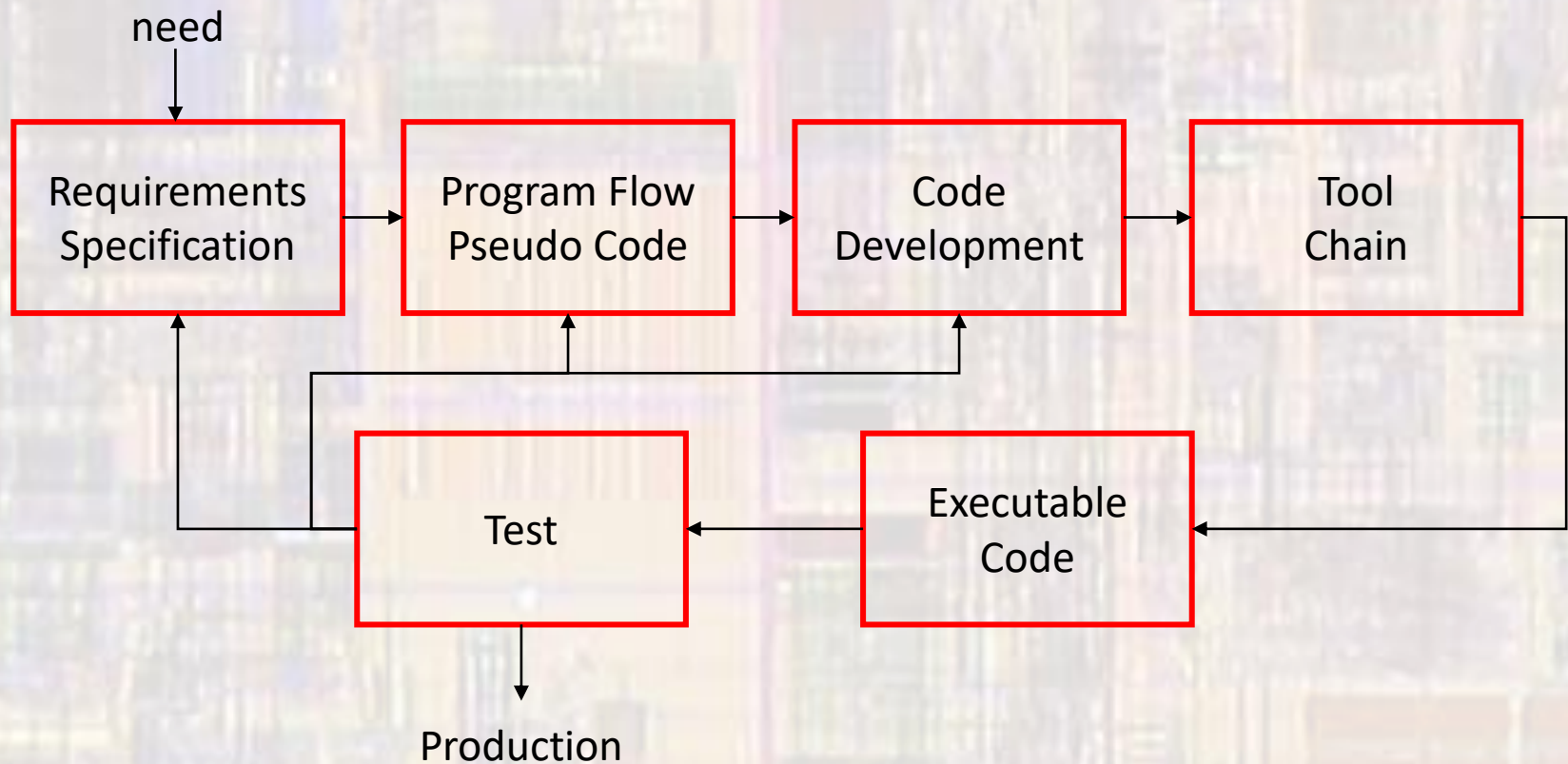


Flow Diagrams

Last updated 6/30/21

Flow Diagrams

- Development process

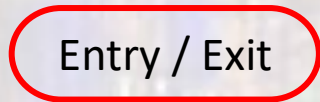


Flow Diagrams

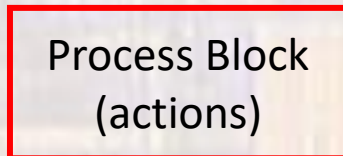
- Program Flow
 - Hierarchical system design
 - Up/Down sub-system design
 - Focus on general structure – not too specific

Flow Diagrams

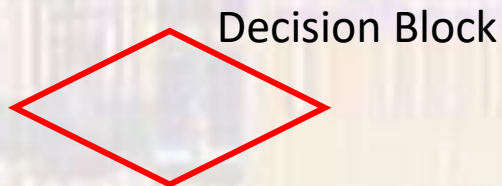
- Basic flow diagram blocks



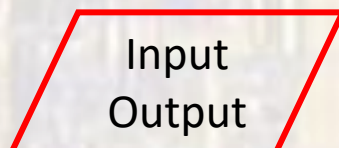
Start/end of this section of the flow diagram



