

CP1: Roadmap

Group Contributions

We will try to split up the smaller functionalities equally, arbiter and L1 caches, and try to work on the rest of the required functionality together. Given that both our caches for MP3 are not fully functional, we have to decide if we want to use the provided cache or try to fix our own. Incorporating the L1 caches should not be too difficult since our datapath design already planned for them. It is easy to have each component work well individually, but it may be more difficult to ensure that they all work together.

Required Functionalities

In the next checkpoint, we need to handle hazard detection and forwarding, a static-not-taken branch predictor for all control hazards, as well as integrating the L1 caches and arbiter into our design. We also need to think about any advanced features we want to include into our pipeline.