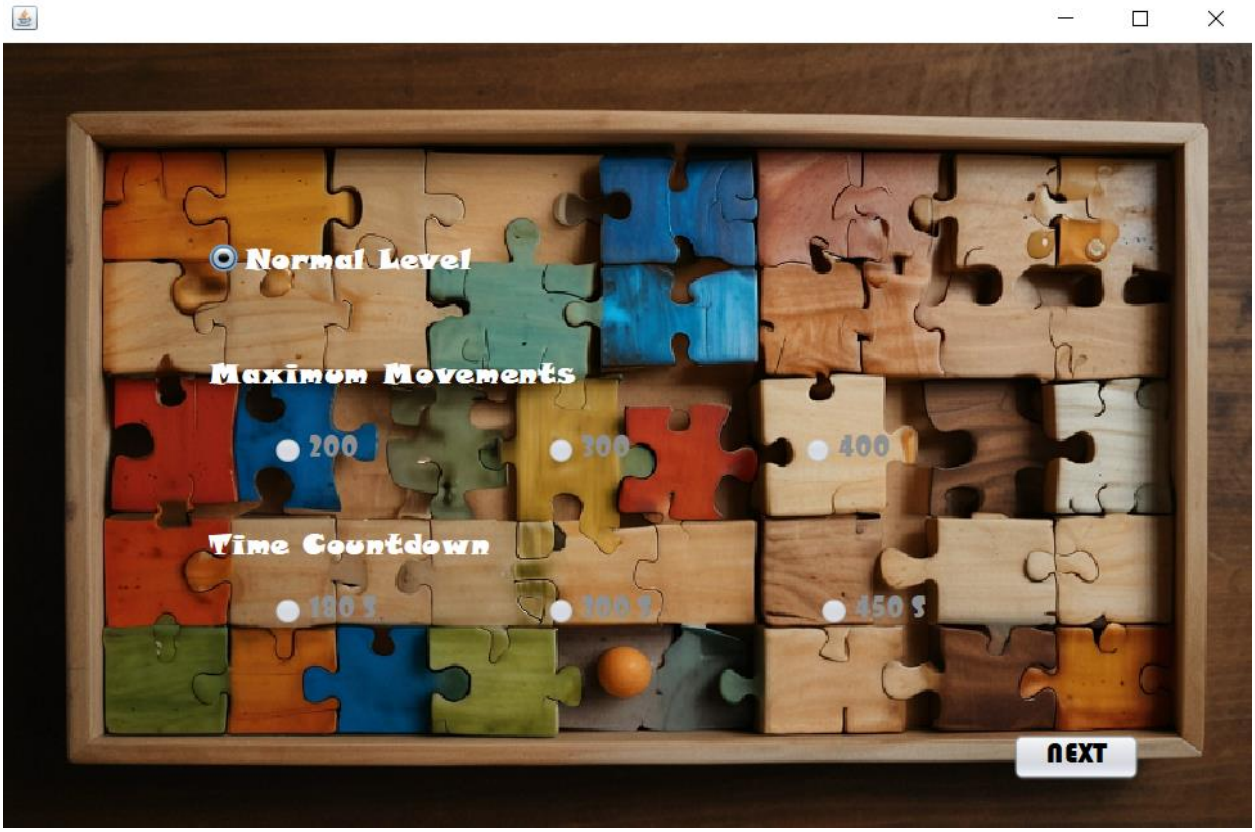


If we click NEXT button without selecting options, then popup this message box.



If you click, Normal option, then you can't click the optional buttons.

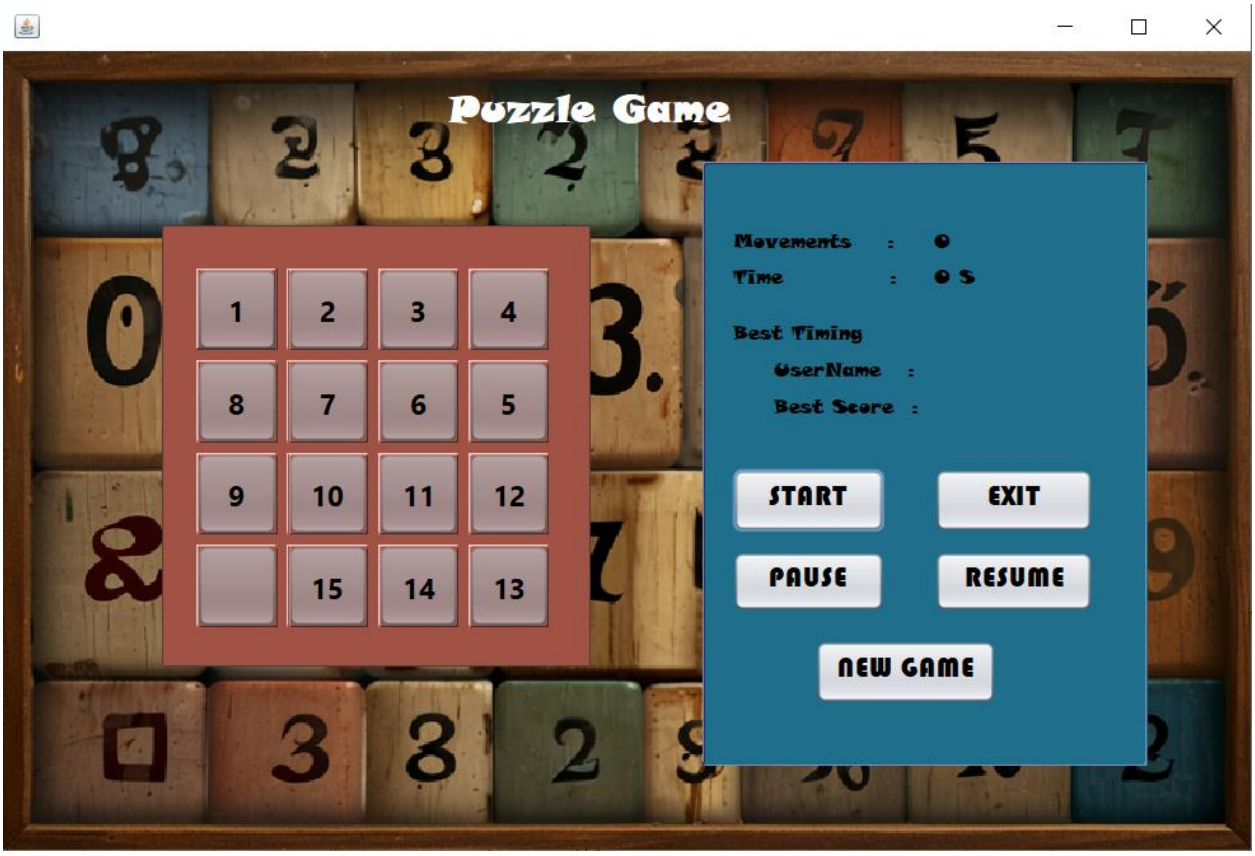
Normal Level



When clicks, NEXT button then visible game window (Puzzle) as below.

