ENGG 1340 Project

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Tic Tac Toe game

We can use C++ to write a program for users to play the game.

We have several variables:

n denotes n by n matrix for the game space.

xs and ys denote the coordinate of the game space.

If there is 3 diagonal sets, horizontal sets or vertical sets, then there would be winner.

If there is a draw when all the empty spaces are filled in but no sets appear.

At any time, the game can be saved and loaded.

But the Game with Status “Finished” cannot be loaded.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Game ID | X coordinate | O coordinate | Winner | Status |
| 1 | (1,2);(3,1) | (3,3);(2,2) | None | Not finished |
| 2 | (1,1);(2,2);(3,3) | (1,2);(2,3) | X | Finished |

A picture containing graphical user interface

Description automatically generated