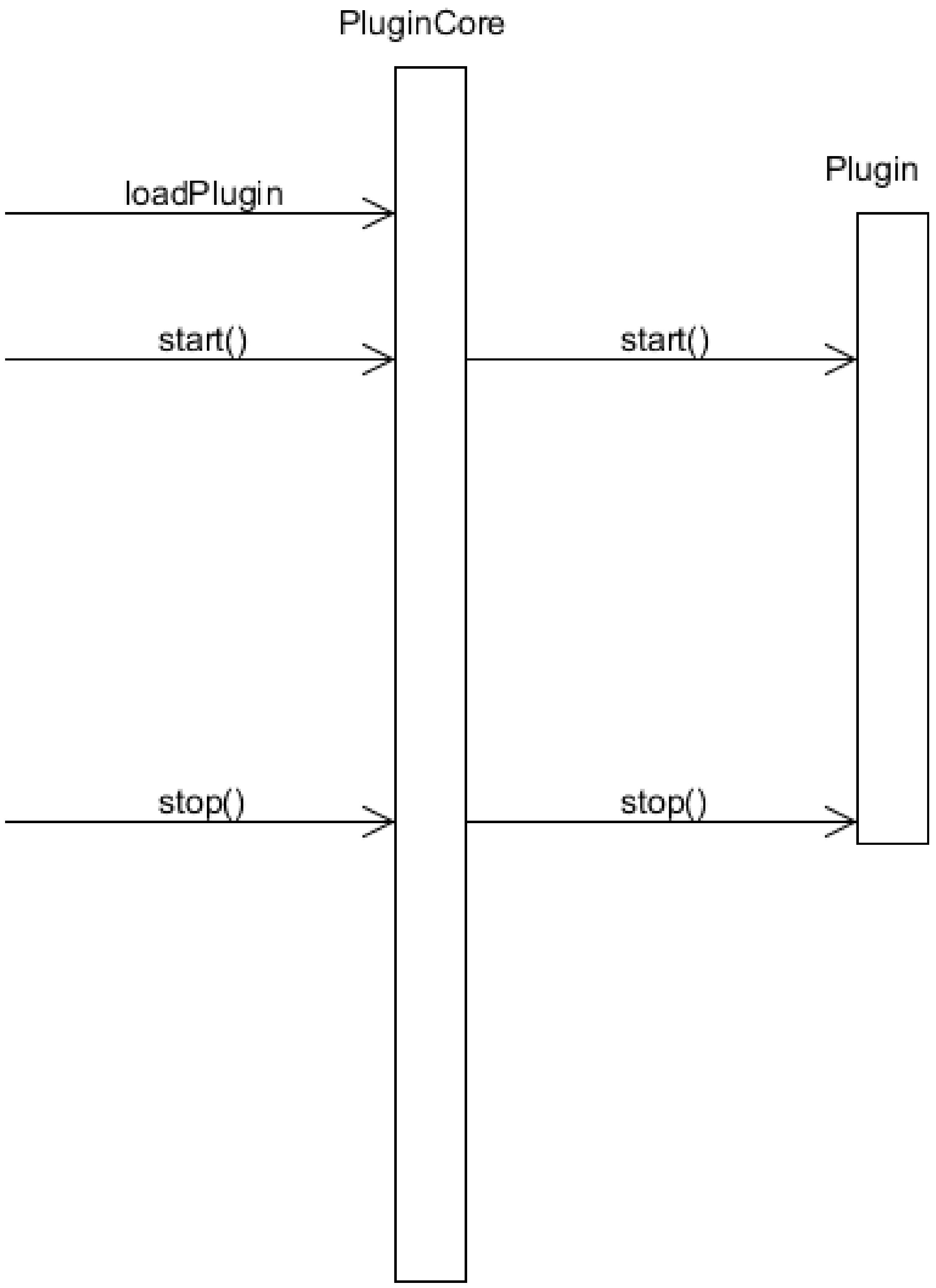
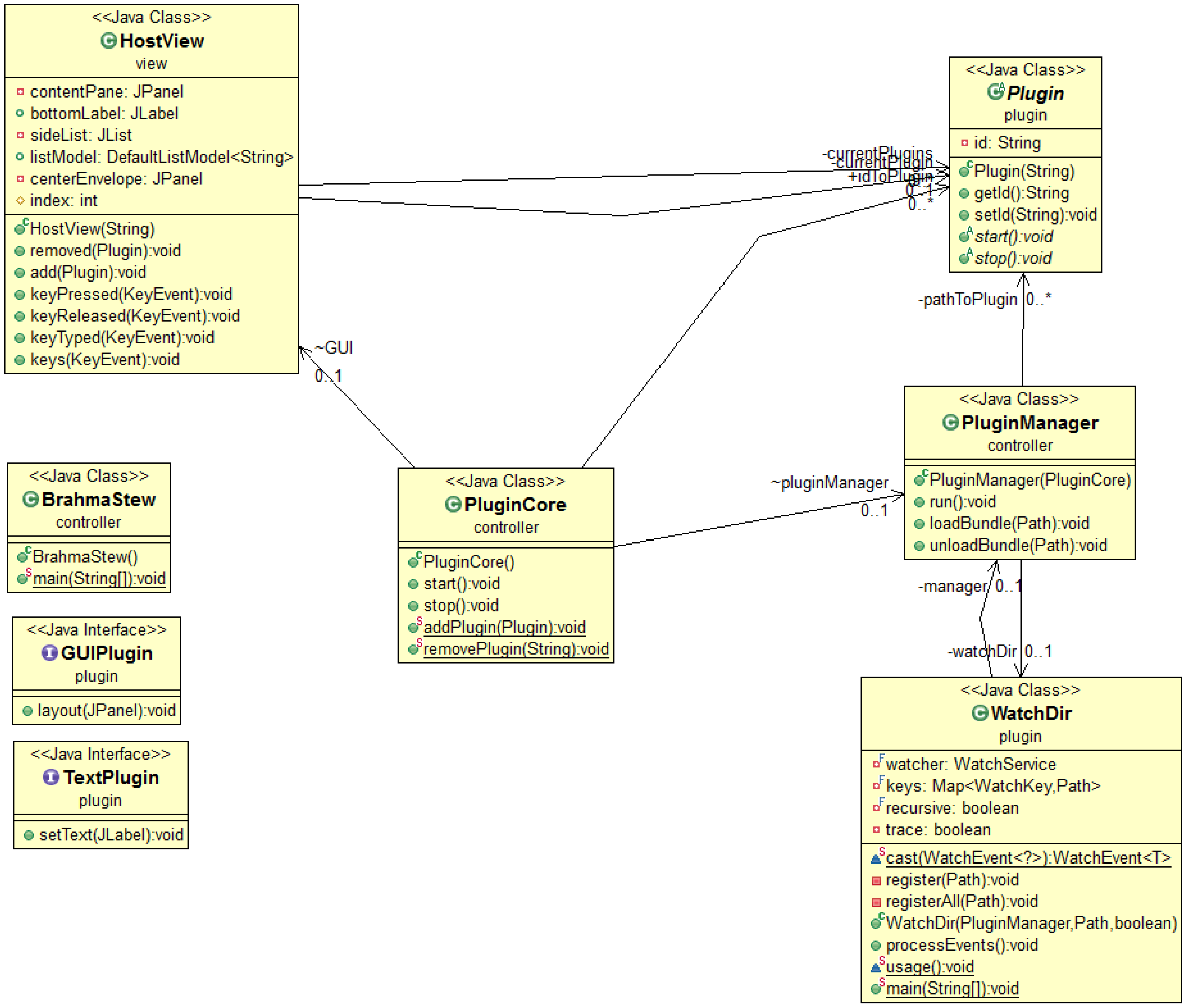
Brahma Stew Design Document

