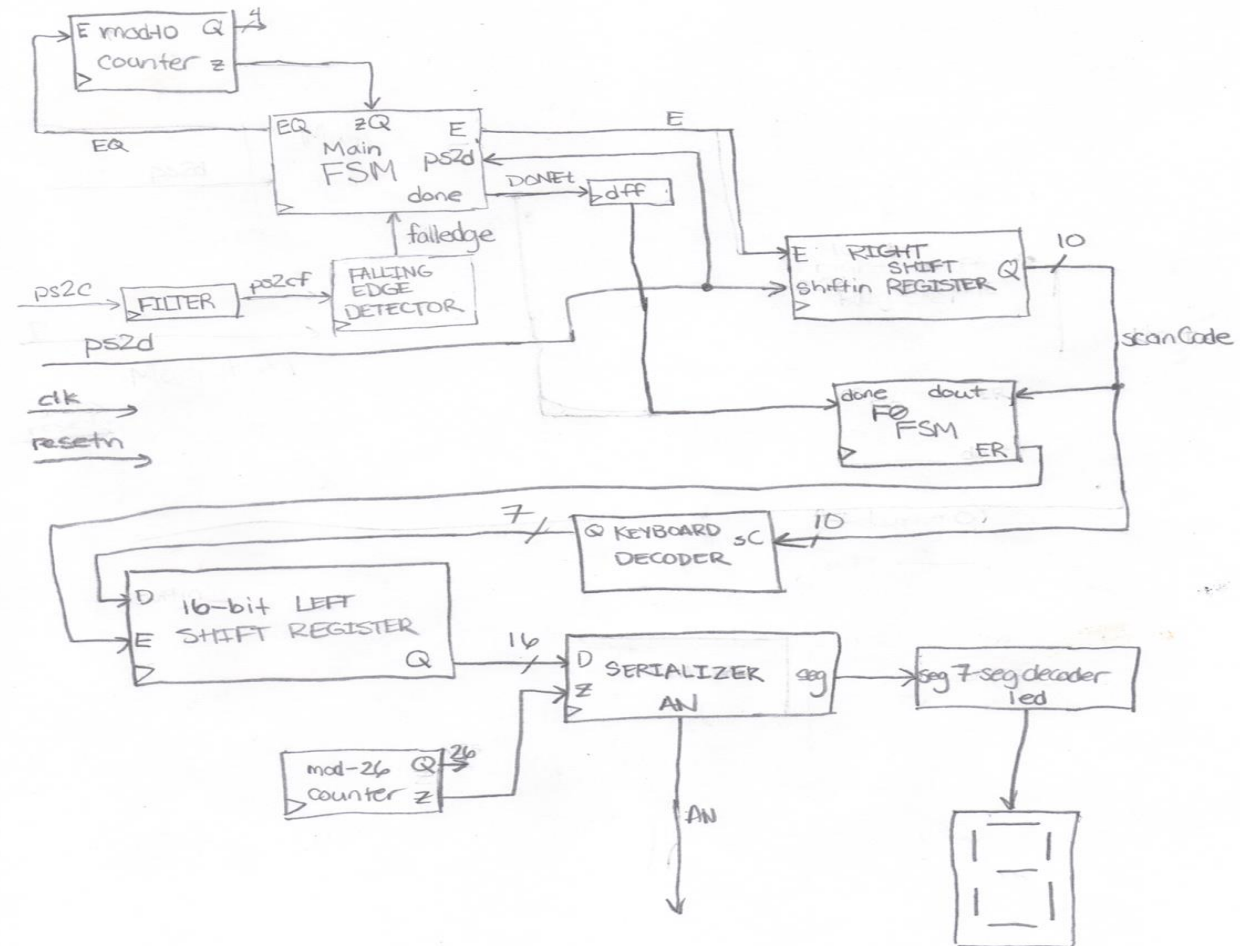# Keyboard to 7-Segment Display

Chris Mathewson, Jason