Team Powerpuff report

CSS 422 - Vu Dinh and Alejandro Alfaro

**Date:** Nov 21 2014

**To:**  CSS 422, Fall 2014

**From:** Vu Dinh and Alejandro Alfaro

**Subject:**  Weekly team report #4

# Work Completed:

* Finished decoding <ea> for MOVE instruction.
* Finished acquiring key comparison values for <ea> of all opcodes. We’re going to use these values and MOVE’s decoding “code skeleton” to write the decoder for the rest of the opcodes’ <ea> within next week.
* Found a promising alternative to decode opcodes, i.e. chop the instruction word into 4-3-3-3-3 chunks of bits.
* Experimented with different ways to do the “chopping”; right now bit rotation/shifting are our best candidates.
* Drew a more detailed plan for decoding MOVE’s <ea> (see bottom for flowchart).

# Problems encountered:

* There have not been any unanticipated problems. This week has been mostly busy work.

# Work scheduled for next week:

* Decode <ea> for at least half the opcodes.
* Incrementally add support for more opcodes decoding.
* Continue to unit-test and integration-test our code.

**Self-evaluation:** The planning work is zooming along nicely. We’ve split up the work in halves and independently completing them. Given approximately 2 weeks left and us having only busy work left, I’d say we’re right on track.

# Detailed flowchart for decoding effective addresses

The full-sized image is submitted together with this docx file.