Richard Thai
Brandon Knight

Interaction Diagram



Dependency + Class Diagram



Test Specifications

JUnit Testing
Currently, a simple case exists that tests the model and ensures the ID is set.

Visual Testing
When a plug in is loaded, we expect the GUI to pronounce that “-plug in- has loaded”.
We expect if a plugin implements layout() that it will display in the center panel
We expect if a plugin implements setText() that it will put text in the bottomLabel
We expect if a plugin does not implement either method, that they will run in the background with a default bottomLabel of “This plugin is running.”

Work Allocation Table / Daily Scrums

It was decided early on that creating a work allocation table would be redundant if our 'daily' scrum meetings were being tracked. The work allocated would be the work completed.

21 September 2012

Reworked the module decomposition diagram, but the default manifest for the two extensions don't seem to work. We're going to try to fix this tomorrow because the error message is not particularly helpful. After fixing this issue, we'll be able to start to try reading the dependencies between plugins.

21 September 2012

Some progress on figuring out how to hook the plugin to the host application

20 September 2012

Work on class skeleton started

19 September 2012

Repository initialized on GitHub

24 October 2012

Worked on getting our project to load plug-ins that could utilize the bottom text label as an extension point.

26 September 2012

Worked on getting our project to be able to utilize plug-ins that have no visual or text layout methods. Just a plug-in that runs in the background.

2 October 2012

Our project can successfully run plug ins that either use text, layout, or neither!

3 October 2012

Created a sound plug in to test a plug in running in the background. Doesn't quite work but proof of concept.

5 October 2012

JUnit test case written to ensure model ID's are registering. Visual testing is used to verify the GUI. Final design document compiled.

Quality Attributes

This portion of the document lists the quality attributes supported by our project.

Extensibility: The application contains public extension points for other plugins to utilize. In addition, sample applications are also included as an example for other users.

Modifiability: The host application is split into a MVC architecture to make it easy to learn and change without affecting too much other code.

Testability: All of the interfaces that a plugin can affect is shown on the screen of the application. The Plugin model is a public interface that can be tested.

Usability: The application contains a limited amount of interfaces and no menus to click through.

Fault Tolerance: The host application is able to handle changes to the plugin directory as the application is running.