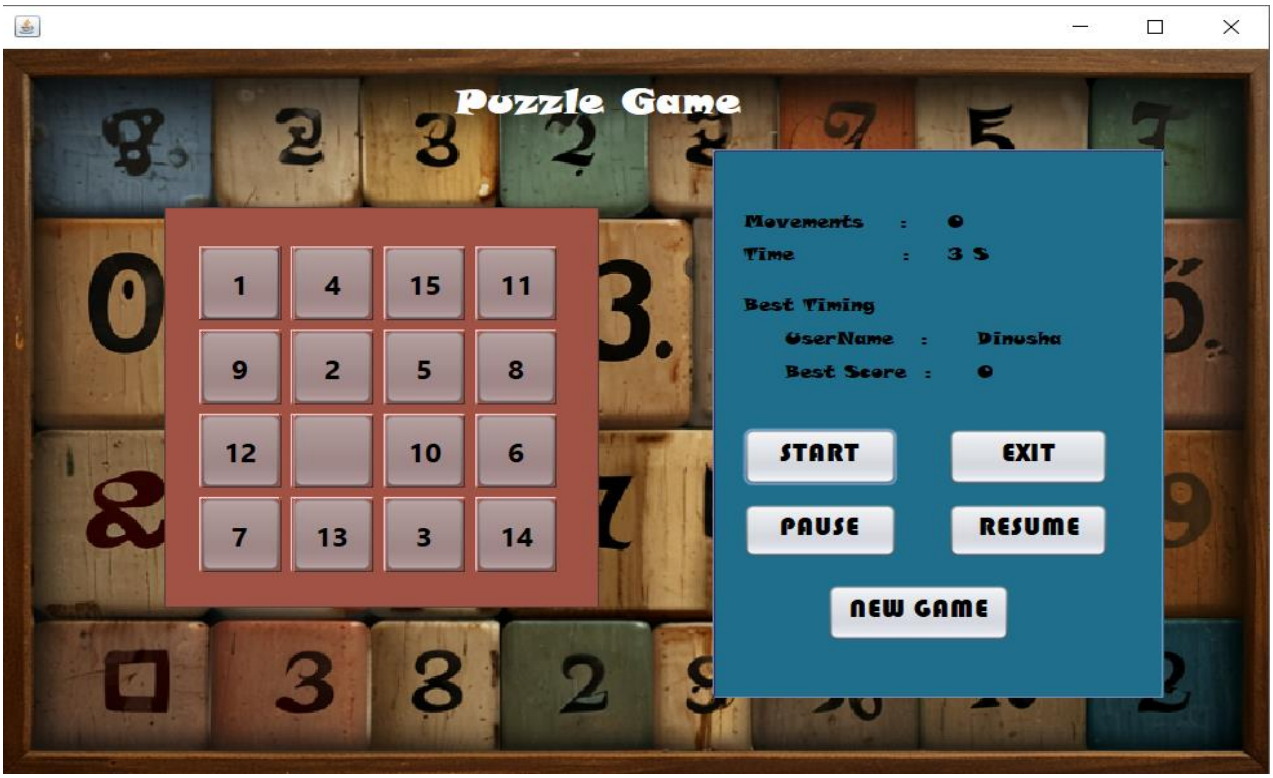
This is Normal Level Interface, Because of that time or movements haven't any limit, so you can do this game any time limit or movements.

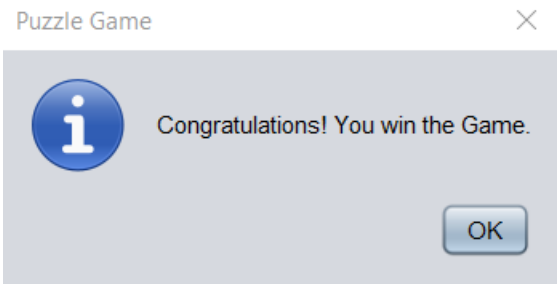
After pressing START button you can start the game, If you want you can PAUSE the game and RESUME.



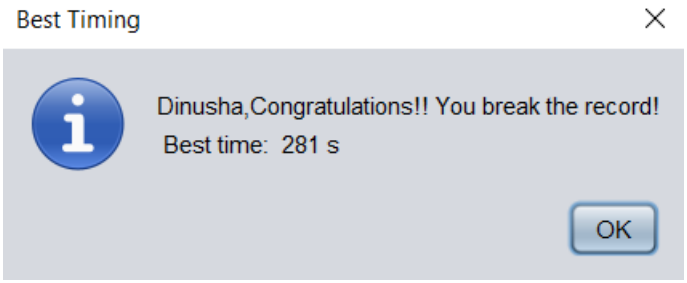
When clicks START Button then shuffle the puzzle. (Shuffle to solvable one).And display best Time score .In here this is the first game, such that the best time is 0 s.

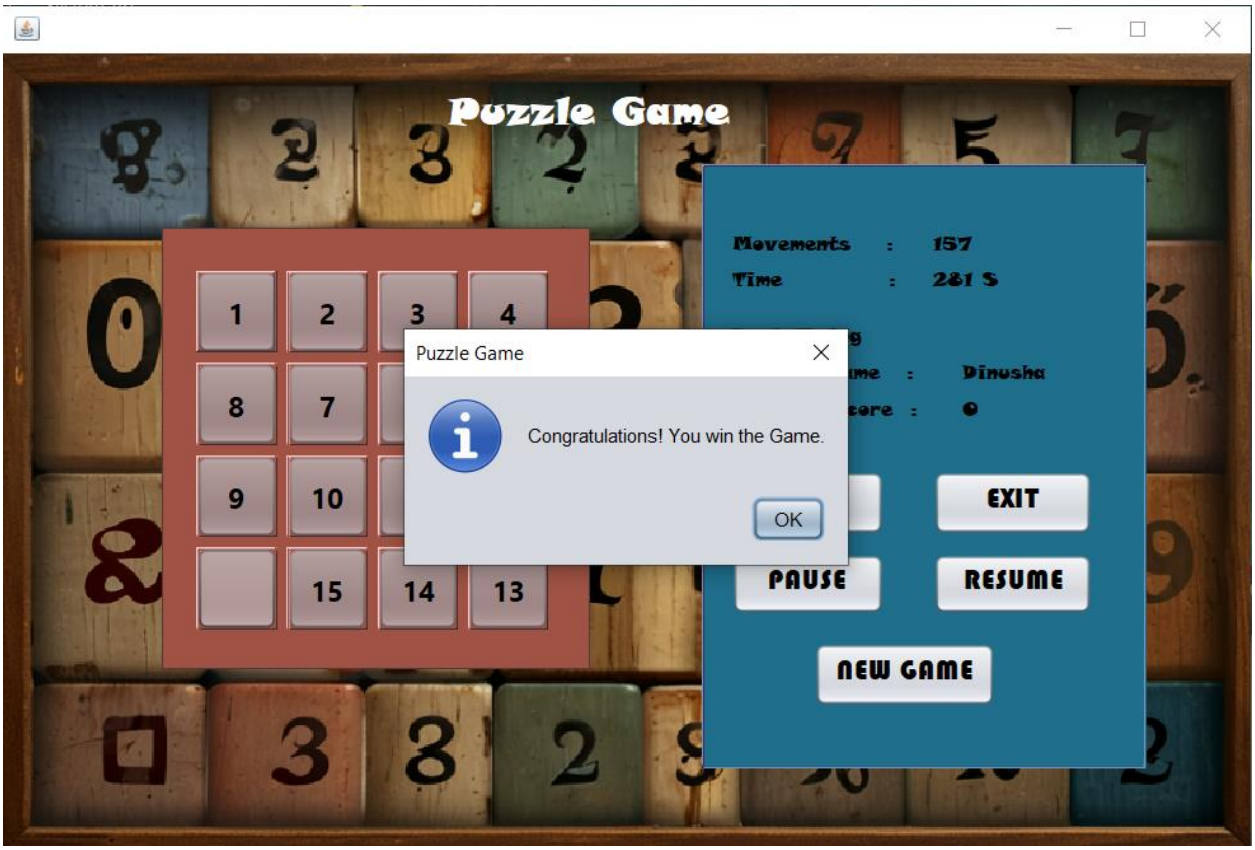
After you win the game, then popup this message box.



