

User's Guide

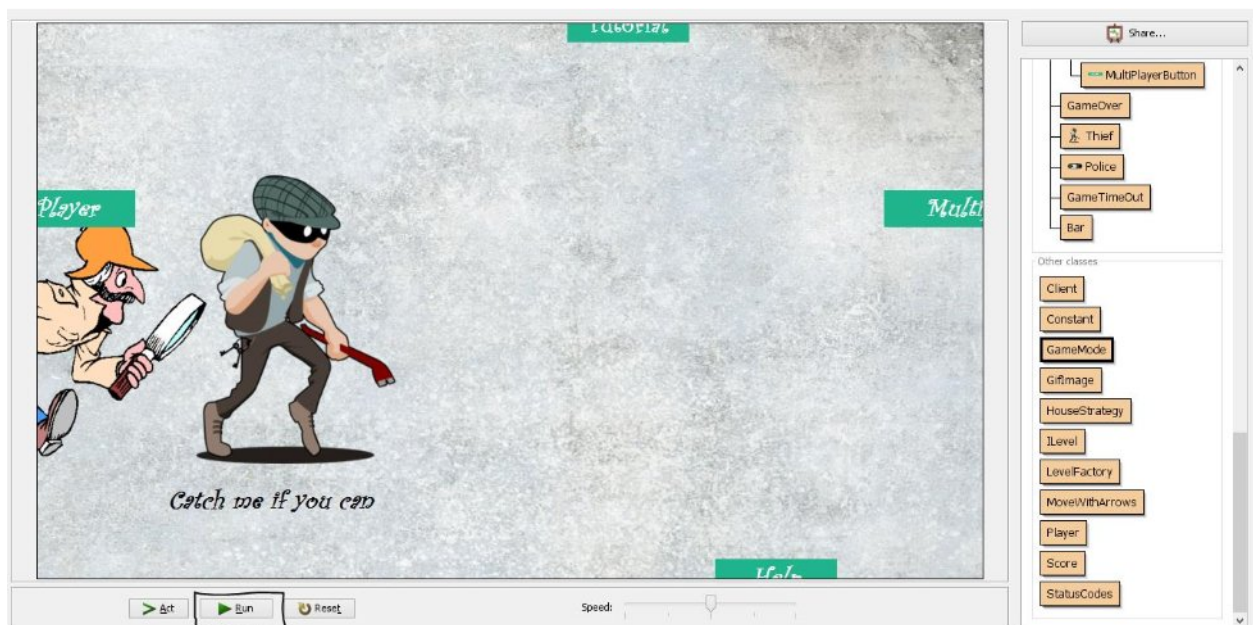
Purpose of the Game:

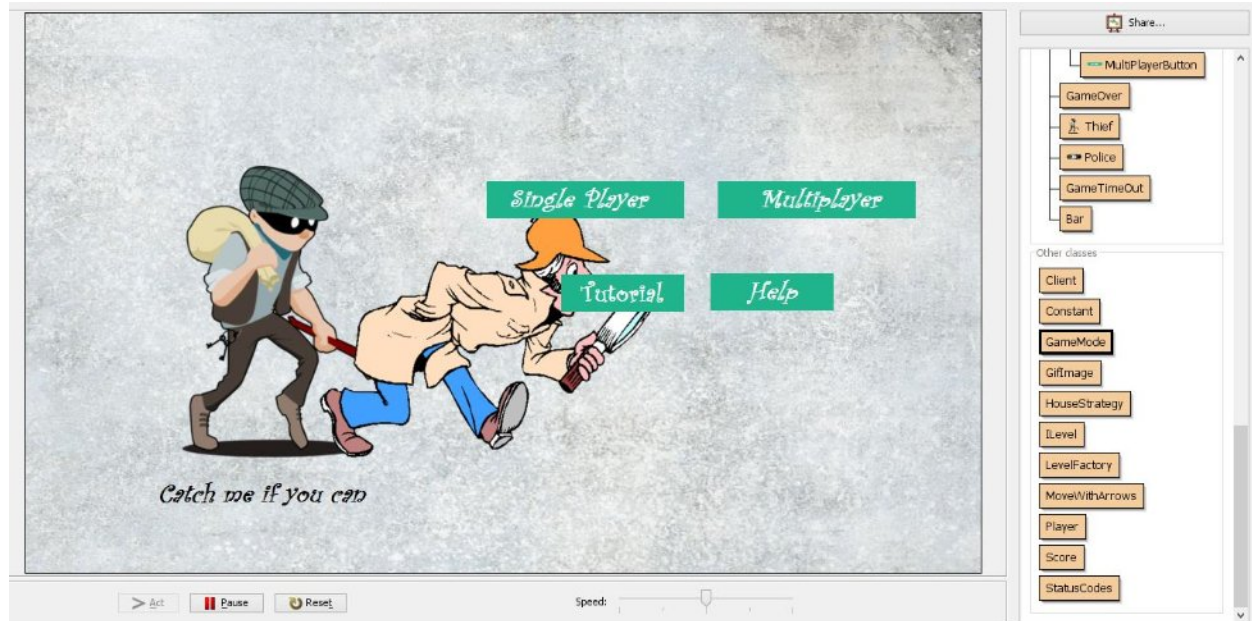
The Purpose of the Game is to Learn and apply binary search technique in the game in order to catch the thief, who is looting the money in the houses.

