PROJECT DOCUMENTATION:

NAME OF THE TITLE: "MINESWEEPER VIDEO GAME"

AIM: THIS IS A GAME, IN THIS GAMES MINES ARE SCATTERED THROUGHOUT A BOARD, IN THIS GAME WE ARE ESCAPING THE MINES(BLASTING).

DESCRIPTION:

STEP 1: IN THIS MINESWEEPER VIDEO GAME MINES ARE SCATTERED THROUGHOUT A BOARD, THERE IS NO SCORES BUT TIME WILL BE GENERATE TO FINISH THE GAME.

STEP 2: A GRID HAS DIVIDED INTO CELLS.

STEP 3: CELLS HAVE THREE STATES: UNOPENED, OPENED AND FLAGGED.

STEP 4: FIRST, WE ARE CREATING A MATRIX/GRID (NUMBER). A MATRIX/GRID CONTAINS ROWS AND COLUMNS THE CELLS ARE IN "UNOPENED STATE".

STEP 5: NEXT WE CAN A SELECT/CLICK A CELL RANDOMLY, THE CELL WILL BE OPENED AND CELLS CONTAINS SOME OBJECTIVES.

STEP 6: IF A CELL CONTAIN A MINE OBJECT, THE GAME WILL BE OVER/LOSS.

STEP 7: OTHERWISE, THE OPENED CELL DISPLAYS A BLANK THEN ALL ADJACENT NON\_MINED CELLS WILL OPENED AUTOMATICALLY.

BLANK CELL INDICATING THE NUMBER OF MINES ARE THERE DIAGONALLY AND/OR ADJACENT CELLS TO GENERATING A NUMBER(1,2) OF BLANK CELL.

STEP 8: IF BLANK CELL CHECKS BOTH ADJACENT & DIAGONALLY CELLS, IN ADJACENT CELLS HAS MINE & DIAGONAL CELLS IS ALSO CONTAIN A MINE GENERATING A NUMBER IN BLANK CELL AS "2".

STEP 9: OTHERWISE, IF BLANK CELL CHECKS BOTH ADJACENT & DIAGONALLY CELLS, IN ADJACENT CELLS HAS MINE & DIAGONAL CELL HAS NOT MINE THEN THE BLANK CELL GENERATED NUMBER AS "1"

[OR]

STEP 9: IF IT IS A BLANK CELL CHECKS BOTH ADJACENT & DIAGONAL, ADJACENT CELL HAS NO MINES & DIAGONAL CELL HAS A MINE THEN ALSO THE BLANK CELL GENERATED NUMBER AS "1" ONLY.

STEP 10: SOMETIMES BLANK CELL NUMBER SHOULD BE INCREASED IT DEPENDS ON GRID SIZE AND MINES (MORE THAN 3) ALSO.

STEP 11: IN BLANK CELL AS BOTH ADJACENT/DIAGONAL CELLS CANNOT CONTAIN MINES IT SHOULD "BLANK ONLY" IT CANNOT GENERATE ANY NUMBER.

STEP 12: IN SOME CELLS WE CAN FLAG A CELL, WHICH IS VISUALISED BY A FLAG BEING PUT ON THE LOCATION, WE BELIEVE A MINE TO BE IN THAT PLACE.

STEP 14: FLAGGED CELLS ARE STILL CONSIDERED AS UNOPENED UP TO THE GAME FINISH.

STEP 15: TO WIN A GAME OF MINESEWEEPER, ALL NON-MINE CELLS MUST BE OPENED WITHOUT OPENING A MINE.