A data-sheet for your CPU, consisting of **at most 4 A4 pages**.

Overall Architecture of CPU

1. Summary of Architecture
2. Diagram of Architecture
3. Summary of Each Module (Talk about components, layman language,  highlight clever/important feature decisions)
   1. ALU
   2. Next\_Instruction
   3. Load Store
   4. RAM
   5. Registers
4. Area and Timing Summary for “Cyclone IV E ‘Auto’” Quartus

Testing Suite

1. General Approach for Testing
   1. Assembler
   2. Testbench Generated by Bash Scripts
   3. Set of Testbenches (Test many groups of instructions; do many (30-40) small tests, then one or two large testbench with >100 instructions)
2. Flow-chart describing testing flow/approach
3. Explain Testing Logic