The Player has to catch the thief by visiting the least number of houses by using the binary search algorithm in order to get the maximum score.

Game Play Rules

1. Click on the Run button as shown to start the game.





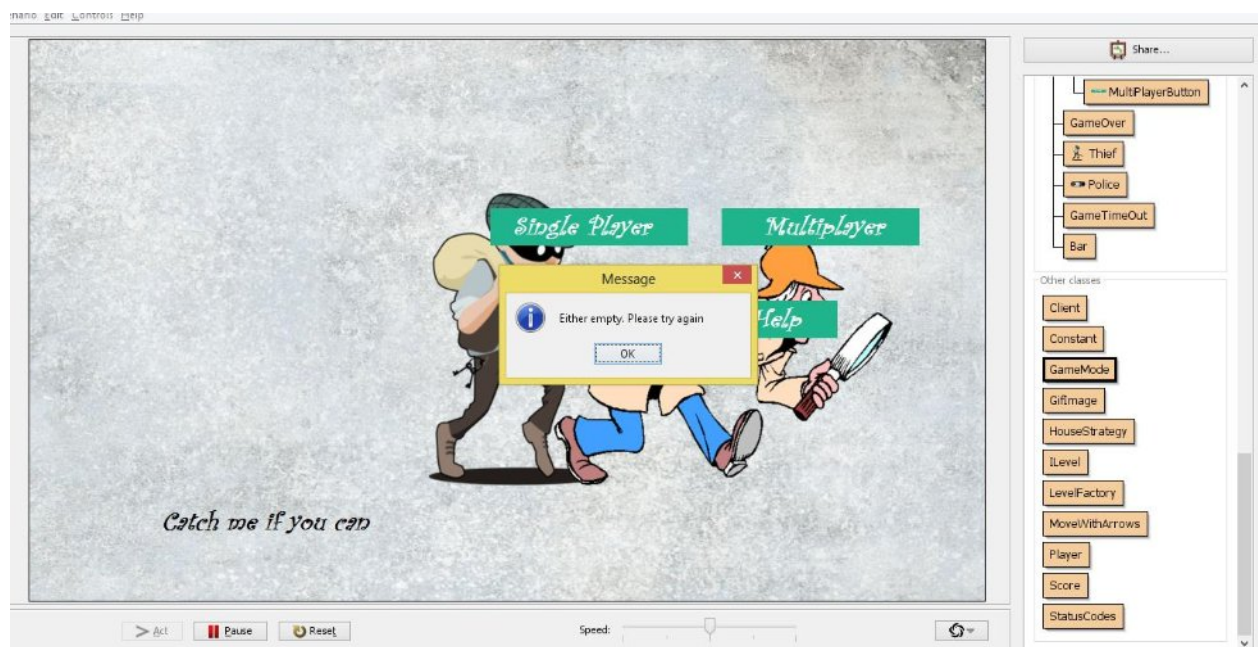
2. The Player has four Options to choose.

- a. Single Player- To play the game as a single player.
- b. Multi Player- To play the game as a multi player mode.
- c. Tutorial- To know how to apply the binary search in the game.
- d. Help- Additional help on how to play the game.