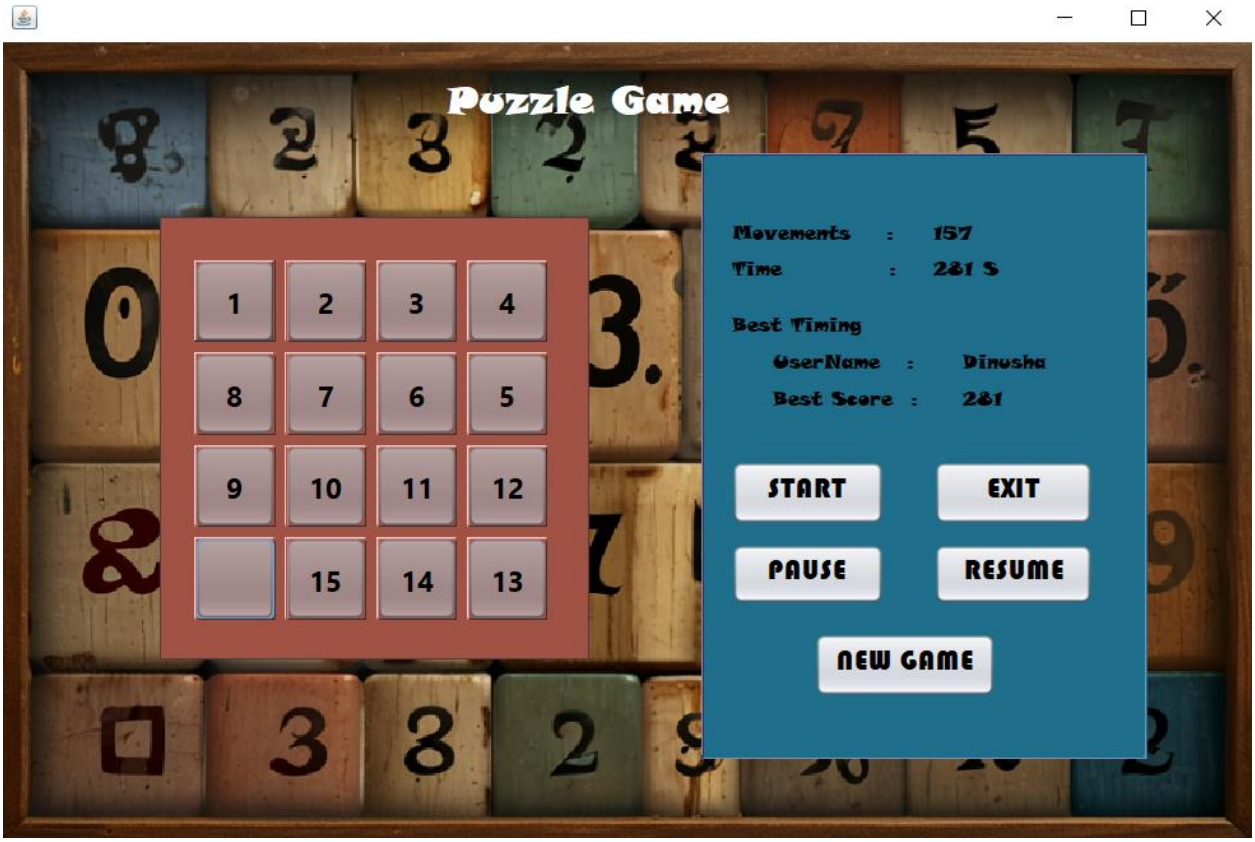


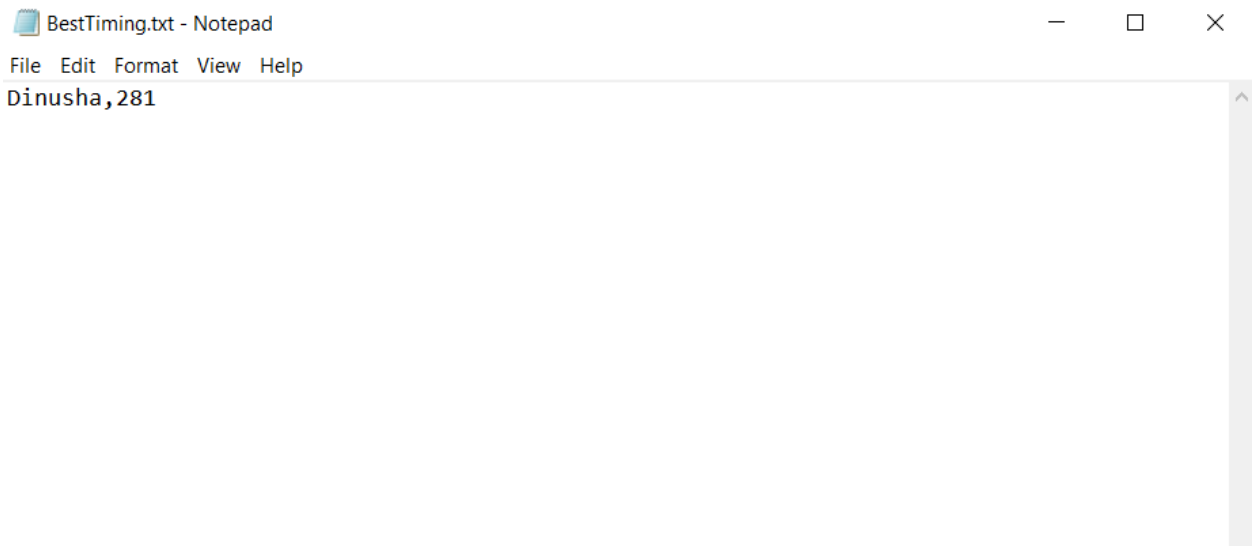
After this message box, it's checks, user pass the best timing or not. If he achieves best timing, then popup this message box.



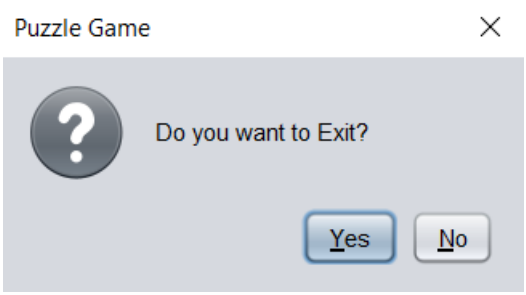


And update the window best timing score and write that username and best time on "BestTimng.txt" file. I only added the best timing username and time.



