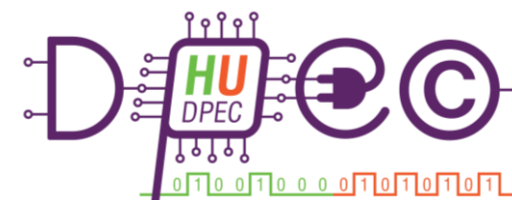# FROG HUNTER

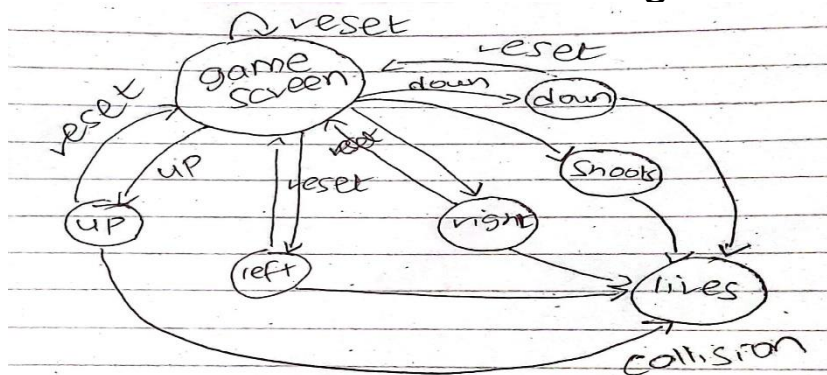Rohan Raj, Abubakar Mirza, Umar Kashif, Sikander Ahmed

Introduction

We have made a 2 player game where one player is the shooter while other is the frog. The frog has 3 lives and has to stay alive for 1 minute while the shooter has to shoot the frog 3 times in that minute. The player wo achieves its objective wins!

BASYS 3 FPGA board is used
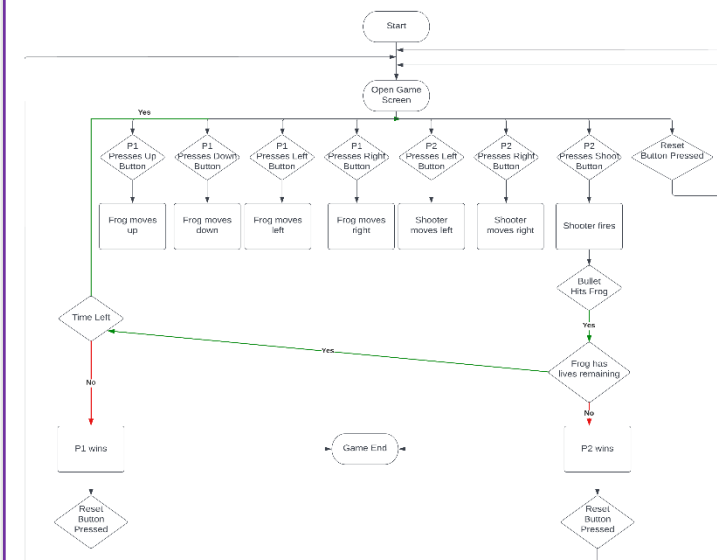
Input device is FPGA board while output device is monitor

FSM type is Mealy.

FSM State Transition Diagram
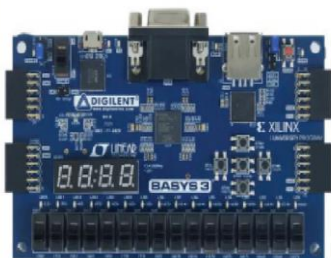

User Flow Diagram

System Diagram

Results

Hardware Resource Utilization