

Feature Number: 2

Feature Name: Virtual Machine

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Tester: Peter Giovi

Test Status: Complete

- **Virtual Machine Class**

- **GiveFilepath Test Suite:**

- i. **Pass a valid filename** - A valid filename is passed in. The test will pass if it successfully opens the file.
 - ii. **Pass an invalid filename** - An invalid filename is passed in. The test will pass if it does not open the file and tells the user that the file is invalid
 - iii. **Pass a file with valid instructions** - The instructions will be read in and stored. The test will pass if all instructions are read successfully.
 - iv. **Pass a file with invalid instructions** - The instructions will be read in, and bad instructions will generate an error . These invalid instructions will not be saved into the array. The test will pass if all invalid instructions generate errors.
 - v. **Pass a file with no instructions** - The file will be passed in. The test will pass if an error is returned.

- **GetInstruction Test Suite:**

- i. **Proper Instruction Output** - A set of instructions are read in. The test passes if output matches anticipated output.