

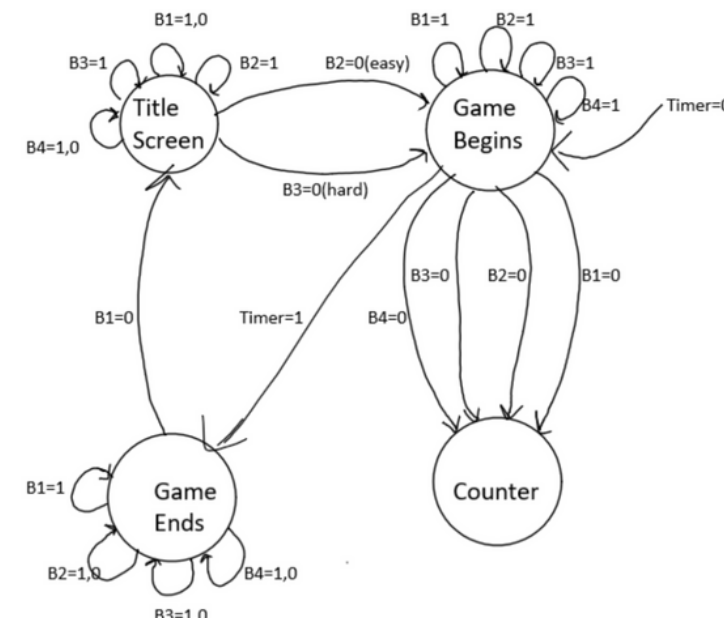
Zoya Suleman, Bismaa Behlim, Rabia Shahab, Iqra Azfar

# Introduction

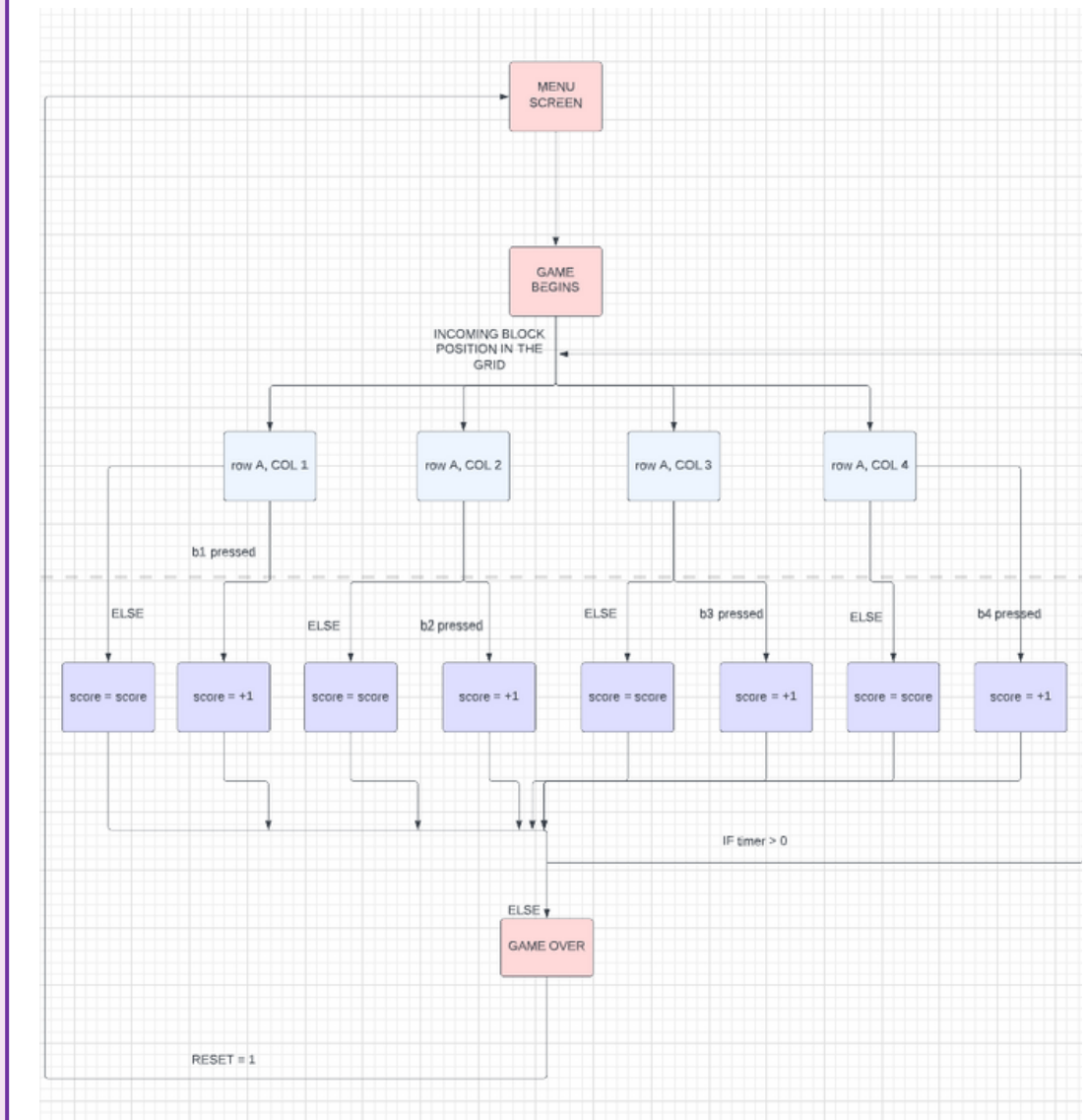
A reimagining of the classic game "Piano Tiles", In this game, the players match musical notes that scroll on-screen at the correct instant, using colour coded buttons. The buttons signify the guitar strings, wherein he/she is trying to play the musical notes as generated by the computer in order to score points, and become a rockstar!

