UML ACTIVITY DIAGRAM Akshita Bhasin & Madhukar Arora | October 22, 2019 Main Normal LED BLUE Operation **GLOWS** State Allocate 16 bytes No Allocation Error Success? Yes Write Memory Pattern Pattern Generator Display Memory Location Pattern Verify Pattern Generator Pass/Fail Fail Return Address where Pass pattern don't match Write 0xFFEE to a memory location Display Memory Location Pattern Verify Pattern Generator Return Fail Address where Pass/Fail pattern don't match Pass Write Memory Pattern Pattern Generator Display Memory Location Pattern Verify Pattern Generator Return Fail Address where Pass/Fail pattern don't match Pass Get Address Invert 4 bytes Display Memory Location Pattern Verify Pattern Generator Return Fail Address where Pass/Fail pattern don't match Pass Invert 4 bytes Display Memory Location Pattern Verify Pattern Generator Return Fail Address where Pass/Fail pattern don't match Pass Free Yes No Successful Implementation LED GREEN LED RED **GLOWS** GLOWS