**Risk Plan**

**for the**

**Hotspotter Bug Prediction Software**

**CS 425 / CS 499 Senior Project**

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**QUALITY-PLAN**

**Revision 1.0**

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**Change Log:**

|  |  |
| --- | --- |
| **Revision** | **Change Note(s)** |
| 1.0 | * Initial release |

# INTRODUCTION

This document is the risk plan for the Hotspotter Bug Prediction Software developed by Team HotSpotter.

Table I: Risk Analysis Chart

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No. | Risk Label | Description | Likelihood | Impact | Score | Mitigation Strategies |
| 1 | Software stack issues | The software stack does not provide proper functionality to implement system. Software interface may change over time. |  |  |  |  |
| 2 | Inefficient metrics | Some metrics be a waste of time to research. |  |  |  | Eliminate poor metrics early. |
| 3 | Storing repo in database | The repository must be pulled from the git url and translated into a portable format for database storage. The format makes it difficult to apply hotspot metrics. |  |  |  |  |
| 4 | Graphics library problems | The graphic’s library used to display the repository visualization is inadequate or proves difficult to use. |  |  |  |  |
| 5 | Browser compatibility issues | The web interface breaks down in some browsers. |  |  |  | Use standard functions supported by all browsers. |
| 6 | Repository size | The Repository is so large it won’t completely fit in memory when running metrics analysis. |  |  |  | Build the scanner to be flexible and handle chunks of the repository. |
| 7 | New software | The software stack is new to most members on the team which may cause errors due lack of experience. |  |  |  | Design and teaching session with team members |
| 8 | No server | No server is available to test and deploy the system. |  |  |  | Test locally and build virtual machine for depolyment |
| 9 |  |  |  |  |  |  |