**WORKSHOP**

**Team (5) – INCOGNITO**

**Project: Checkers game**

**Team members:**

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**Problem Statement**

It’s not every time that you necessarily want to play an online game because you sometimes have your friends come over and a simple, but fun game might just cheer up your mood. That is what’s the purpose of our game, a really lightweight desktop game which contains a 2 player mode.

This game is intended for anyone from a school going children to working individuals to even some game loving elderly-ies. This game is an offline mode game where you can compete with your fellow friend and find out who is really more strategic!

**Functional Specs:**

These are the following functionality that is going to be added in the given project:

New game: Every time you open the game, you have the option to play a new game.

Instructions: There is a column in the left column where you can learn the methods to play game and steps to how can we play games.

Contact us: This is the option that will help you to get in touch with developers or the current handler of that game, either to appreciate or to inform about some issues.

About us: This is the scenarios where you can know about the history of the game. And, about the team Incognito.

Clock:

**Scenarios:**

Two friends Jimin and Suga meet after a long time. They thought to play some game together. Jimin opened his pc and they saw a desktop game, checkers.

Following is the interaction between the game and those two players:-

* Since Jimin and Suga were new to the game so they clicked on the tutorial button, and they were taken to the game itself where the arrow button guided them to make a move and had tips and suggestions given inside the page sign)
* Now after ending the tutorial.
* They chose 5 min timer for each and the game was started.
* Jimin clicked on the piece and it was given the possible moves he could take.
* After Suga’s piece came diagonally in front of him, Jimin captured the piece by bypassing it diagonally forward and now was placed diagonally one step forward.
* The objective of the game is to capture every piece of the opponent.
* Suga was able to take its piece on the side of the Jimin, so he was awarded with one more piece at the top of the piece itself and crowned as a “King”

There is no possibility of invalid move as we have a move suggesting feature in our game.

**Intended Audience**

This game is intended for anyone from a school going children to working individuals to even some game loving old age people.

**External Interface Specifications:**

**Hardware** **interface**:

No hardware interface required. User just need to have a laptop/PC in order to play this game.

**GUIs**:

1. The game is based on English draught in which board size is of 8X8. Checkers is played by two persons who oppose each other across a board of 12 light and 12 dark squares. The 24 playing pieces are disk-shaped and of contrasting colours. At the start of the game, each contestant has 12 pieces arranged on the board.

## How the pieces are moved in the checker board:

Whenever user on its turn clicks on its piece and further clicks on the new position if that particular position is valid position then the piece will shown there as its valid movement otherwise the piece will come back to its original position.

## Kill move of the piece:

The kill scenario is shown when the player captures the opponent by taking a jump. So, by taking this move player’s piece is placed at the new position and the opponent piece is removed from its position.

1. When a piece reaches the furthest row from the player who controls that piece, it is crowned and becomes a king.
2. The user can change the theme of board accordingly. The colors of the board squares and the checker pieces are distinguishable. The basic checker pieces resemble a round standard checker piece.
3. The user can change his/her name and can enable **Do not Disturb** option to turn off the notifications.

**Technical Specifications: -**

**Operating System**

Windows 8 or higher

**Hardware details**

2 GB RAM & 2 GB Hard Disk Space

**Processor**

Intel core i3 and more