

Apex Instruction Set Architecture Simulator (**apex-sim**) Phase 1 Documentation

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Contents

1	Design	1
1.1	Driver Program	1
1.2	Classes	1
1.2.1	Code	1
1.2.2	Data	1
1.2.3	Registers	1
1.2.4	CPU	1
2	Implementation	1
2.1	Stages	1
2.2	Stalls	1
2.3	Forwarding	1
3	Work Log	1

List of Figures

1	The APEX pipeline and class interactions.	2
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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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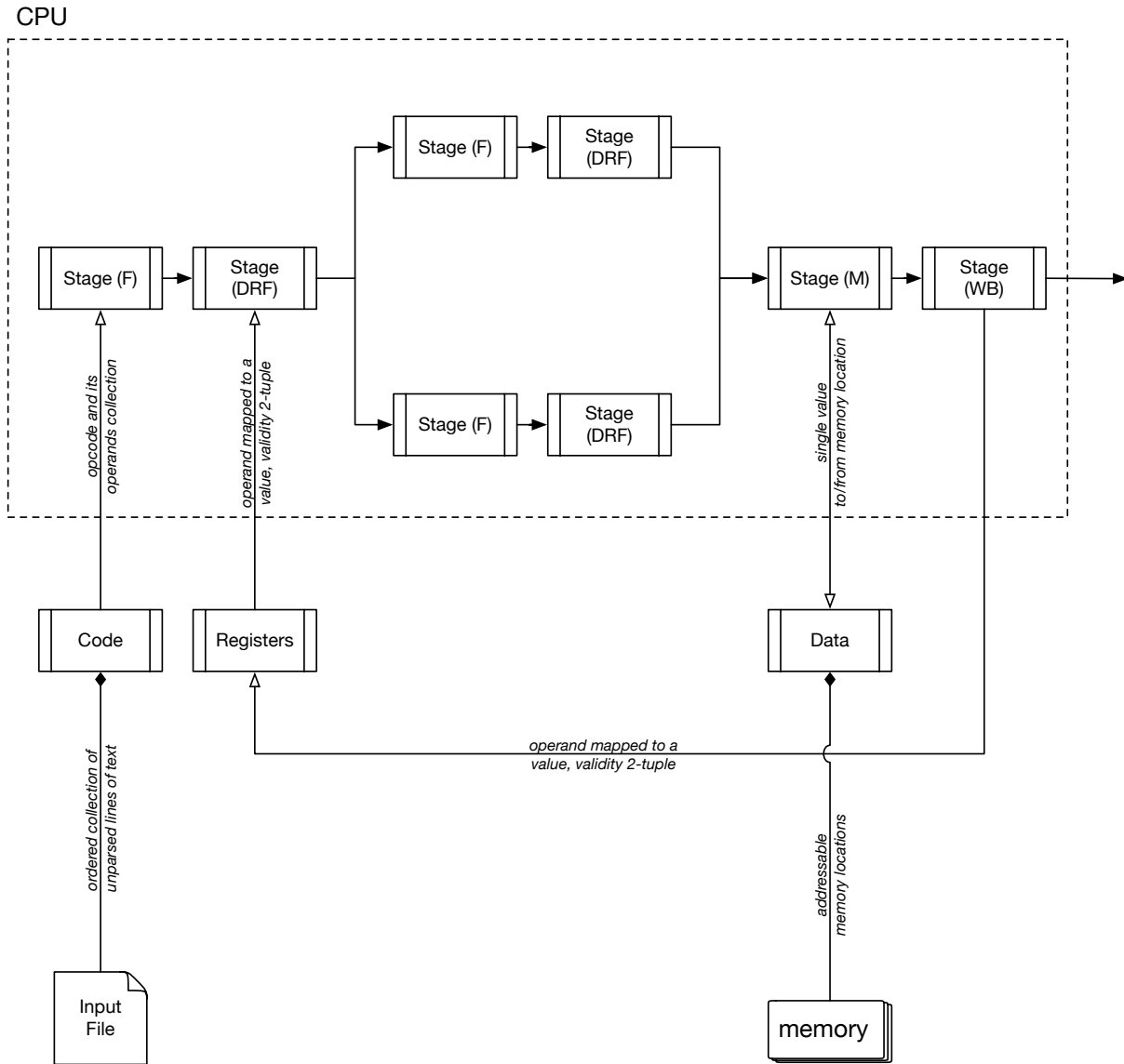


Figure 1: The APEX pipeline and class interactions.