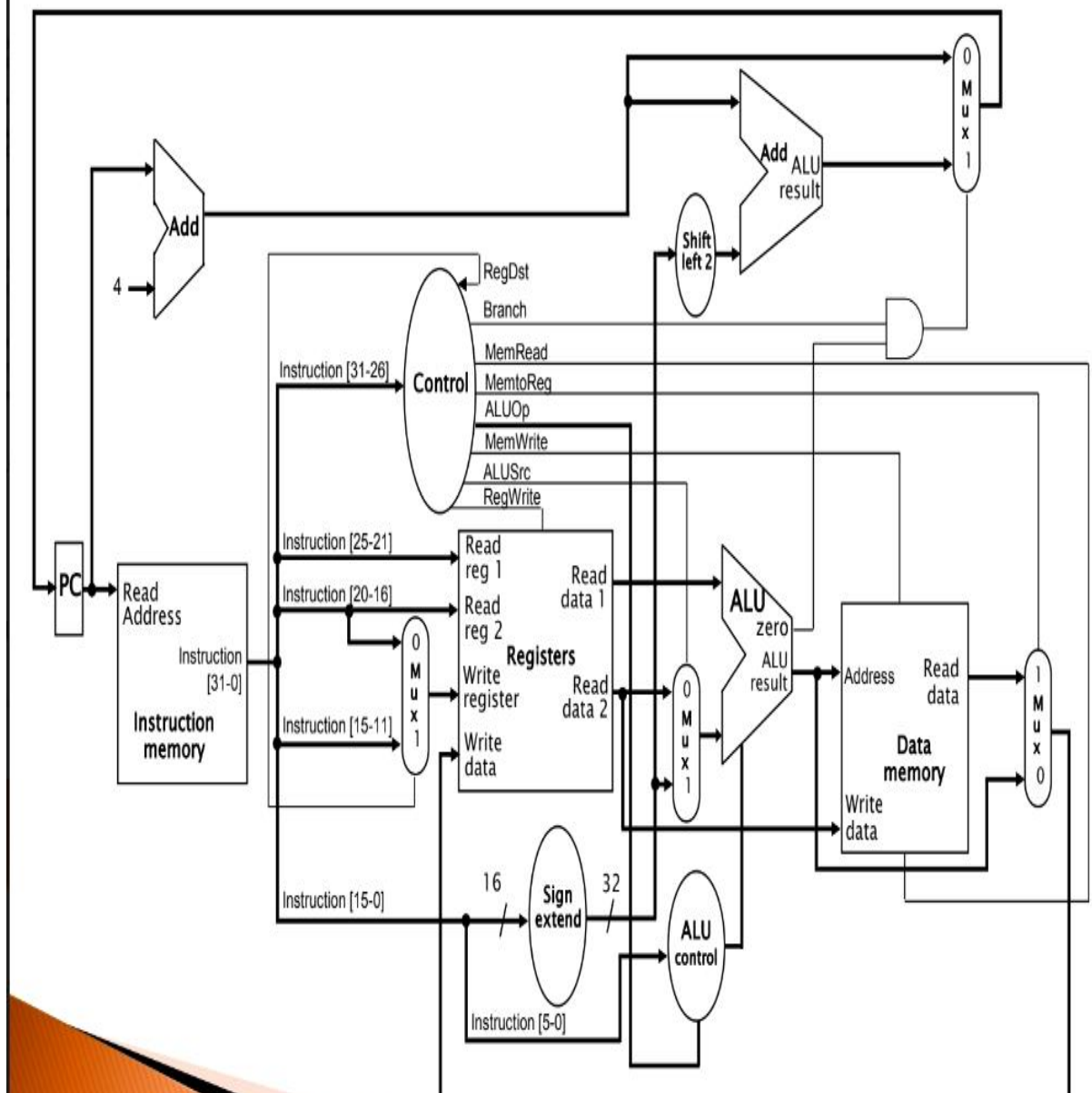


CSE 331 FINAL PROJECT SHEMATICS

The datapath and control unit shown in the book were used in this project by making a few changes on them such as removing sign extend unit or not shifting immediate value in j instruction. Also, ALU Control Unit is removed from the mips processor.

