

Requirements for PA3

For this project, we are extending the functionality of the Tic-Tac-Toe game in version 1 with the ability for the user to determine the size of the board the game is played on. Additionally, the user should also be able to choose the number of pieces in a row that determine the match's victory condition. Finally, we are adding the option to play with a computer player of basic skill.

- When the user starts the game, they should be offered the option to set the size of the board by entering two positive integers, 'm' for the number of rows and 'n' for the number of columns. In addition, the user should be queried for the number of pieces in a row that determines victory, a third positive integer, 'k'.

If the user enters values for any of m, n, or k that are less than 1, the system will reject the input and prompt the user to enter valid values for m, n, and k.

- The system will ask the user whether they would like to play by themselves or with a computer opponent of basic skill level.