Actions for the program to take
Internal to the processor



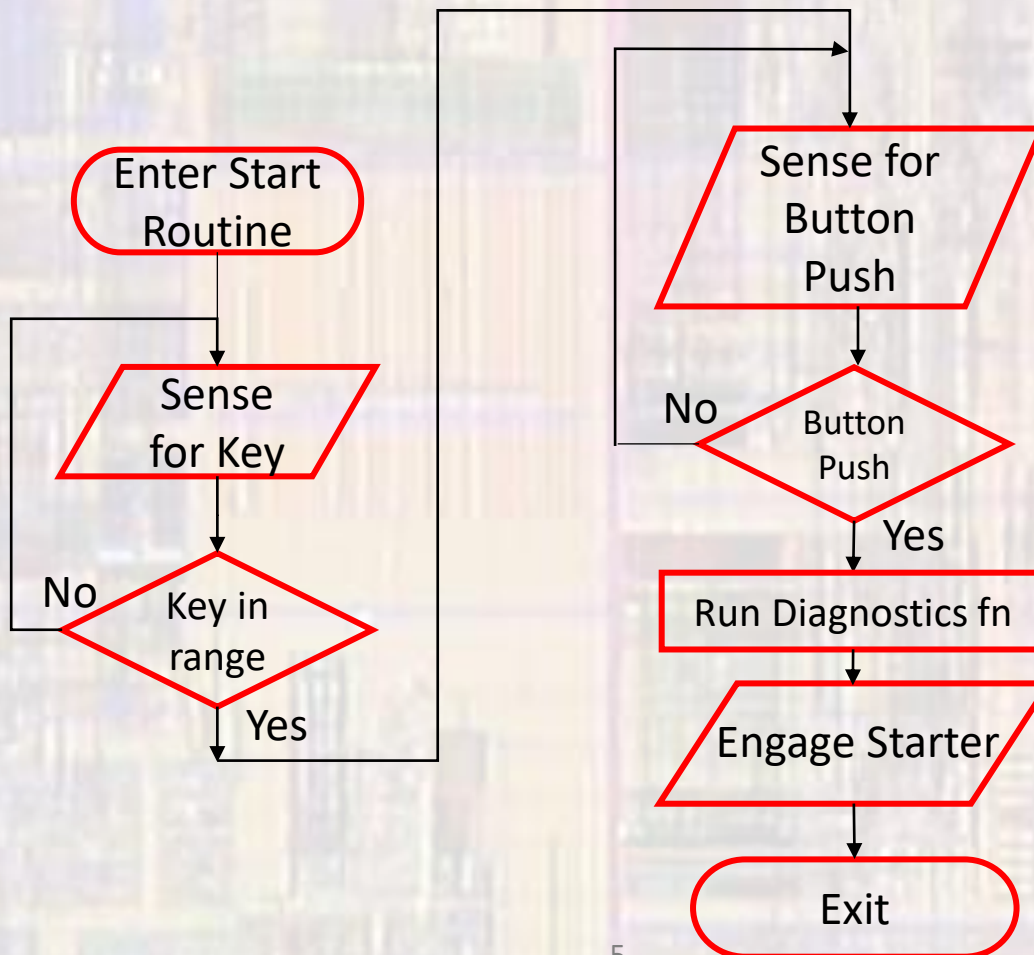
Flow direction options
Y/N or T/F decisions



Actions associated with external entities
outputs to screen or wires
inputs from keyboard or wires

