

Apex Instruction Set Architecture Simulator

(**apex-sim**)

Phase 1 Documentation

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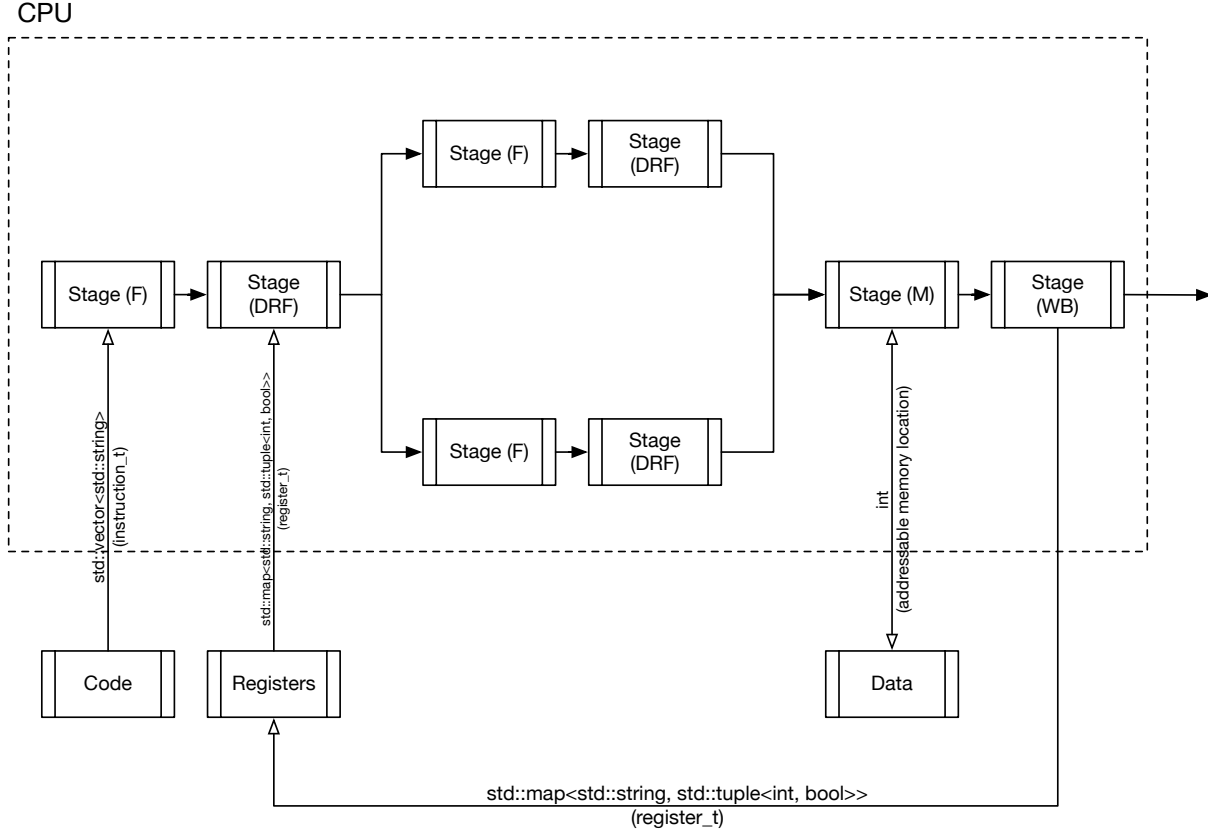


Figure 1: The APEX pipeline and class interactions.

1 Design

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1.1 Driver Program

1.2 Classes

Figure 1 shows class interactions and data flow between each of the stages and support classes.

1.2.1 Code

1.2.2 Data

1.2.3 Registers

1.2.4 CPU

2 Implementation

2.1 Stages

2.2 Stalls

2.3 Forwarding

3 Work Log

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