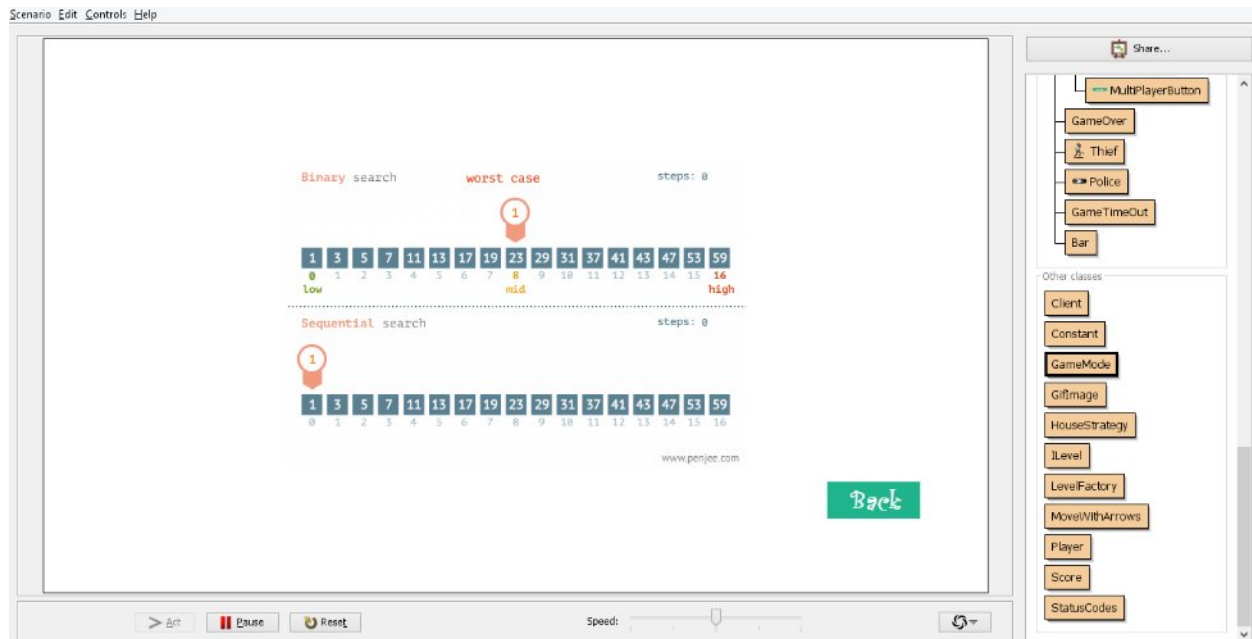


3. If you click on Single Player or Multi Player option, you will get the Pop Up message to enter the name.

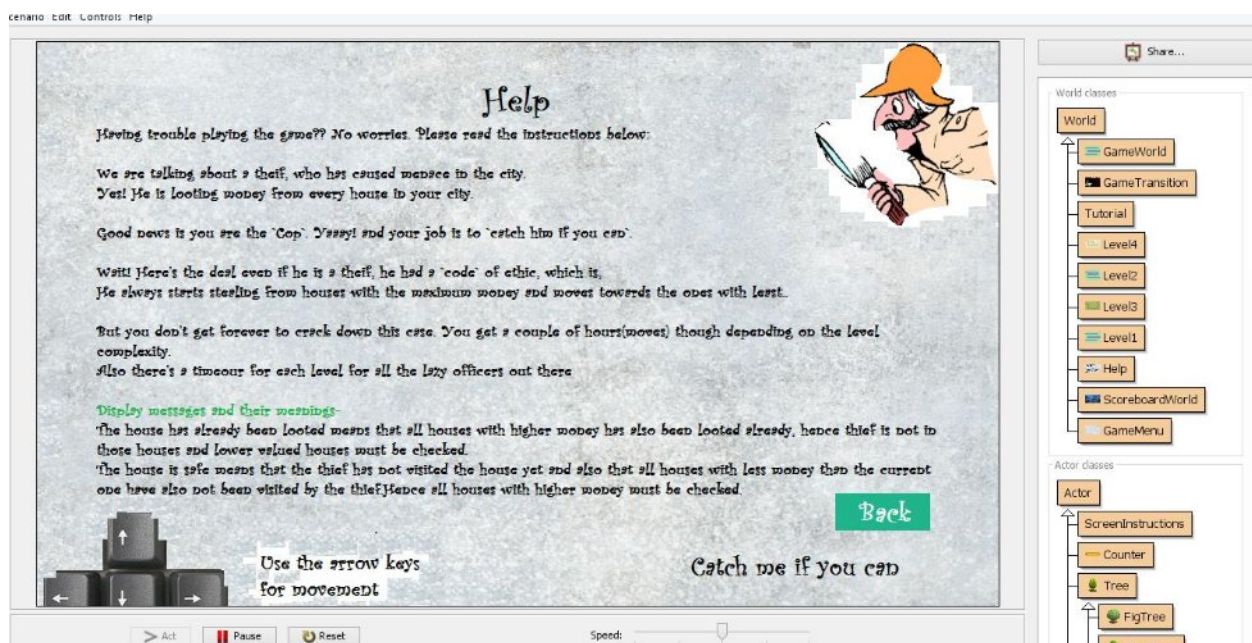
The Player has to type his name to proceed.