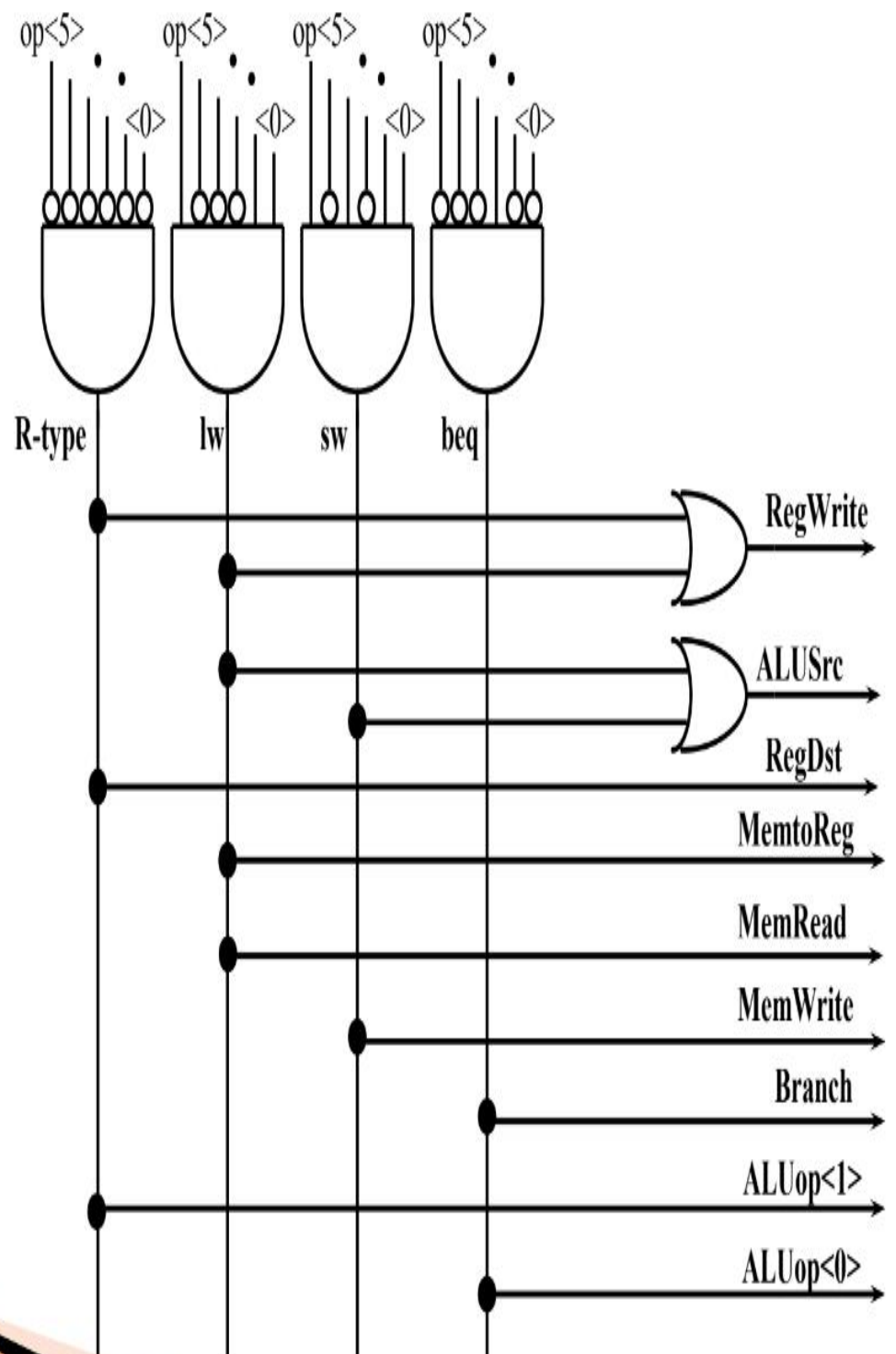
1. INSPIRED DATAPATH

Different View of Same Implementation (From Book)