Mansour, and Kristine Miller
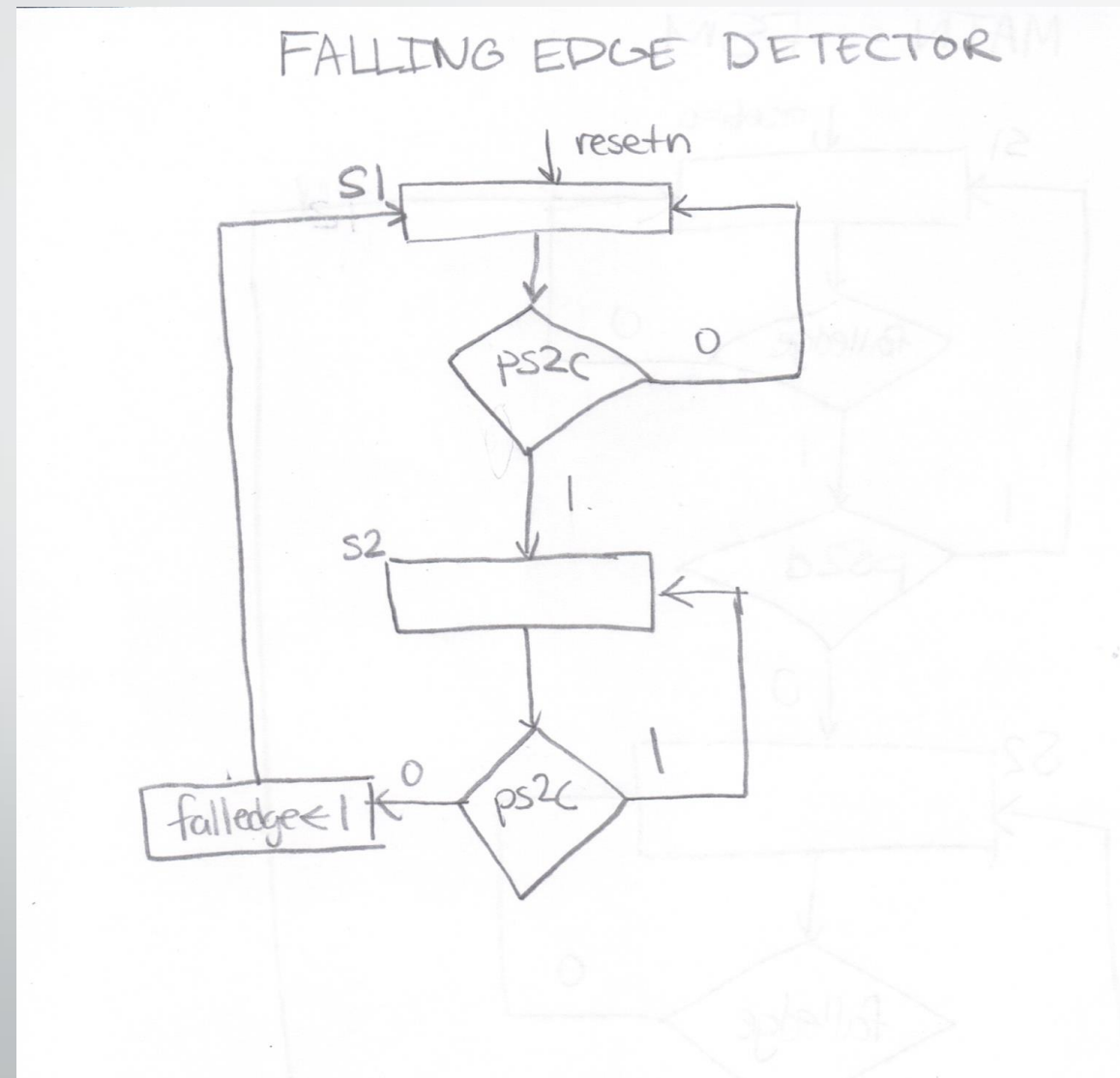
Introduction

