

Term Project Milestone 2 Evaluation Team # 2-5 Points: 31/40

Evaluation Criteria Categories	Specific Criteria	Comments	Score
Consistency with higher level specifications	<ul style="list-style-type: none"> <input type="checkbox"/> Every instruction allowed by the machine language (ML) specification has a unique register transfer language (RTL) representation <input type="checkbox"/> The sequences of register transfers specified by each RTL description correctly implement the functions described in the assembly language (AL) specification <input type="checkbox"/> Every component referenced in the RTL descriptions is determined <input type="checkbox"/> For each component, input, output, and control signals that are sufficient to implement the RTL descriptions are identified, including the size of each signal 	<p>Every instruction is translated and appears to be done by its RTL.</p> <p>Every component that they remembered to actually have is listed and has signals. Control lengths are not given. -1</p>	(5/6)
Self-consistency	<ul style="list-style-type: none"> <input type="checkbox"/> The effect of each individual RTL statement is unambiguous <input type="checkbox"/> No state element is assigned more than one value in any given clock cycle 	<p>The RTL is clear and no state elements seem to be double assigned.</p>	(6/6)
Demonstration of design principles 1. Simplicity favors regularity 2. Smaller is faster 3. Good design demands good compromises 4. Make the common case fast	<ul style="list-style-type: none"> <input type="checkbox"/> Significant delays are balanced between cycles, so that the clock cycle can be as short as reasonably possible <input type="checkbox"/> Each instruction uses as few clock cycles as possible without extending the clock cycle <input type="checkbox"/> Each component is used efficiently at each clock cycle, and components are not duplicated unnecessarily 	<p>The delays seem to be balanced with minimized RTL length.</p> <p>The components are used well.</p>	(6/6)
Documentation (see below) <input type="checkbox"/> Organization <input type="checkbox"/> Completeness <input type="checkbox"/> Conciseness <input type="checkbox"/> Grammar and style	<ul style="list-style-type: none"> <input type="checkbox"/> Clear English specifications <ul style="list-style-type: none"> <input type="checkbox"/> The behavior of each component is described unambiguously <input type="checkbox"/> Documentation, as listed in the following page, demonstrates all the design issues discussed above 	<p>The journal could use dates, information to help me follow when things happened and to easily locate meeting relevant to the milestone I am grading. -1</p> <p>The memo is ok, less really, really cool would make it more professional.</p>	(9/16)

		The Design Document is missing, and the missing document has no table of contents. -6	
Milestone 1 updates	<ul style="list-style-type: none"><input type="checkbox"/> List of instructions described.<input type="checkbox"/> List of special purpose and general purpose registers.<input type="checkbox"/> Rules for machine language translation.<input type="checkbox"/> Sample programs in assembly and machine language.	Instructions still defined. Registers still defined, special purpose still lacking. -1. The rest is still there.	(5/6)

Required Documents

- Memo
 - Objective assessment of design and status
- Design Documentation
 - Demonstration of conceptual understanding
 - Highlights interesting features
- Design Process Journal
 - Alternatives considered
 - Tradeoffs
 - Decisions
- Website