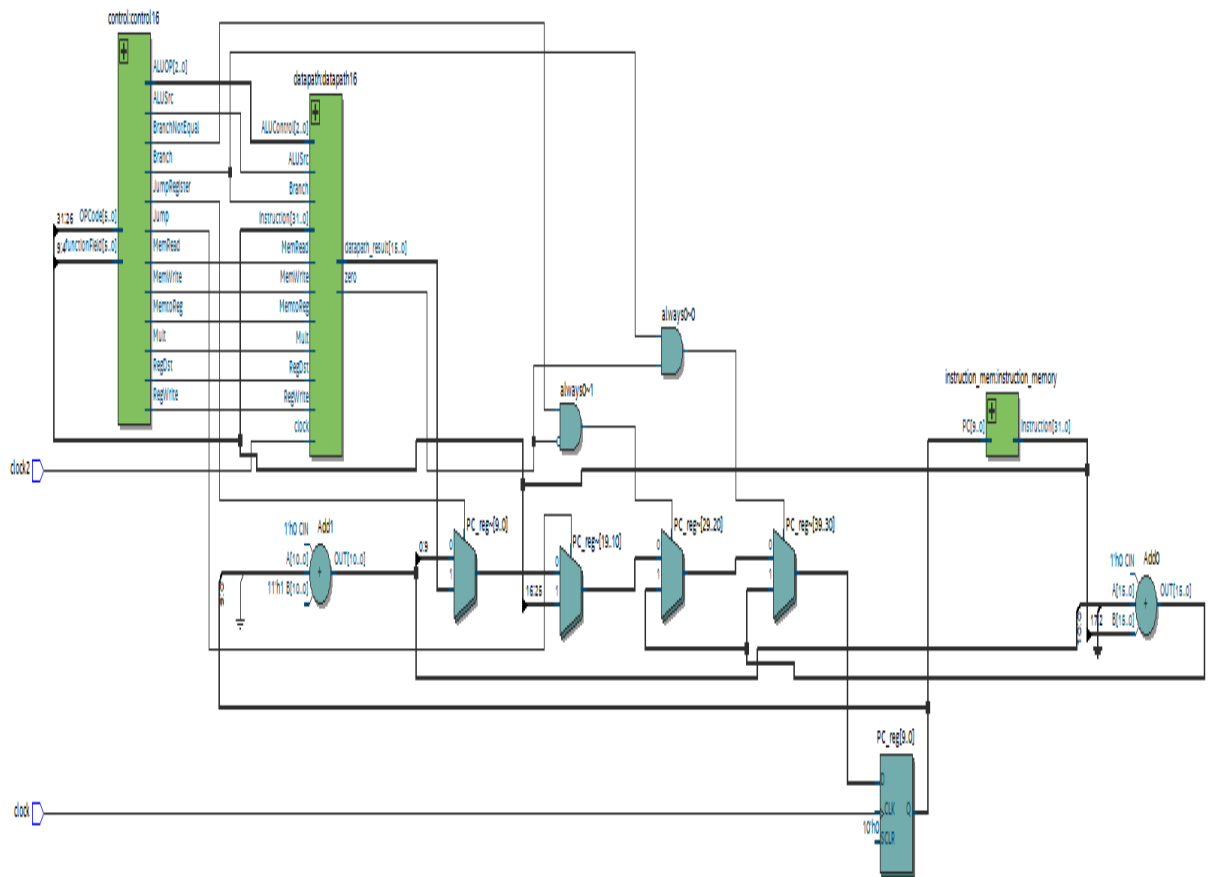


2. INSPIRED CONTROL UNIT

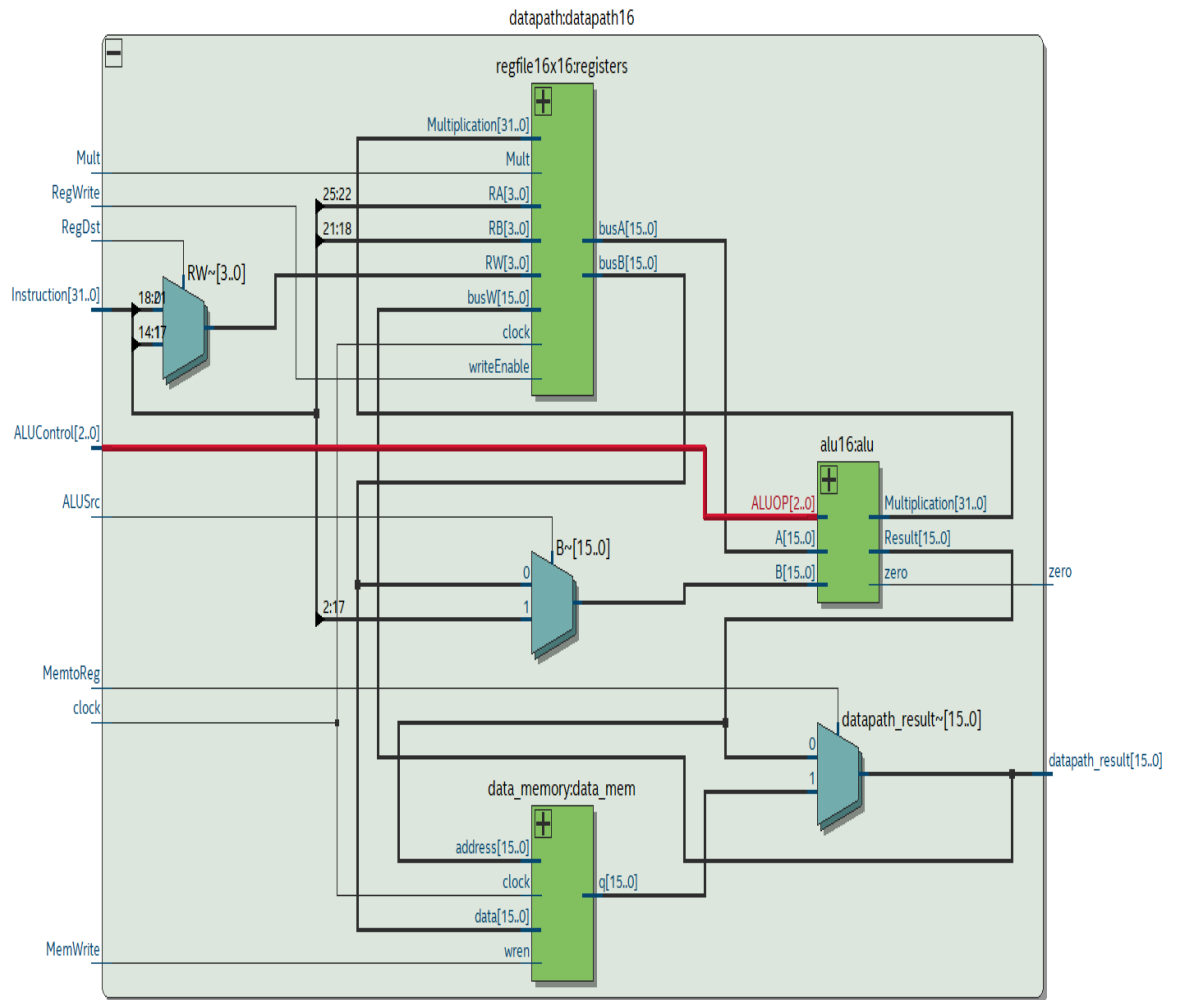
