

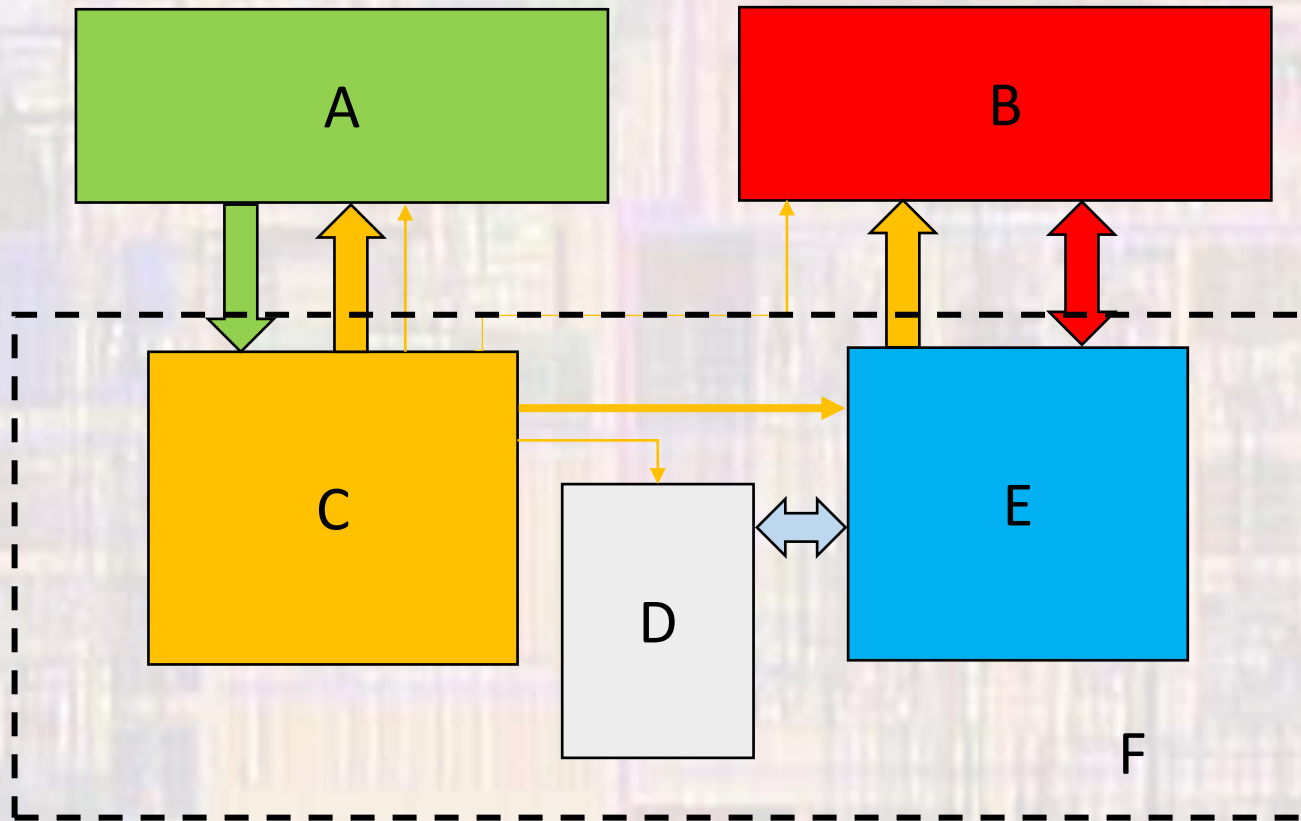
# HW 6

## Architecture and Memory

Name: \_\_\_\_\_ Time spent: \_\_\_\_\_ min

1 – Identify each block

10 pts



A \_\_\_\_\_ B \_\_\_\_\_

C \_\_\_\_\_ D \_\_\_\_\_

E \_\_\_\_\_ F \_\_\_\_\_

2) Write a short description for each item

40 pts

SRAM

DRAM

Flash

Word Aligned

Little Endian

3) Identify the volatility of each memory  
(X in the box)

25 pts

- A: Hard Drive
- B: CD
- C: CPU Register
- D: Solid State Drive
- E: Record
- F: Data Memory
- G: Your Brain

Volatile	Non-Volatile

4) Identify each processor application as embedded, general purpose, or both.

put an X in the box

25 pts

A: Car radio

B: iPad

C: Bluetooth Speaker

D: Gaming Computer

E: Smart TV

F: Tool battery charger

G: Electric door lock

Embedded	General Purpose	Both