Testing:

Due to the GUI elements of the project, we decided to use manual testing for the Brahma Project.

Test Case 1: Brahma starts up.

Brahma starts up with no errors or exceptions.

Test Case 2: Brahma loads Bouncing Ball, plugin and plugin 2.

The plugins Bouncing Ball, plugin, and plugin2 are the only plugin the application has loaded, as it is the only plugin in the plugin directory.

Test Case 3: Brahma runs Bouncing Ball plugin when it is selected.

The Bouncing Ball plugin runs correctly within Brahma.

Test Case 4: When the “Add” button is clicked, a file chooser pops up.

The add button opens a file browser to find another plugin.

Test Case 5: When the plugin “Personal Records” is selected, it is added to Brahma

When the file browser from case 4 is used to find and select the jar file associated with “Personal Records”, the plugin is added to the Brahma platform.

Test Case 6: The Personal Records plugin runs when selected.

The Personal Records plugin that was added in Case 5 runs when selected from the side list.

Test Case 7: Invalid files won’t be added.

Using the add button to select files which are not jar files causes the console to print an error message. The Brahma platform continues running normally.

Test Case 8: Invalid files won’t be loaded.

Files in the plugins folder that are not jar files will not be loaded by the PluginManager.

Test Case 9: Remove removes plugin from side list.

Using the remove button opens up an input dialog box which allows the user to enter the name of the plugin they wish to remove. When the input is confirmed, the plugin is removed from the side list.