

**UMLs: 2048**

Board
- int [][] grid
+ Board() //Default constructor - String strArr(int [][]) //Returns the inputted 2d array as a string + void printBoard() //Prints the board in terminal format + boolean shiftRight() //Moves all the tiles right, combining tiles along the way. Returns false if the move is impossible. + boolean shiftLeft() //Moves all the tiles left, combining tiles along the way. Returns false if the move is impossible. + boolean shiftDown() //Moves all the tiles down, combining tiles along the way. Returns false if the move is impossible. + boolean shiftUp() //Moves all the tiles up, combining tiles along the way. Returns false if the move is impossible. - void moveRight() //Moves all the tiles right - void moveLeft() //Moves all the tiles left - void moveDown() //Moves all the tiles down - void moveUp() //Moves all the tiles up - void mergeRight() //Combines tiles to the right - void mergeLeft() //Combines tiles to the left - void mergeDown() //Combines tiles to the down - void mergeUp() //Combines tiles to the up + void newTile() //Creates a new tile in a random empty index of the grid + boolean isEnded() //Returns a boolean based on if the game has ended, prints a message if it has

Woo
- String acceptedInputs
+ void main(String[]) //Creates a board, and runs through a loop of displaying it, asking for input, and updating the board + String inputGet() //Gets valid input from the player + String begInputGet() //Handles the beginning of the game + boolean moverDoer(String, Board) //Attempts to execute the player's move, returns false if the move is impossible.