4. If the User name entered is empty it will show the pop up message to try again as shown above.



5. The tutorial button when clicked will show the binary search algorithm as shown above



6. The help button will give the instructions to the player on how to play the game as shown above.



7. Above is the image which show all the houses and the corresponding money in each of the houses. At the bottom of the page it will show the fuel (timer) for the player to find out the thief. At the top right corner the player will be shown how many hours left.

The player(With the police Car) has to catch the thief by visiting the houses using the binary search technique.



If the user wants to visit the house, he has to place the car above the house.



8. If the player visits any house, Corresponding status message is shown.

"The house is safe" Signifies the thief is not yet visited the house.

"The house has already been looted !! you losted one hour"- Signifies the player that the house is already been looted.

"The Thief is here you win" - Signifies the user has won this level by finding out the thief.

Divide and Conquer Technique: Divide the number of houses in to two separate parts, and then visit the houses on the left part or right part based on the display message on the visited house.

House is safe: Then the player has to visit the houses which has more amount of money than than visited house.

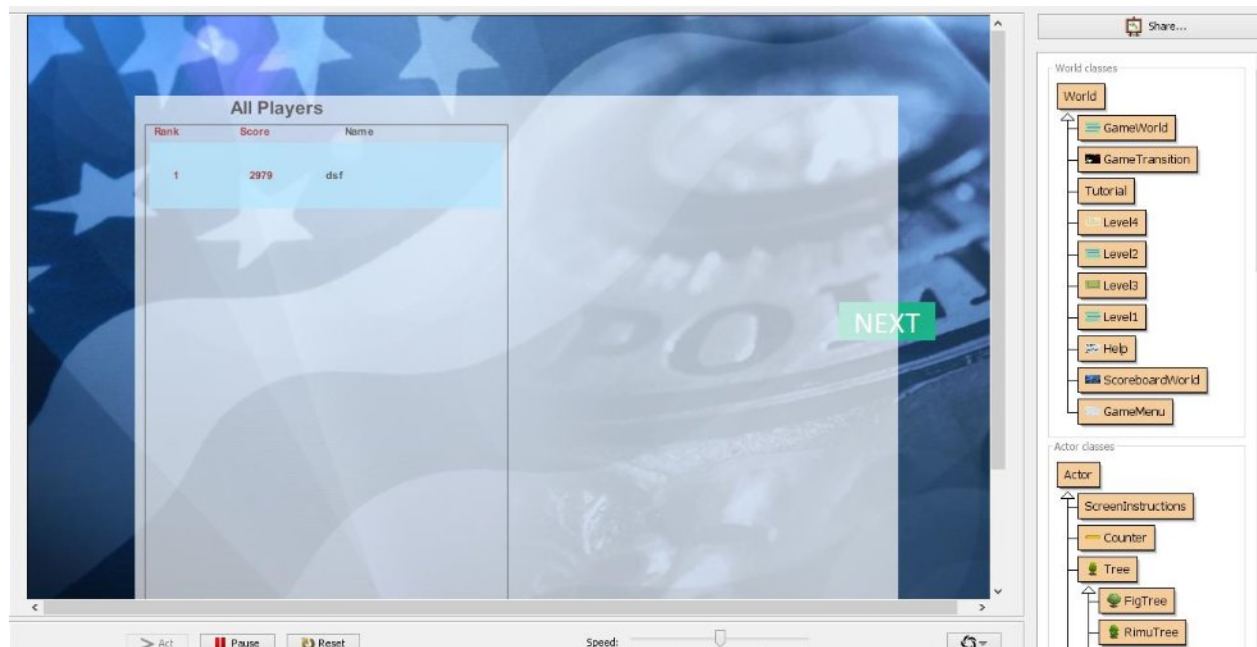
House is Looted: Then the player has to visit the houses which has less amount of money then than visited house.



9. If the house is visited, then the then the visited house will be shown with the above icon picture as shown.



10. If the user completes a level , Click on the NEXT button to go to the next level.



11. At the end of the game, the user will be shown the score in the above screen as shown.