

AHSANULLAH UNIVERSITY OF SCIENCE & TECHNOLOGY



Department of Computer Science and Engineering

Year: 4

Semester: 2

Lab Group: B2

Group No: 4

Course Name:

Network Programming Lab

Course No:

CSE 4226

Group Members:

Prottoy Mushfiq(Prottoy)

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15-01-04-088

Date of Submission:

9 February, 2019.

Project Name:

TIC TAC TOE

Project Type:

Multiplayer Game with Network Programming

Project Requirements:

Hardware: 100 GB Hard Drive and 256 MB RAM

Software Requirement: NetBeans IDE 8.2, JDK 8

Front-End Design: Java Graphical User Interface (GUI)

Back End Design: Java Socket Programming

Operating System: Windows 10

Database: Microsoft SQL Server 2017

External Resources: Internet, Books.

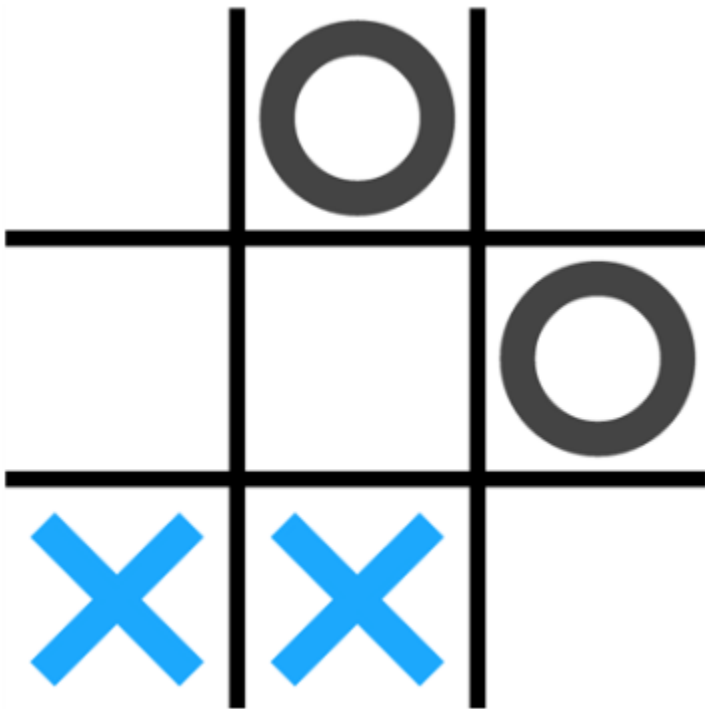
Project Overview:

This project is about a multiplayer game which is played by two players. One player can choose 'X' option and another player can choose 'O' option. There are nine blocks in the surface plane. If the 'X' or 'O' option is matched first in the three blocks diagonally or vertically or horizontally, then the player will win who chose the corresponding option. And another player will lose.

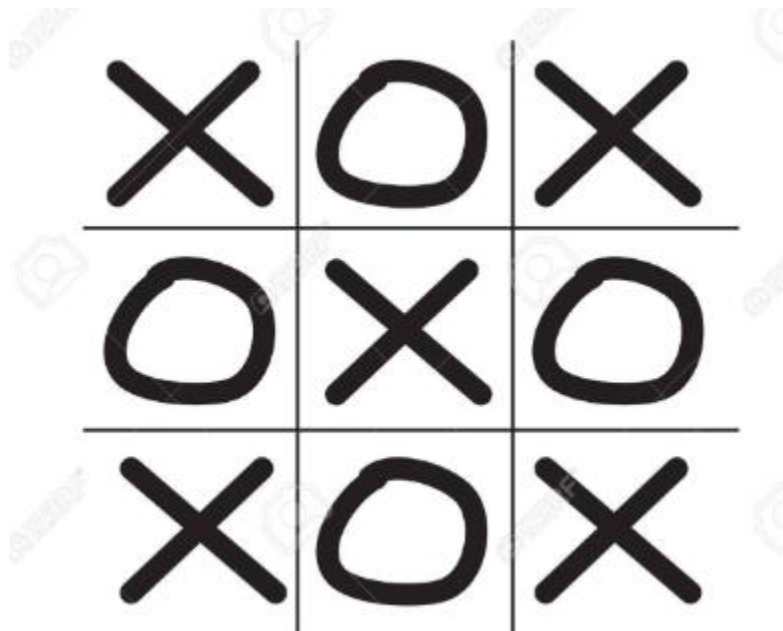
If the 'X' or 'O' option isn't matched in the diagonal or vertical or horizontal three blocks, no player will win. Ultimately, the match will be drawn.