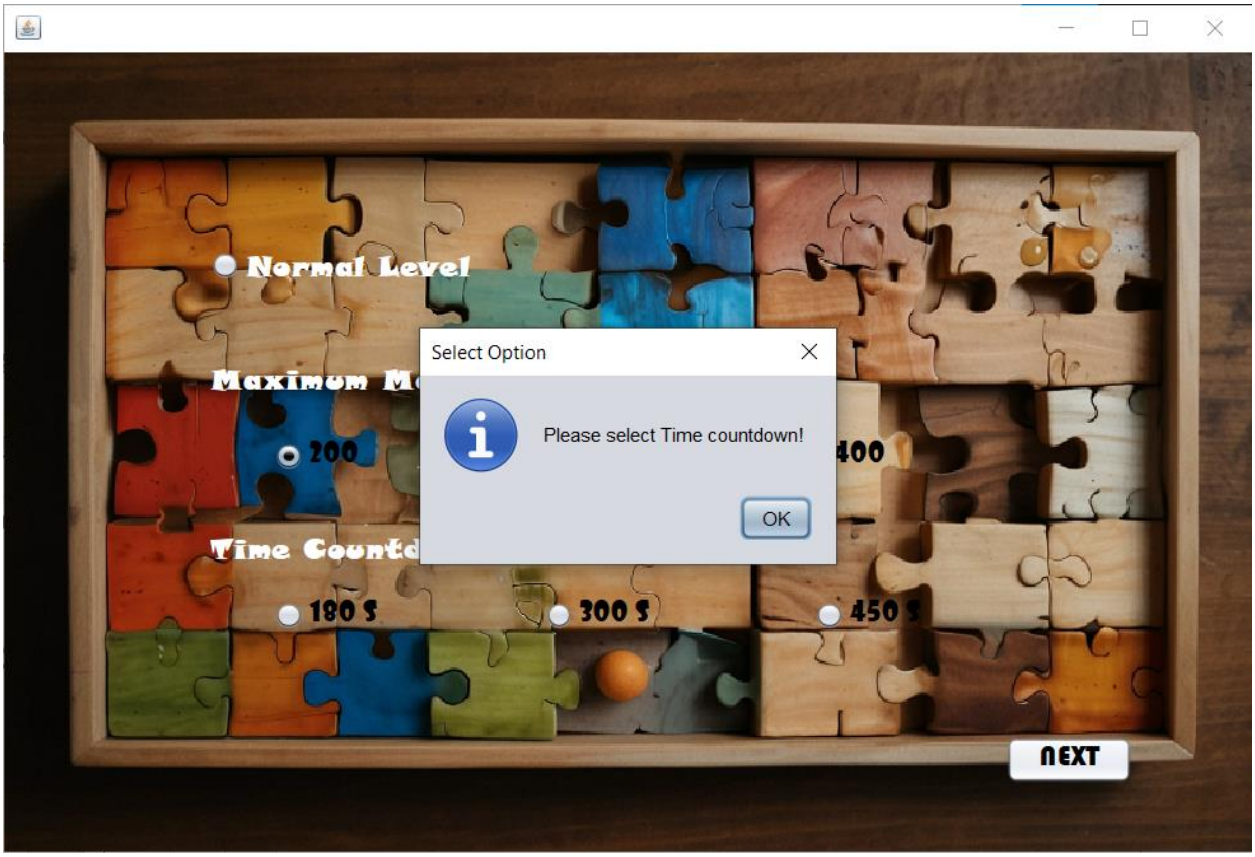


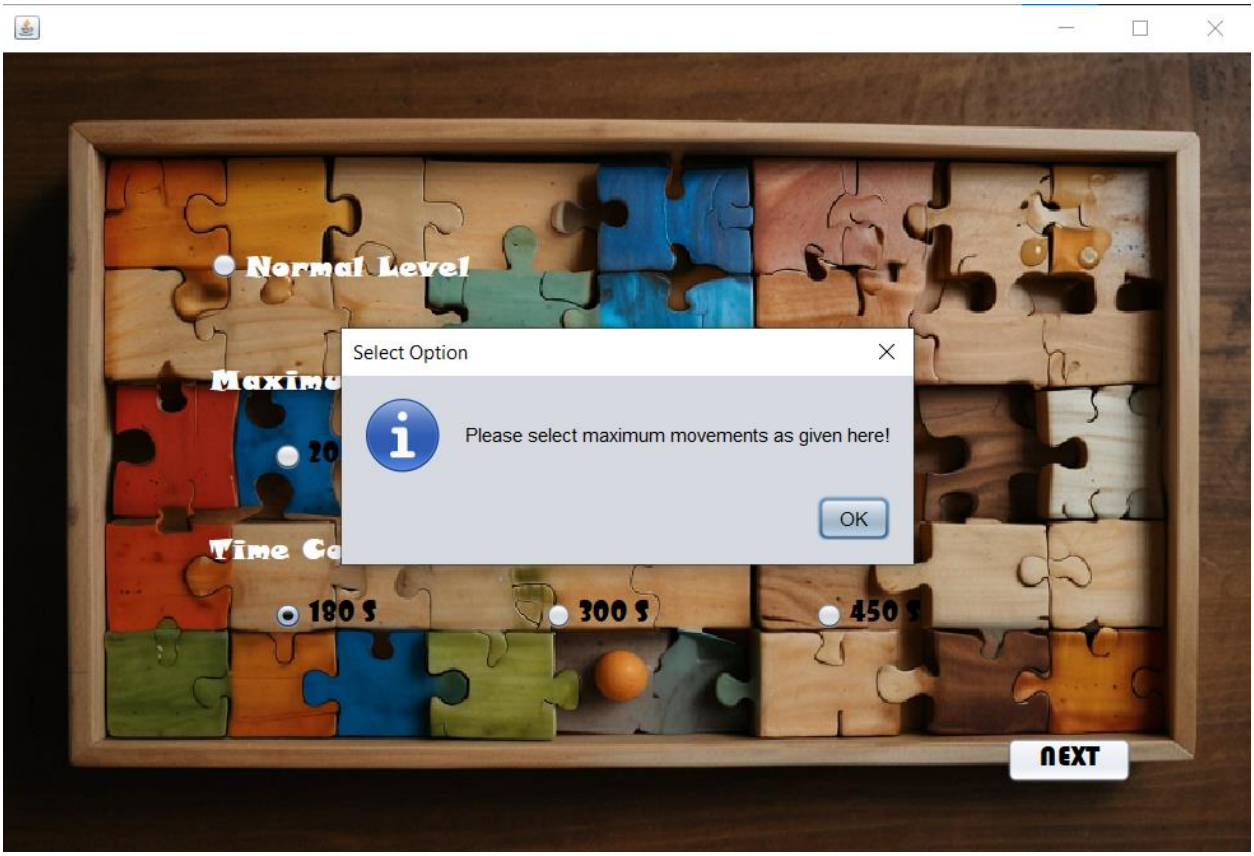
If click the EXIT button, then popup this message box.



