NimGUI

- frame: JFrame
- heapIndexField: JTextField
- objectsToRemoveField: JTextField
- submitButton: JButton
- heapsInfoLabel: JLabel
- heapIndex: int
- objectsToRemove: int
- + NimGUI()
- updateUI(heaps: ArrayList<Integer>, player1Turn: boolean, vsAI: boolean): void
- + displayMessage(message: String): void
- + isInputReady(): boolean + getHeapIndex(): int
- + getObjectsToRemove(): int
- handlePlayerInput(): void

resetGame(): void

- + resetInput(): void
- + dispose(): void

Main - frame: JFrame - panel: JPanel - label: JLabel - start: JButton - quit: JButton - random: Random - scanner: Scanner - choice: int - ticTacToeBoard: char[][] + Main() + main(String[]) : void - displayInstructions(): void - startGame(): void - placeBlockGUI(char[][], char, boolean) : void - showBoardGUI(char[][]) : void - placeAlMove(char[][], JButton[][], char) : void - resetBoard(): void - disableButtons(JButton[][]): void

+ isBoardFull(char[][]) : boolean

+ isWinner(char[][], char) : boolean

