**Sprint #5 Plan**

**for the**

**Hotspotter Bug Prediction Software**

**CS 425 / CS 499 Senior Project**

**by**

**Nathan Reinhardt**

**Spencer Smith**

**Dylan Williams**

**of**

**Team HotSpotter**

**Sprint #5 Plan**

**Revision 1.0**

**As Of: 12 November 2016**

* 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:** **Checkout Multiple Repos**

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

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

**Goal: Research Scoring Algorithm**

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

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

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

# 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** |
| **Checkout Multiple Repos** |  |  |  |  |  |  |  | 15 |
| * **Dylan** | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 5 |
| **Research Scoring Algorithm** |  |  |  |  |  |  |  | 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 |
| **Store repo scores and meta data** |  |  |  |  |  |  |  | 20 |
| * **Nate** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| * **Spencer** | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 10 |
| **Research and POC of Testing of Framework** |  |  |  |  |  |  |  | 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** |
| **Checkout Multiple Repos** |  |  |  |  |  |  |  | 15 |
| * **Dylan** | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Research Scoring Algorithm** |  |  |  |  |  |  |  | 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 |
| **Store repo scores and meta data** |  |  |  |  |  |  |  | 20 |
| * **Nate** | 0 | 5 | 0 | 0 | 2 | 3 | 0 | 10 |
| * **Spencer** | 0 | 0 | 3 | 2 | 2.5 | 0 | 0 | 10 |
| **Research and POC of Testing of Framework** |  |  |  |  |  |  |  | 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) |