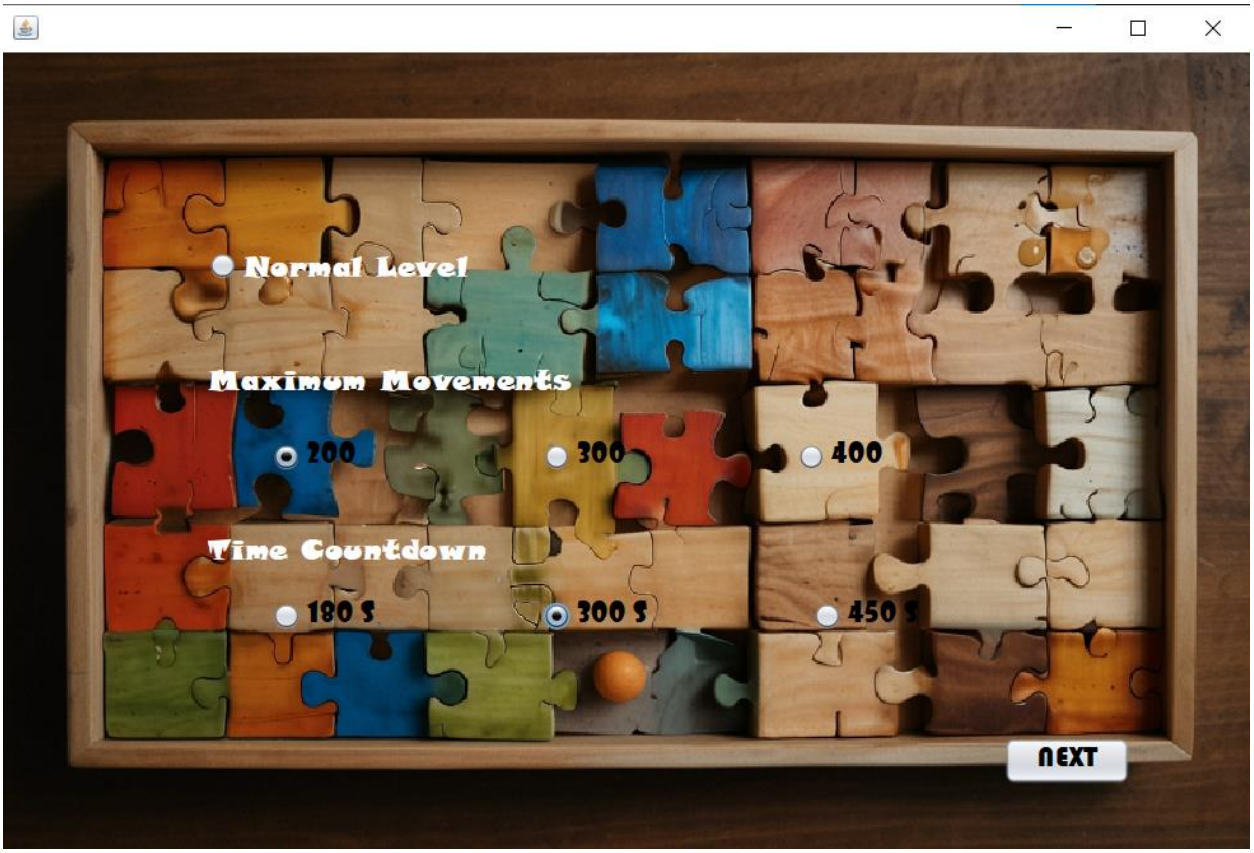
Optional Level

In optional level you can select two options as below. If you clicks NEXT button, without selecting both options, then popup message box as follows.

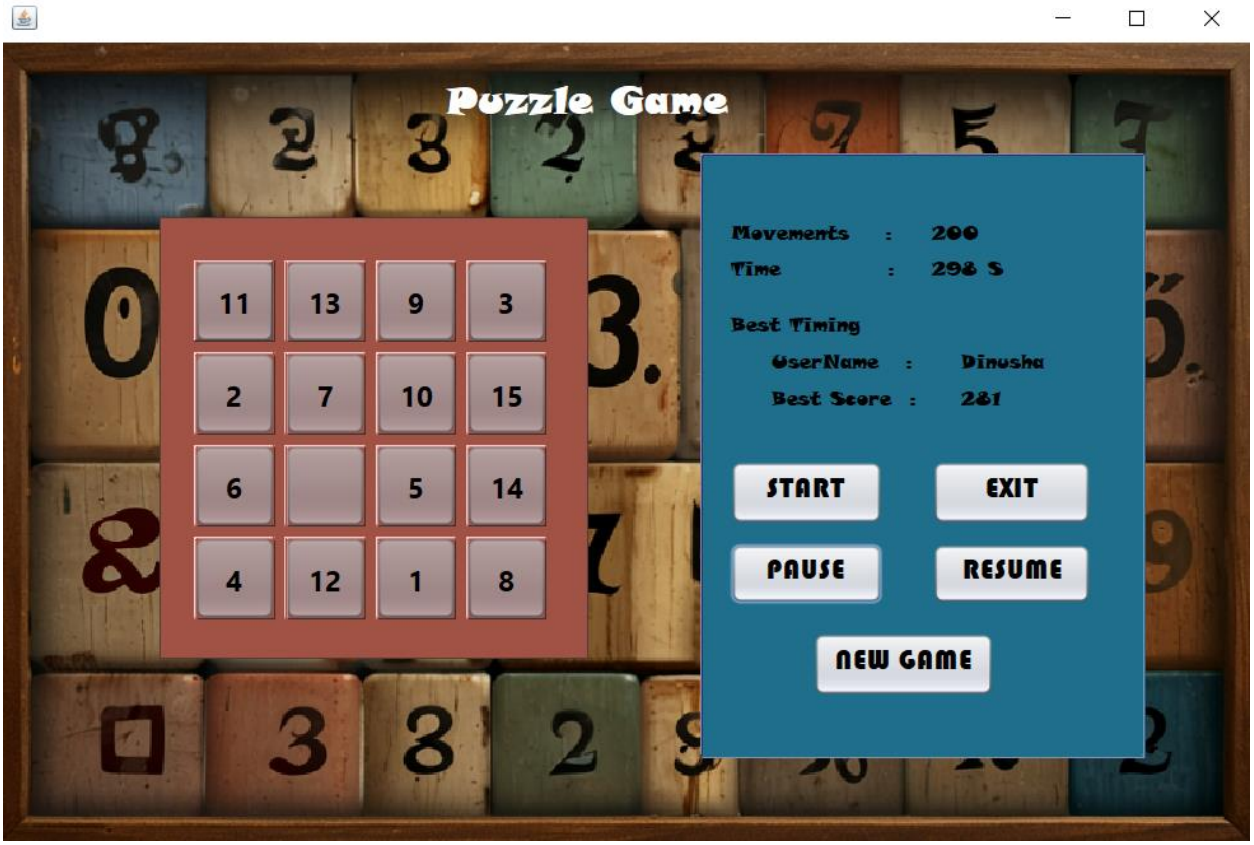




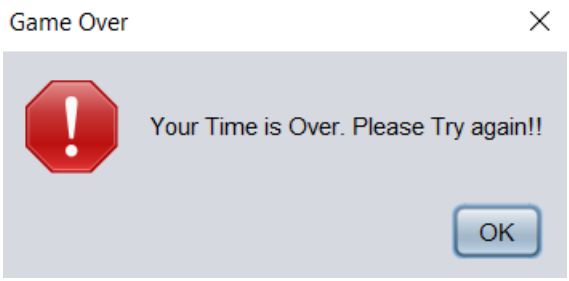
After selecting those options, you can click NEXT button and start the game as previously.