- FPGA Basys-3
- Inputs: buttons
- Outputs: monitor via VGA, buzzer
- Mealy FSM used

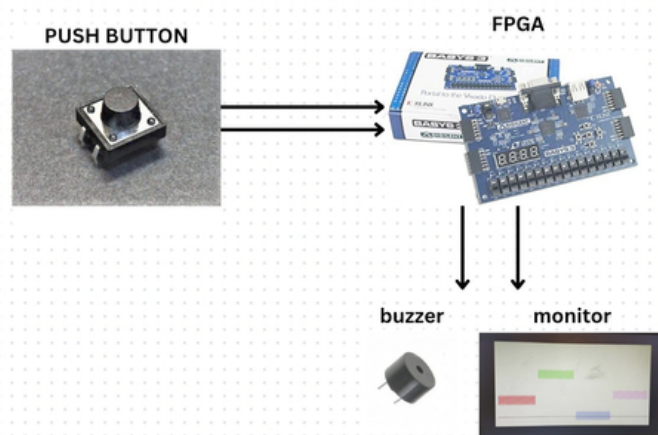
# FSM State Transition Diagram



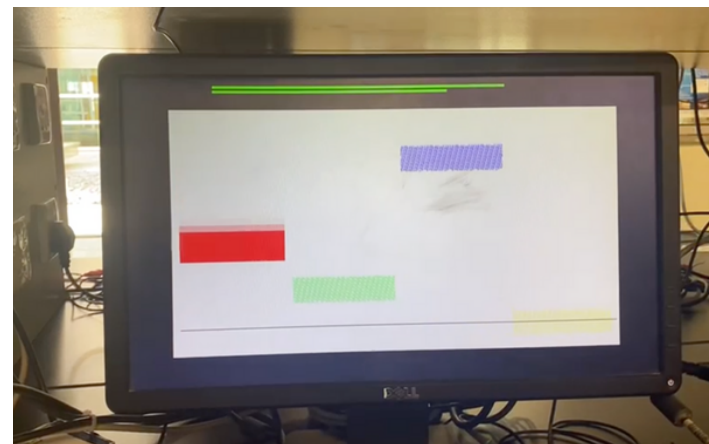
## USER FLOW DIAGRAM



## SYSTEM DIAGRAM



## RESULTS



## Hardware Resource Utilization

Add a screenshot of "Utilization" from "Project Summary" Window of Vivado. An Example is added for reference, and replace with yours.

