

Group 1: Phase 8

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1 Repository Information

Below you will find our repository URL, hosted on GitHub, as well as the revision number and date of our final commit for this phase of the project.

URL	https://github.com/mertad01/vm252-project
Revision	13bb2ed04dcee7a9634da5a2a68afc682885c206
Date	2021-12-02T00:34:54Z

2 Progress Report

We used the thanksgiving break to primarily focus on cleanup, completing some command implementations, and implementing breakpoints.

Completing the requirements, we now display the current program counter as a highlighted yellow cell in the table. This way you can always visually see where you are at. This required overriding the `getTableCellRendererComponent` method of our table cell renderer to check if a cell matches the program counter. We also display a cell as red if it has a breakpoint.

Creating breakpoints was fairly simple. We added an array to our VirtualMachine252 which matches the size of the memory, called **breakpoints**. Then when the **programCounter** hits a cell with the same index as a **true** breakpoint in the array it stops. A flag is used to allow the next attempt at running an instruction to go past the breakpoint.

Some difficulties faced were related to the breakpoints. Currently we have users create breakpoints using a numeric input, but this is not ideal. We need to find a way to add breakpoints to a selected cell instead of manually entering. We don't yet have a solution but we plan on trying to find a way to have a button interact with the cell renderer in some way to be able to add a breakpoint.

3 Work Log

3.1 Michael Musa

Date	Hours Worked
11/29/21	01:30pm-04:00pm
11/30/21	10:30pm-11:30pm
Total:	3.5 hours

3.2 Adam Mertzenich

Date	Hours Worked
11/29/21	12:00pm-03:00pm
11/30/21	07:00pm-08:00pm
12/01/21	05:30pm-06:30pm
Total:	~5

3.3 Kritib Bhattarai

Date	Hours Worked
11/29/21	2pm-4pm
11/30/21	10am-1pm

Total:	5 hours
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