**Spreading of Fire Black Box Test Plan**

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**Document Author(s): Andrew Kofink, James Bruening**

**Introduction**

Provide a brief overview of your black box test plan. Describe how you would start your application.

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| **Test ID** | **Description/Preconditions** | **Expected Results** | **Actual Results** |
| testCatchFire() | tree is not burnt  tree is adjacent to a burning tree | Change state of cell from 1 to 2 based on a 55% probibility |  |
| testBurnOut() | tree has been burning for 1 time period | Change state from 2 to 0 after one time period has passed when the tree was burning |  |
| testGetState() | returns the state of the cell (burning, non-burning tree, or empty cell) | Integer 0-2 |  |
| testIsCenter() | returns true/false based on the coordinates of the cell as to whether it is in the center of the grid | true if (S5,S5); false otherwise |  |
| testIsBoundry() | tell whether the tree is on the outside border of the grid | true where (x,y) and x={0,10} and y={0,10} |  |
| testGetLocation() | returns a point of the cell's coordinates on the grid | Point (x,y) where x=(0..10) and y=(0..10) |  |
| testOnClick() | when a user clicks on a tree, the time will be incremented, and that tree will catch fire | gui will call catchFire, and the time will start incrementing until trees stop burning |  |

**Document Revision History**

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| **Date** | **Author** | **Change Description** |
| **9/15/2011** | Andrew, James | * First revision |