



KU Pinball Wizards

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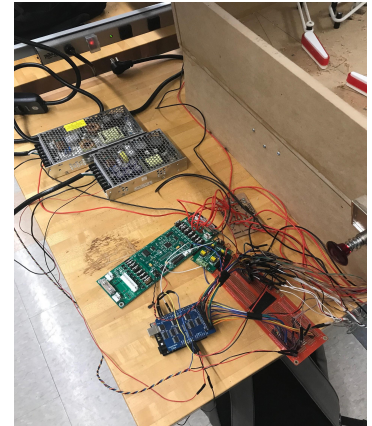
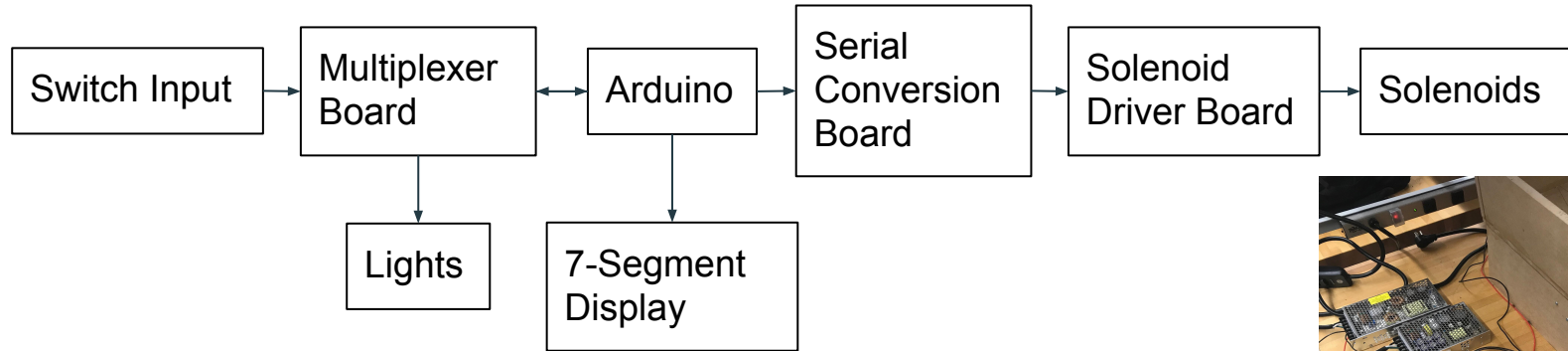


Project Overview

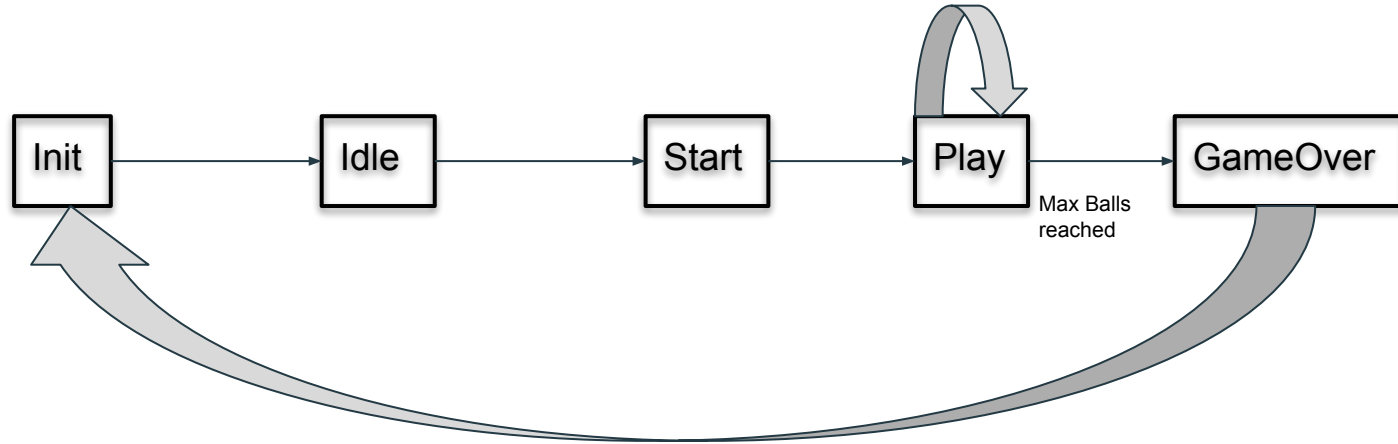
The objective of this project was to:

- Create an affordable pinball machine that is controlled by an arduino
- Write game code that is reconfigurable by the user to add replayability to a classic game

Hardware



Software

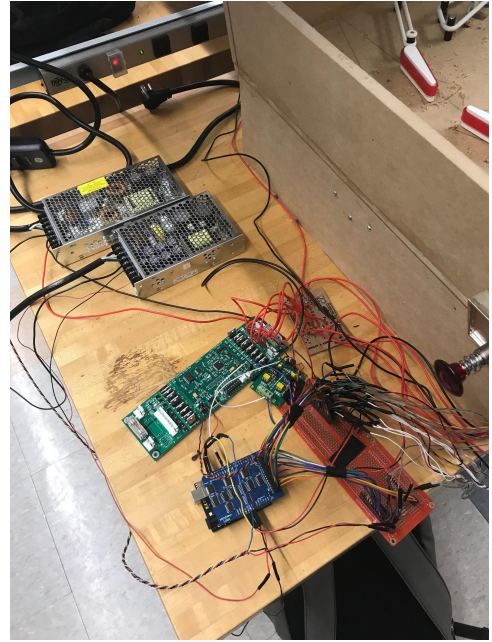
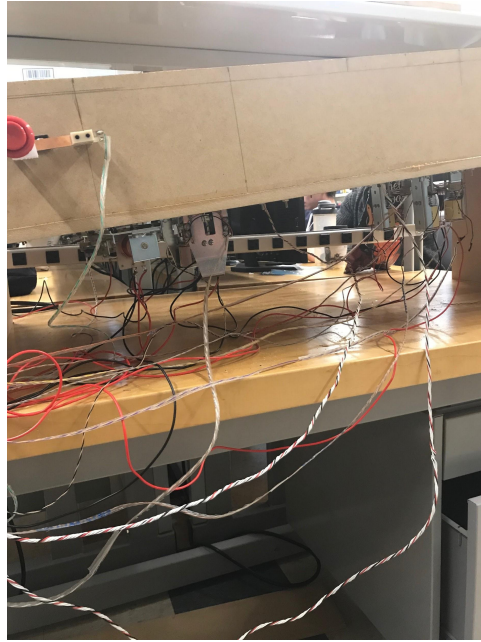


- All written in an arduino file
- Simple FSM diagrammed above to control game states
- Reconfigurability handled in the INIT phase

What we have accomplished



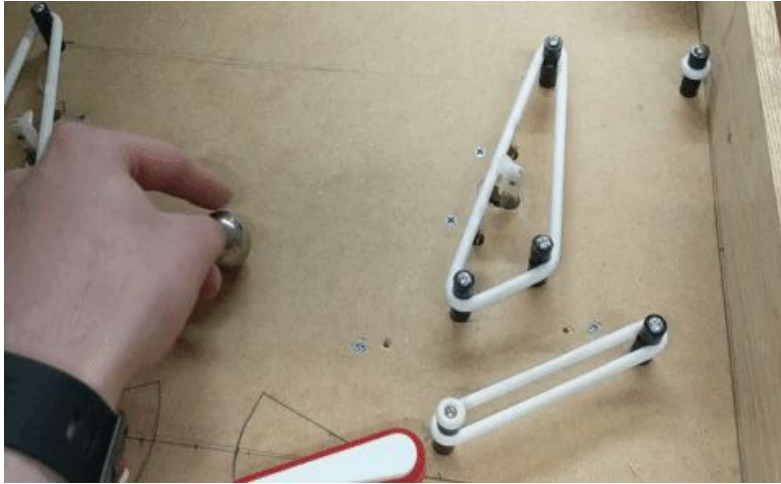
Lots of Wires...



The machine in action...



The machine in action...



Challenges

- Getting Driver Board to work initially with the arduino
- Wood-working/drilling was time consuming
- Installing parts and calibrating so that solenoids fire properly
- Wire management

Future Additions/Changes

- Multiple game modes
- Save multiple players scores
 - Have high score display
- Create CAD model of playfield and cut using CNC machine for more precise installation of components and better playfield design

Thank You!

Questions?