Implementation of the Main Control



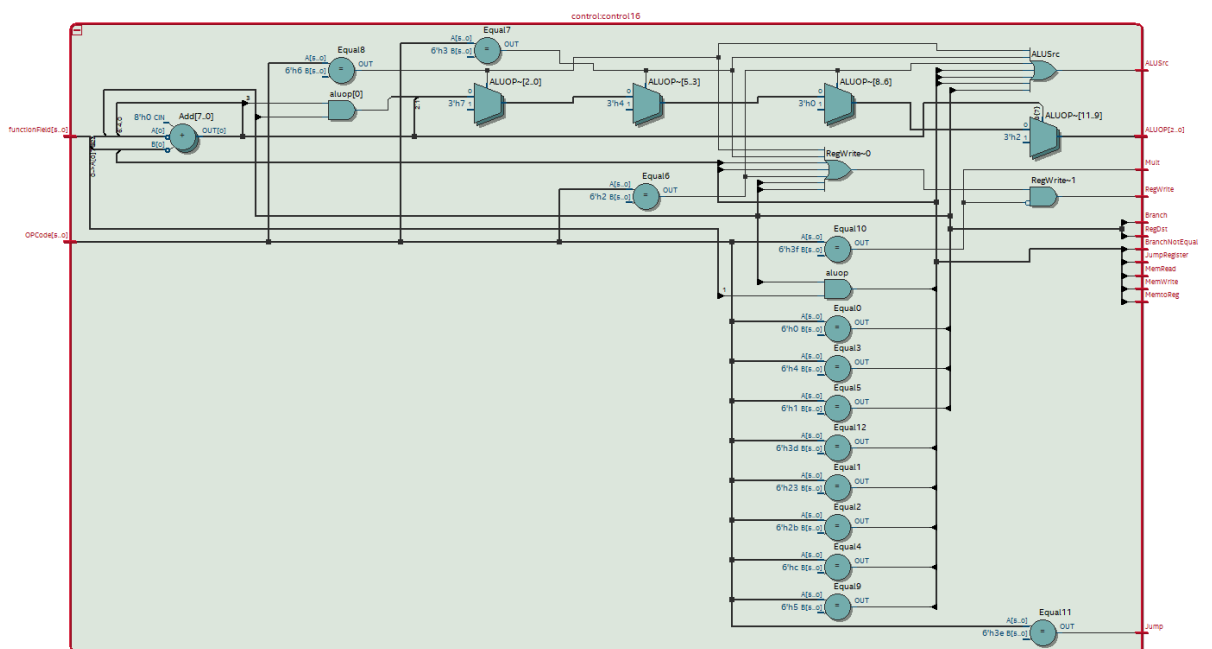
3. MIPS



