

ENGI 301

Software Block Diagram

3/7/24
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Classes & Functions

button:

wait_for_press- waits for button to be pressed

is_pressed- determines whether button is pressed

buzzer:

play- plays noise

stop- stops noise

led:

on- turn light on

off- turn light off

display:

blank- turns off all LEDs

countdown- display 5 second countdown

text- update display with text

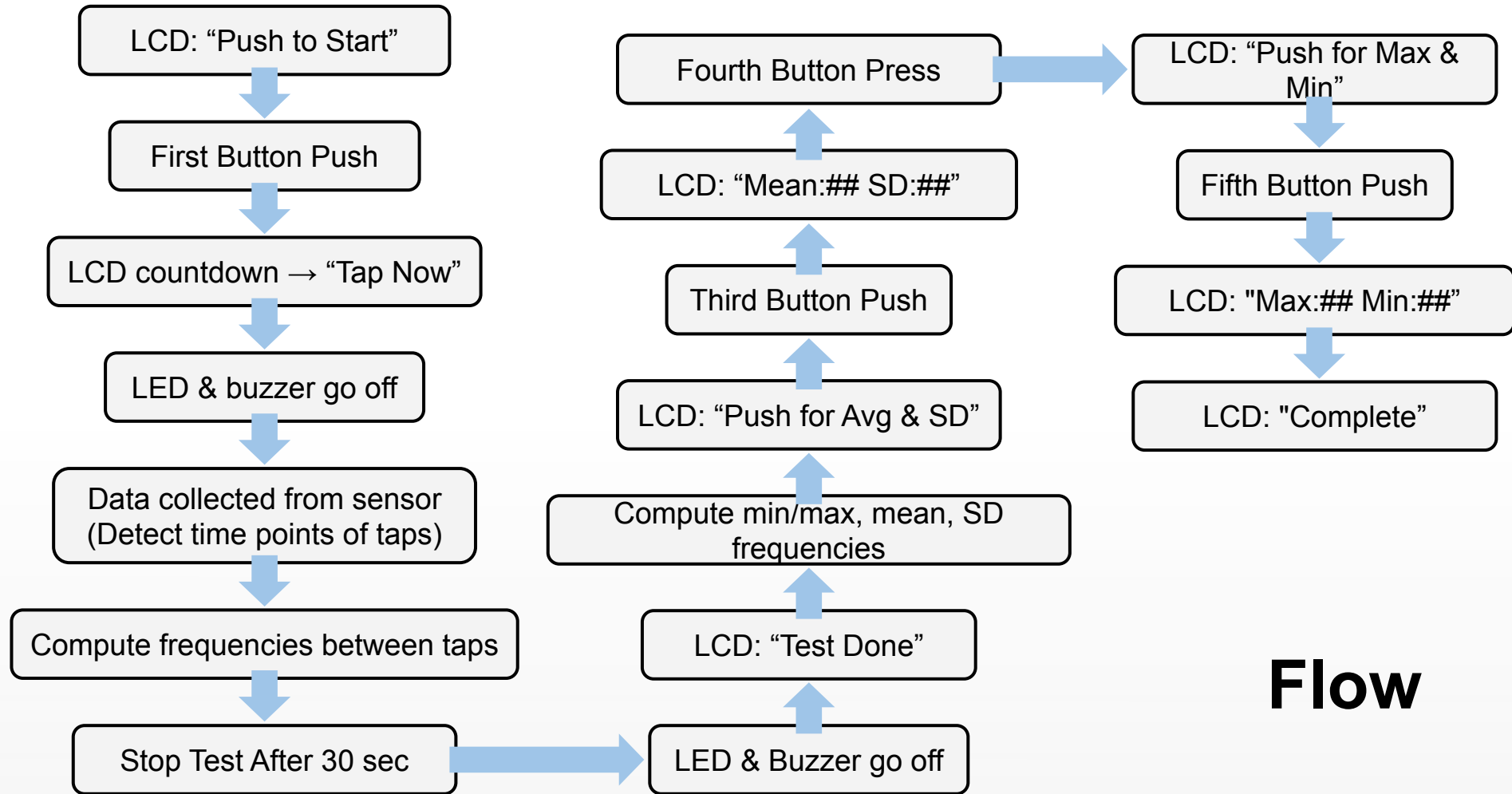
data- update display with frequency data

sensor:

wait_for_tap- waits for tap

is_tapped- determines whether sensor is tapped

tap_time- determines last time point when sensor was tapped



Flow