

# **Sprint #5 Plan**

**for the**

**Hotspotter Bug Prediction Software**

**CS 425 / CS 499 Senior Project**

**by**

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**Sprint #5 Plan**

**Revision 1.0**

**As Of: 12 November 2016**

**Goal: Checkout Multiple Repos**

**A user of Hotspotter will be able to check out multiple projects and view their "Hotspots"**



- Refactor server side checkout process (10 p-h)
- Refactor Database domain objects (2 p-h)
- Refactor file store process (3 p-h)
- Refactor file view page to include id (2 p-h)

**Goal: Research Scoring Algorithm**

**The team will have a base algorithm that efficiently scores for hotspots in a repo**



- Reading and understanding client provided sources (6 p-h)
- Research other scoring methods (SQUAL) (6 p-h)
- Document Findings (6 p-h)

**Goal: Store repo scores and meta data**

**The Hotspotter application will store the file view and scores of a given repo in the database and only update if the repo is updated**



- Create store function (10 p-h)
- Modify database to accommodate meta data (10 p-h)

**Goal: Research and POC of Testing of Framework**

Team wants all wants to find a testing framework that works best with their code practices



- Research testing frameworks (3.5 p-h)
- Implement basic proof of concept (3.5 p-h)

## Week 1

Tasks	Mon 01/11	Tues 01/12	Wed 01/13	Thurs 01/14	Fri 01/15	Sat 01/16	Sun 01/17	Work Remaining
<b>Checkout Multiple Repos</b>								15
• Dylan	0	5	0	5	0	0	0	5
<b>Research Scoring Algorithm</b>								18
• Dylan	0	0	2	0	3	0	0	6
• Nate	0	0	1	0	2	3	0	6
• Spencer	0	0	2	0	0	3	0	6
<b>Store repo scores and meta data</b>								20
• Nate	0	0	0	0	0	0	0	10
• Spencer	0	0	0	0	3	0	0	10
<b>Research and POC of Testing of Framework</b>								7
• Nate	0	0	0	0	0	0	0	3.5
• Spencer	0	0	2	0	0	0	0	3.5

## Week 2

Tasks	Mon 01/18	Tues 01/19	Wed 01/20	Thurs 01/21	Fri 01/22	Sat 01/23	Sun 01/24	Work Remaining
<b>Checkout Multiple Repos</b>								15
• Dylan	0	5	0	0	0	0	0	0
<b>Research Scoring Algorithm</b>								18
• Dylan	0	0	0	3	0	3	0	0
• Nate	0	0	0	0	0	0	0	6
• Spencer	1	0	0	0	0	0	0	6
<b>Store repo scores and meta data</b>								20
• Nate	0	5	0	0	2	3	0	10
• Spencer	0	0	3	2	2.5	0	0	10
<b>Research and POC of Testing of Framework</b>								7
• Nate	0	0	0	3.5	0	0	0	3.5
• Spencer	0	1.5	0	0	0	0	0	3.5
Total								60 (p-h)