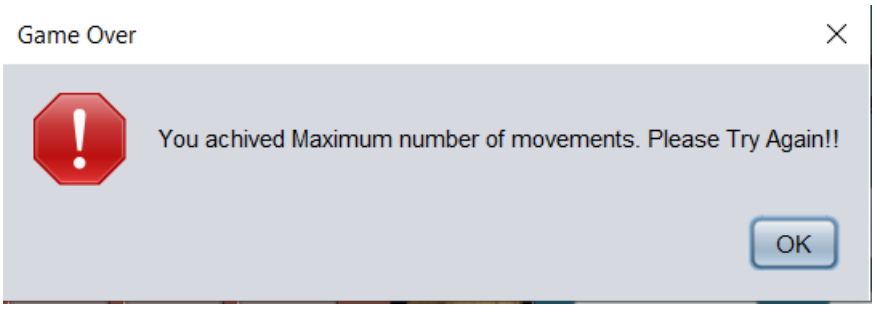


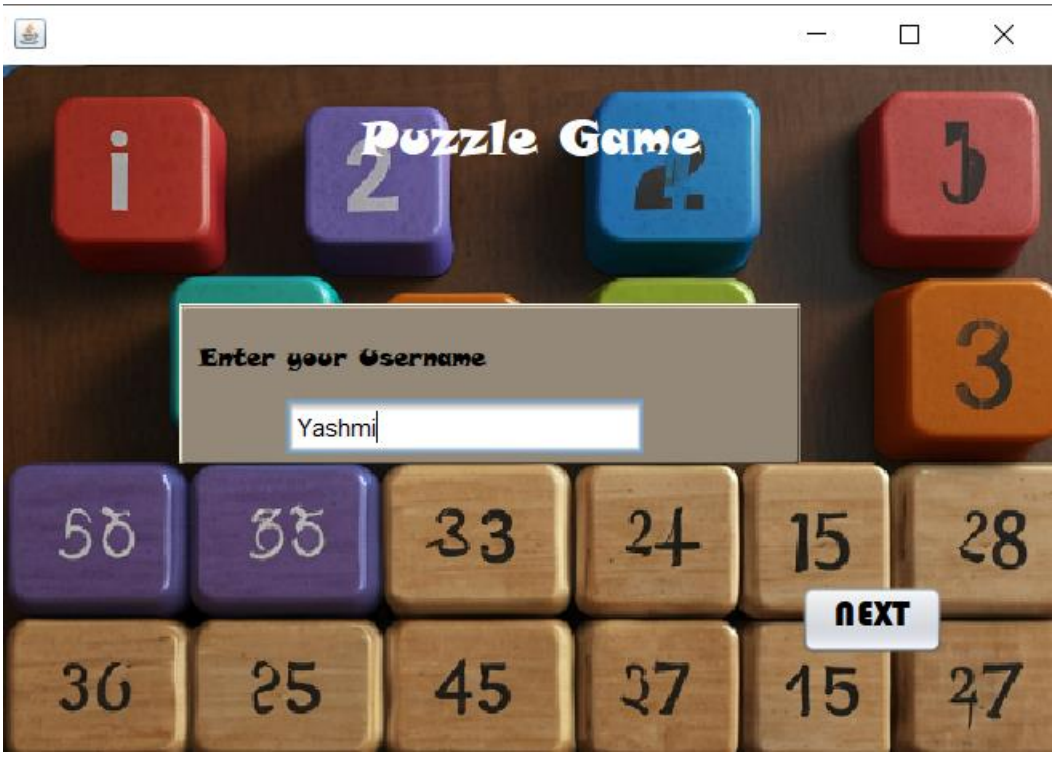
In here, Time and Movements decreasing according to the selections.