Firstly, two players must log in to play this game if he has an account. If the player has no account, he must create an account by signing up. After logging in, two players can play this game. After finishing the match, there is a "Match History" in which the name of the players who played the corresponding matches is noted. The users can see the history. After finishing all the activities, the user can log out.

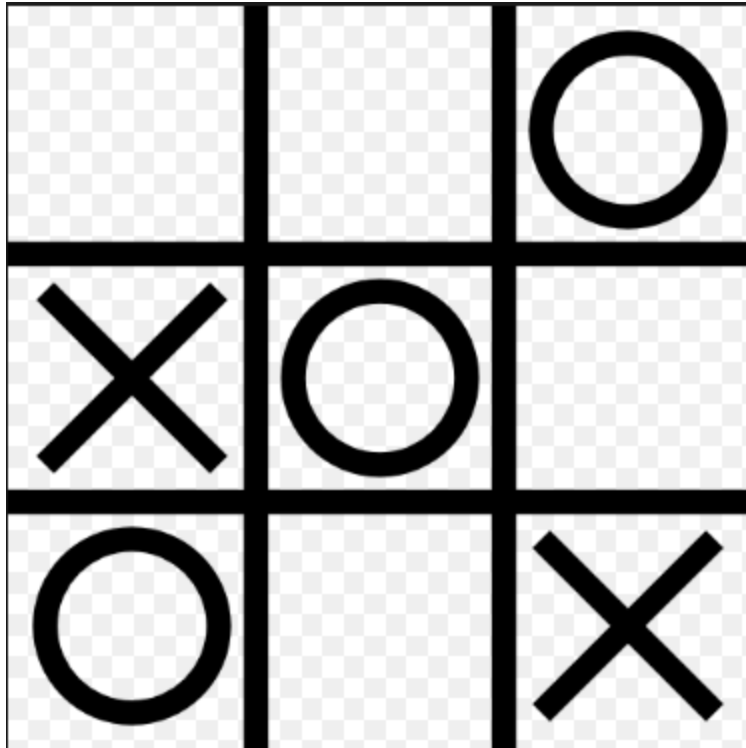
Snapshots of the game:



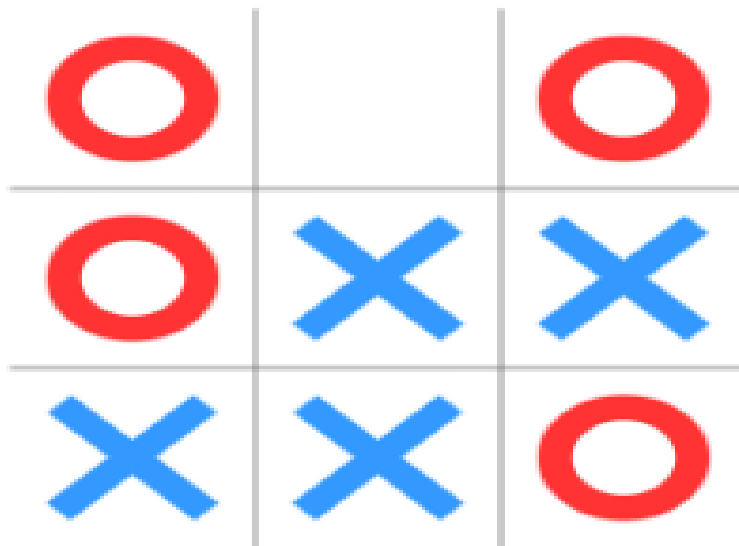
Picture: TIC TAC TOE game



Picture: Player chosen 'X' is winner.



Picture: Player chosen 'O' is winner.



Picture: No player is winner, so the match is drawn.

Conclusion:

This is all about our project proposal. We will try to complete this project within the submission deadline.