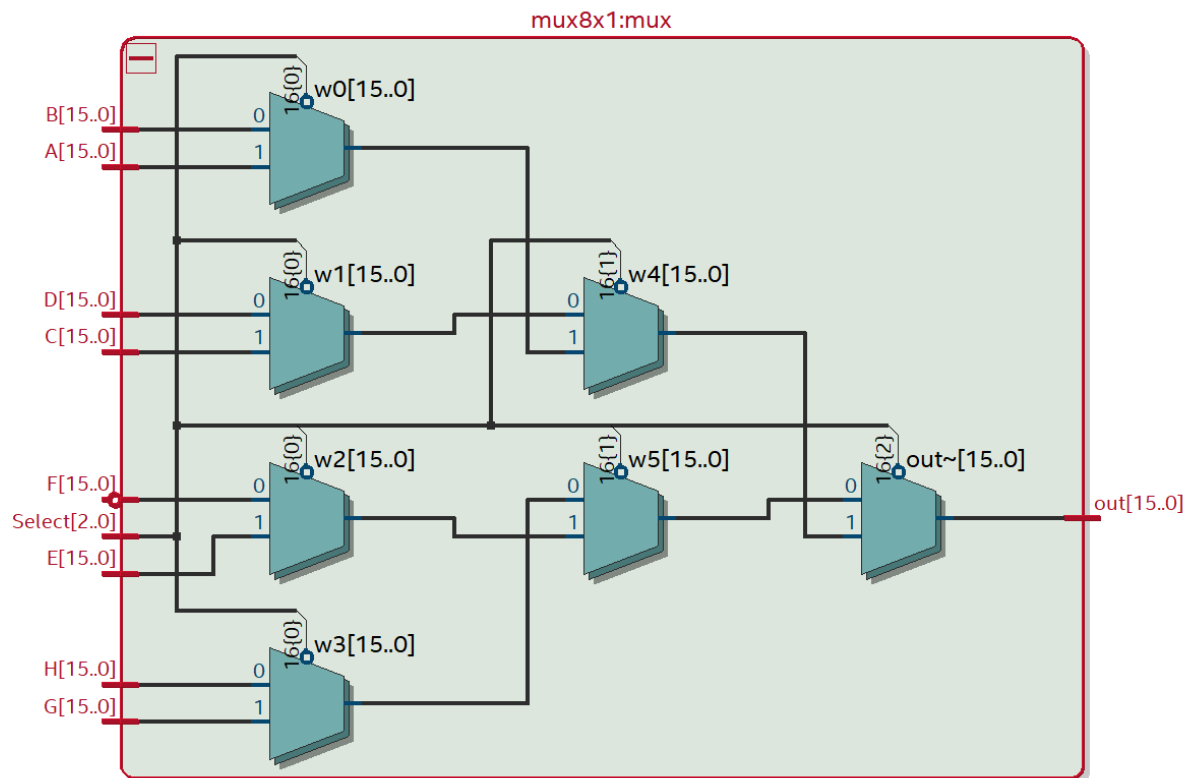
4. DATAPATH



5. CONTROL UNIT



6. MUX



7. INSTRUCTION MEMORY