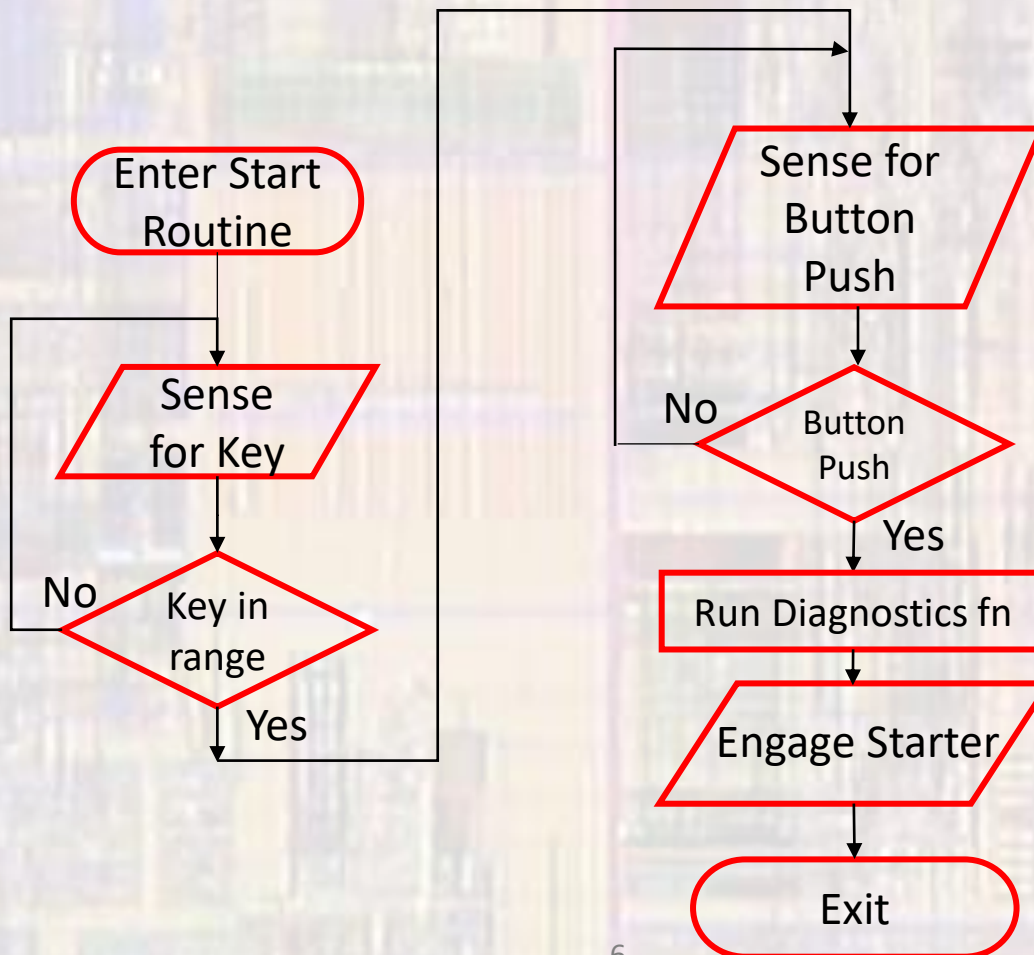
Flow Diagrams

- Program Flow – Keyless Start



Flow Diagrams

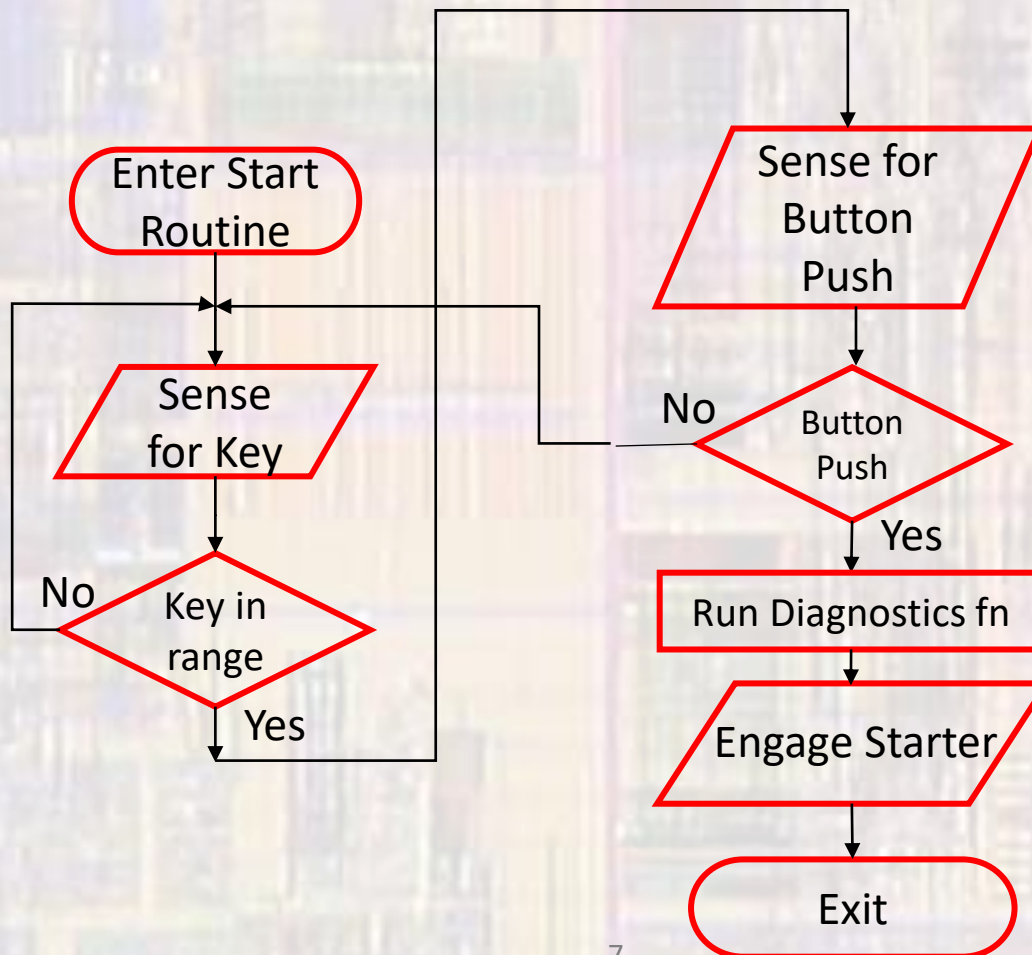
- Program Flow – Keyless Start



What's wrong?

Flow Diagrams

- Program Flow – Keyless Start



Flow Diagrams

- Pseudo Code – Keyless Start

In an infinite loop:

If Key present

 If button pushed

 run diagnostics fn

 engage starter

 end

end