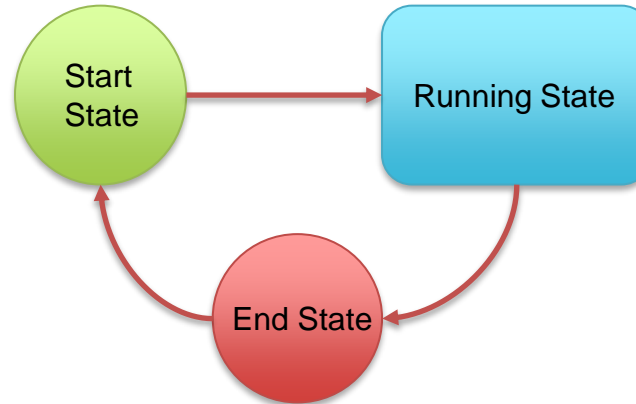


Introduction

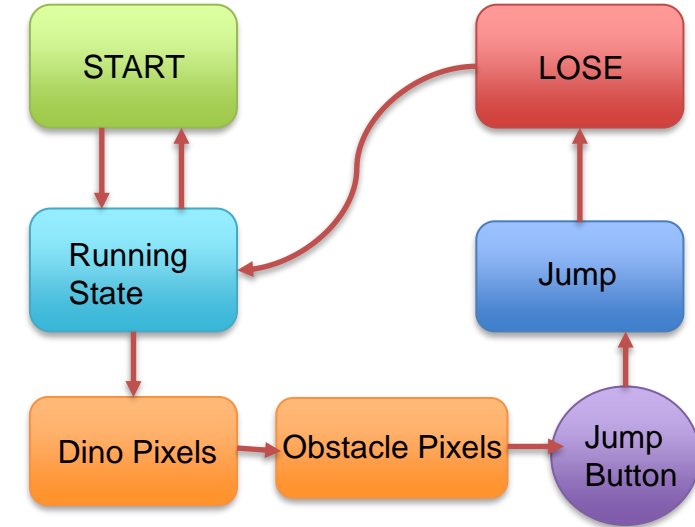
Our project is based on the well known Google T-rex game that appears every time you disconnect from the internet. Our dinosaur jumps to avoid incoming obstacles (Cacti):.

- Our game uses a standard BASYS 3 FPGA board which is programmed via Vivado/Xilinx.
- Input: Keyboard (Spacebar for Start/Jump and Enter for Reset)
- Output: Computer/Laptop Monitor

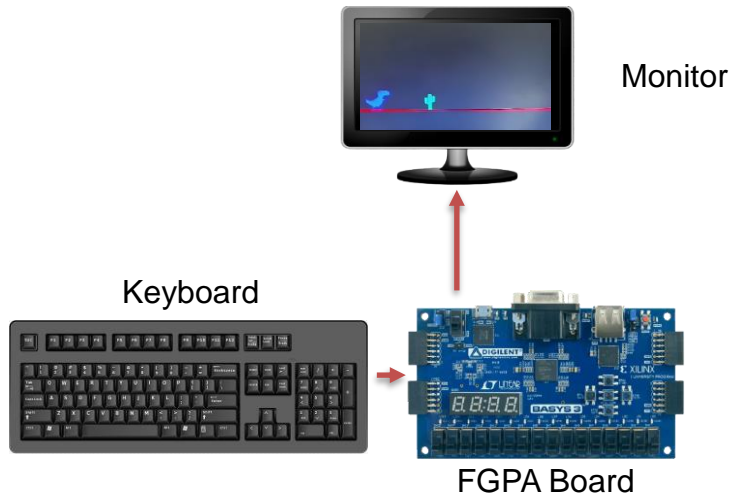
FSM State Transition Diagram



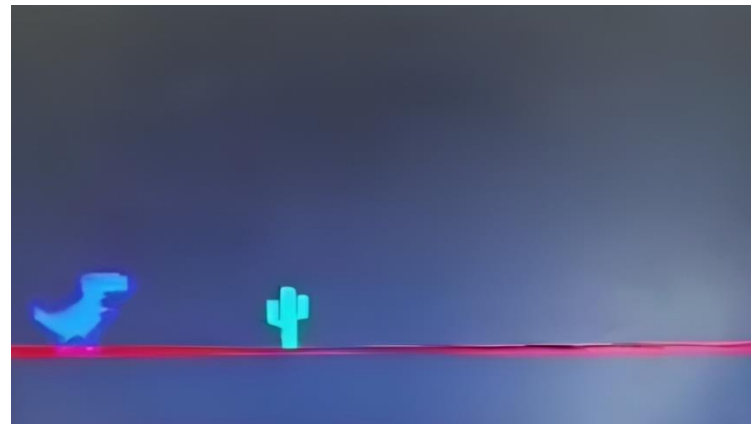
User Flow Diagram



System Diagram



Results



Hardware Resource Utilization

Summary

Resource	Utilization	Available	Utilization %
LUT	1756	20800	8.44
FF	209	41600	0.50
IO	33	106	31.13

