Smartest - Initial Demo

Jenny

This is our project, Smartest. We are implementing pipelining, along with an emphasis on branch prediction. So far, we have implemented input, which uses the same structure as the labs except we have two input files (one for data, one for instruction). Our output is very simple. It covers the basic operations performed in each stage. We have the entire pipeline architecture completed, along with the instructions NOP, ADD, LOAD, and HALT. Our goal is to finish implementing the instruction set and to hook up our branch prediction table and the algorithm for it, called Two-Level Adaptive Predictor.

Grant

Talk about the table.

Talk about how the instruction set is very minimalistic.

Schedule

Wednesday, May 14th, Instruction Set - Mostly Jenny

Tuesday, May 20th, Branch Prediction - Mostly Grant