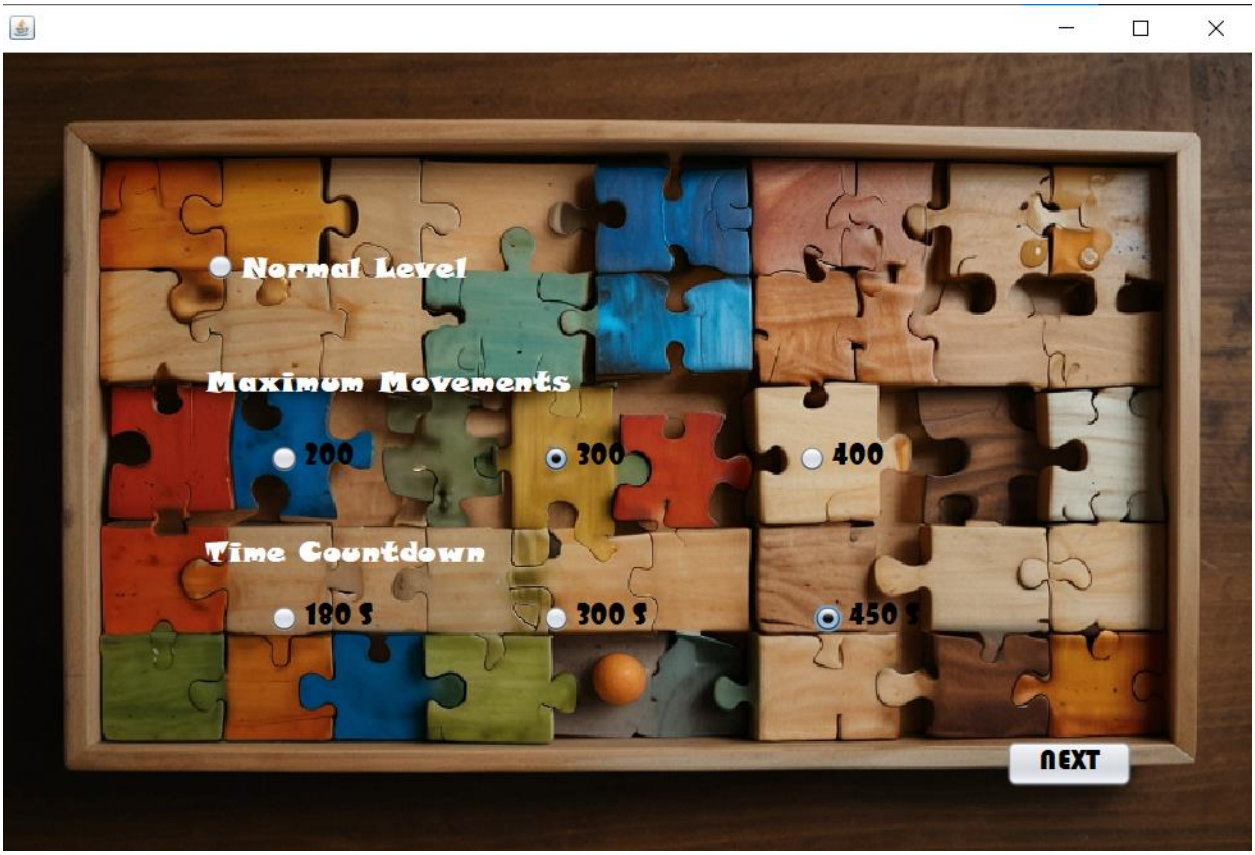


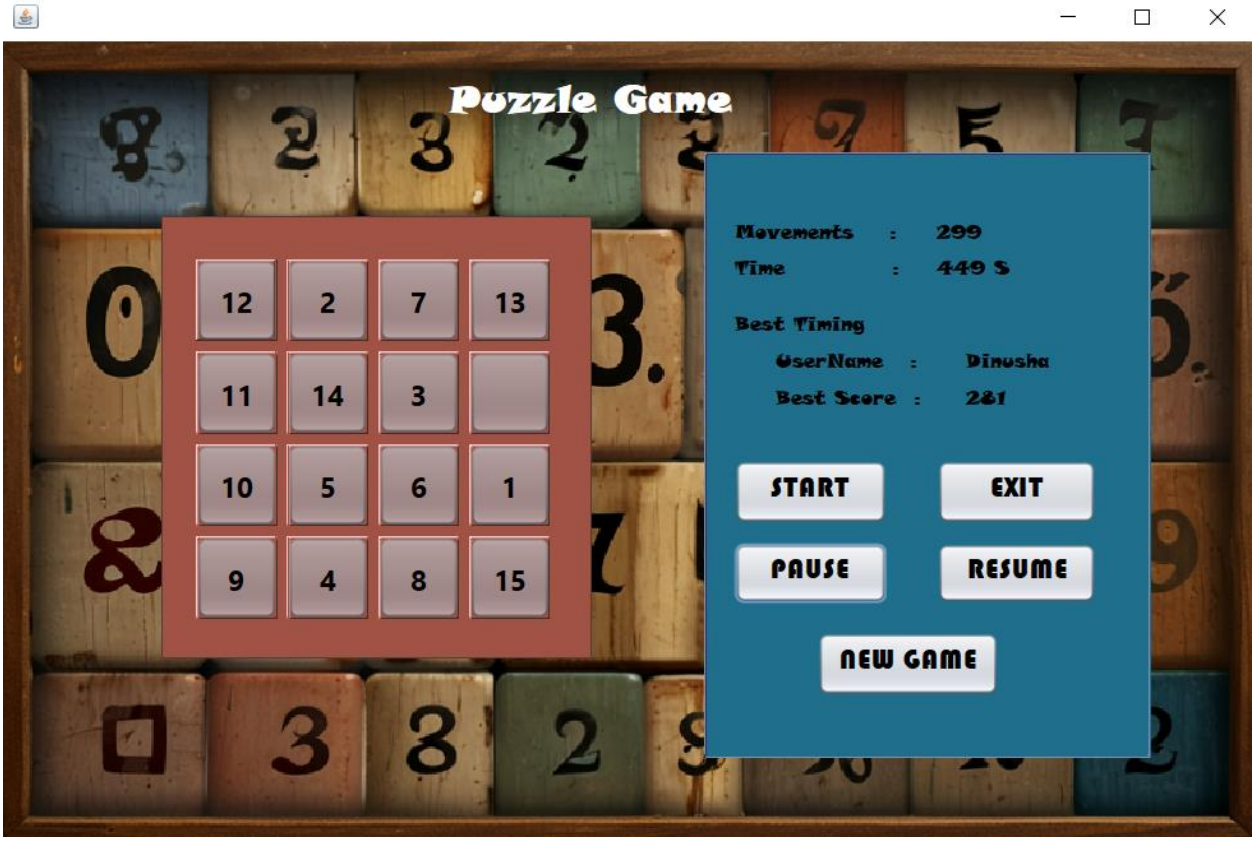
If your time or movements are over, Then popup Game over message Box.