- Input a number (0-9) from a keyboard
- Display the number on the 7-segment display
- Shift the previously entered numbers to the left when a new number is entered
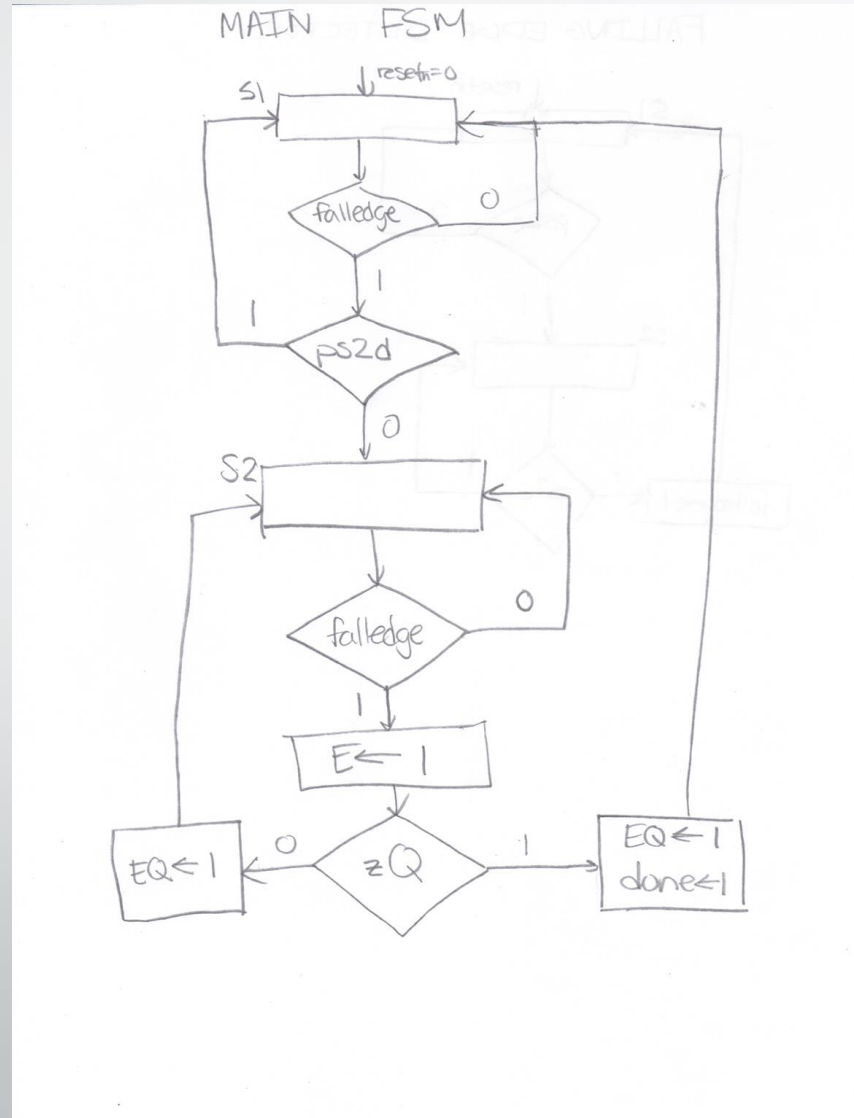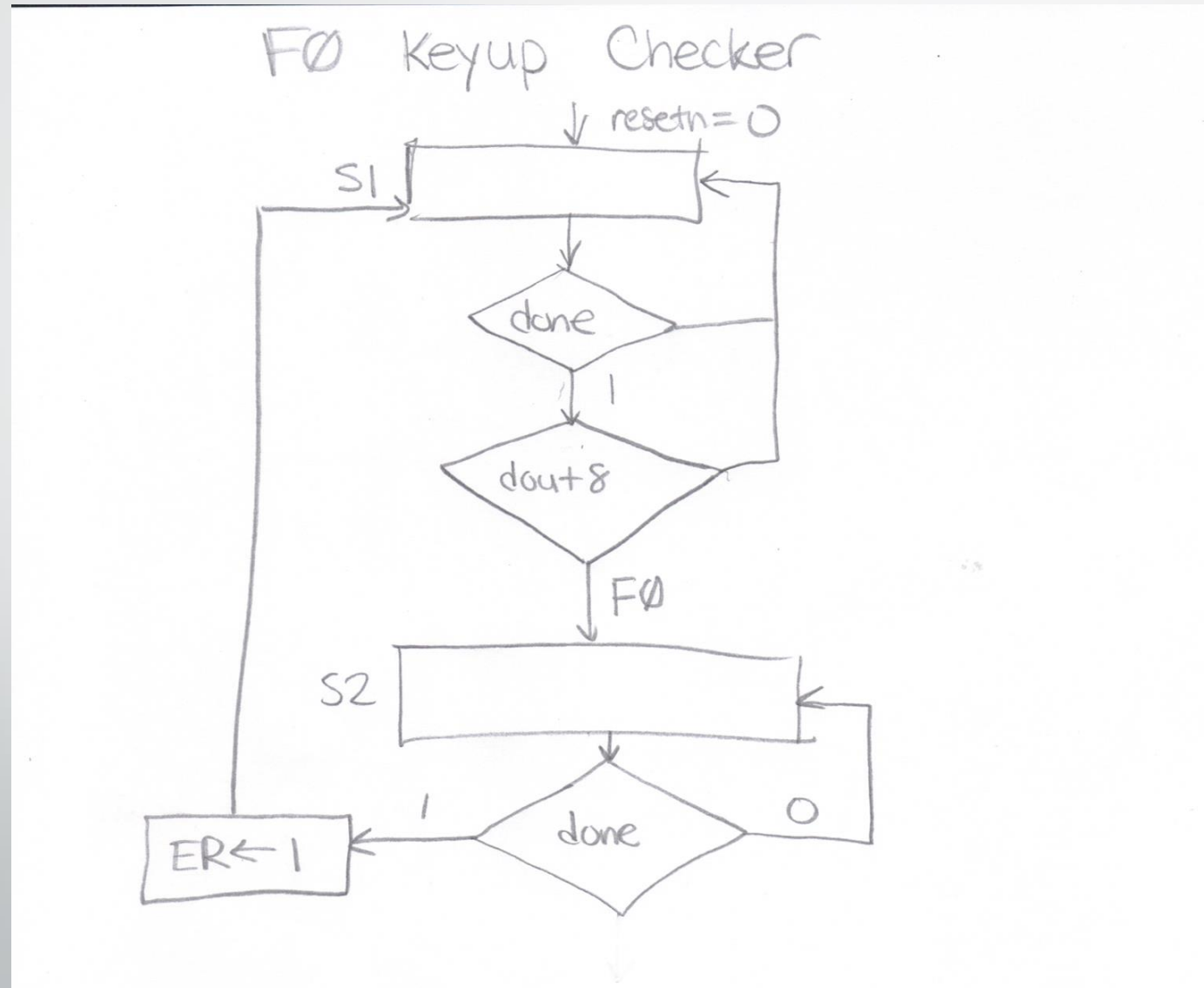
Top-Level Design

Falling Edge Finite State Machine

Main Finite State Machine

Fo Detector Finite State Machine

Challenges

- Getting the Correct Scan Code

- Designing the FSM's

- Dealing with the Keyup Signal

- Creating the filter\5

Conclusion

- The Program mostly works

- Three FSM's were used

- A number (0-9) is input from a Keyboard and output onto a 7-segment display

Any Questions?

Thanks!