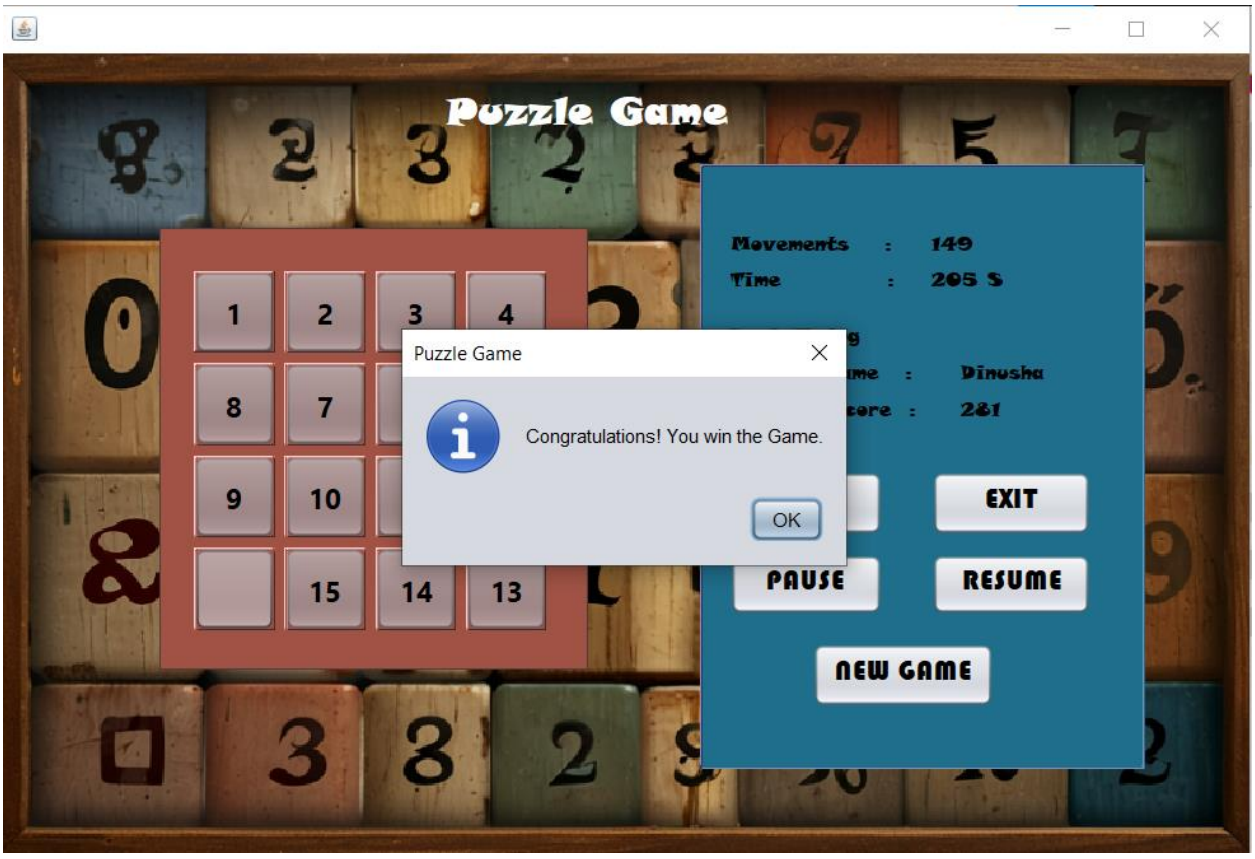


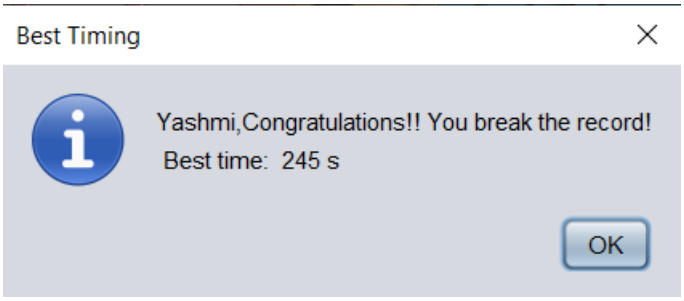


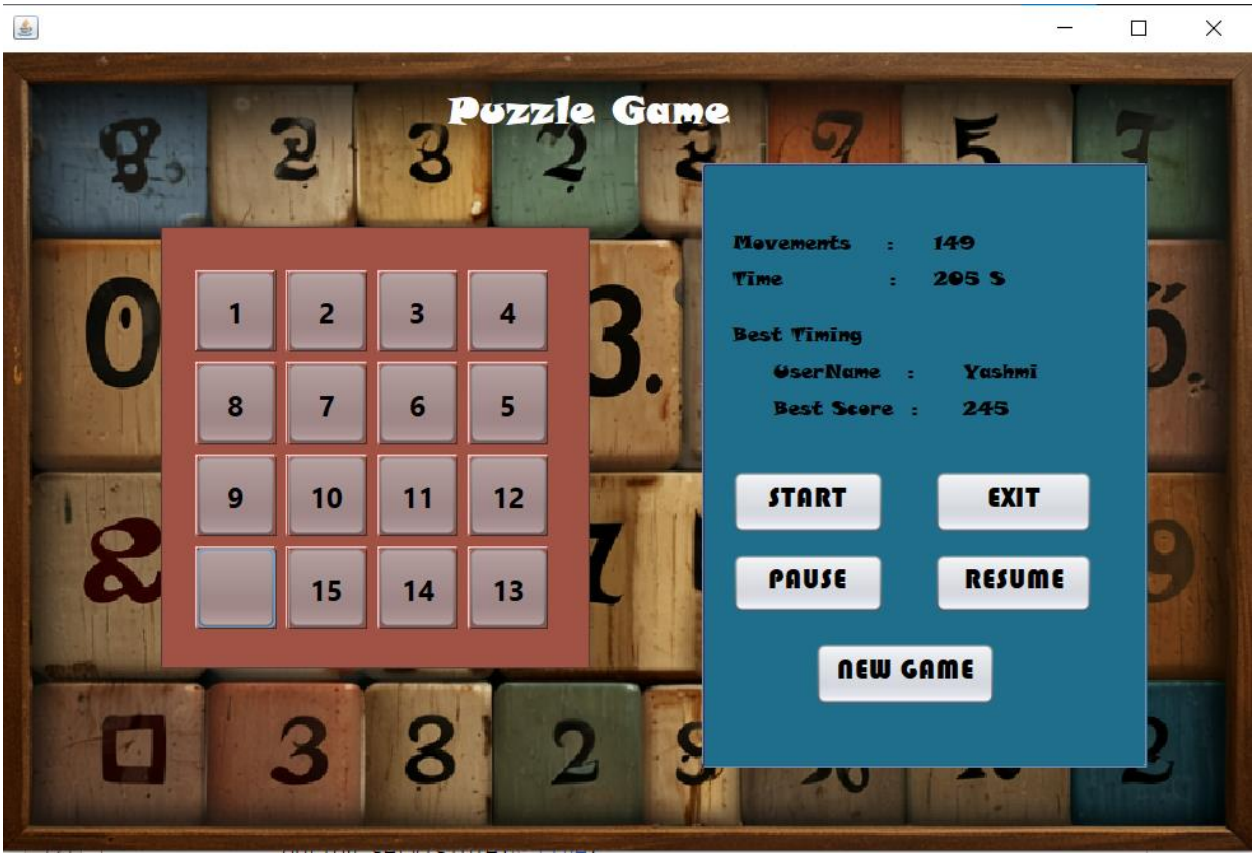

Puzzle Game
Enter your Username
Yashmi
NEXT

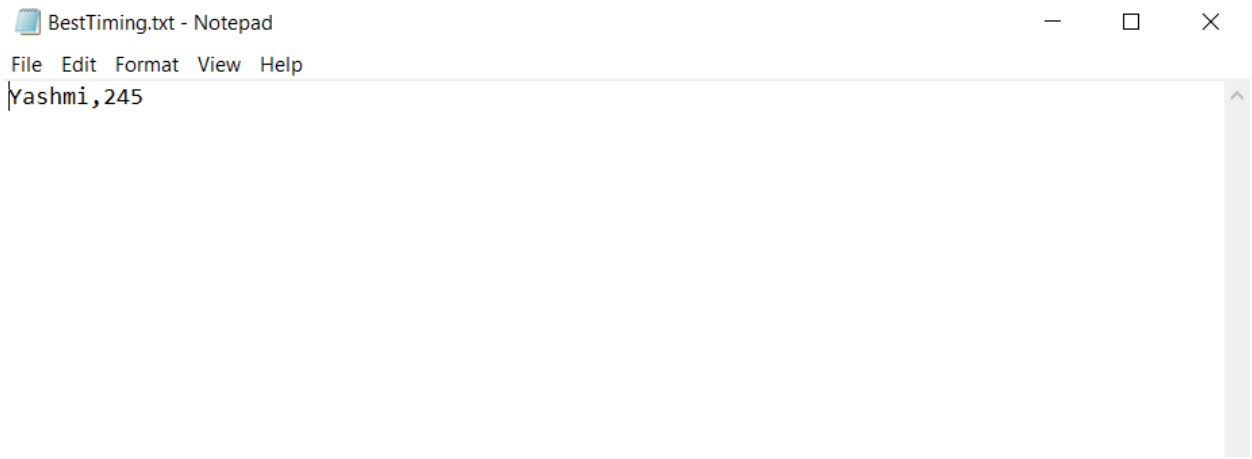

Normal Level
Maximum Movements
200
300
400
Time Countdown
180 S
300 S
450 S
NEXT


Puzzle Game
12 2 7 13
11 14 3
10 5 6 1
9 4 8 15
Movements : 299
Time : 449 S
Best Timing
UserName : Dinusha
Best Score : 281
START
EXIT
PAUSE
RESUME
NEW GAME


Puzzle Game
1 2 3 4
8 7
9 10
15 14 13
Movements : 149
Time : 205 S
Dinusha
281
EXIT
PAUSE
RESUME
NEW GAME
Puzzle Game
Congratulations! You win the Game.
OK







If you clicks, the NEWGAME button then go to the second window (Options window).Then you can select the option and again you can do the game.

If you won or lost, you could choose NEWGAME. Player's username is not change after you clicks NEWGAME button, because you already entered your username.

For all button pressing and message popups, I use audio.