Risk Plan

for the

Hotspotter Bug Prediction Software

CS 425 / CS 499 Senior Project

by

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RISK-PLAN

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Change Log:

Revision	Change Note(s)
1.0	• Initial release

1   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	8	16	Push scanning algorithm to external batch job.
2	Inefficient metrics	Some metrics may be a waste of time to research.	4	3	12	Eliminate poor metrics early.
3	Storing metadata in database	The repository must be pulled from the git url and translated into a portable format for database storage.	6	1	6	Establish standard translation early.
4	Graphics library problems	The graphic's library used to display the repository visualization is inadequate or proves difficult to use.	5	6	30	Switch to different graphics library for next sprint.
5	Browser compatibility issues	The web interface breaks down in some browsers.	2	2	4	Use standard functions supported by required browsers.
6	Repository size	The Repository is so large it won't completely fit in memory when running metrics analysis.	3	2	6	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.	9	5	45	Design and teaching session with team members
8	No server	No server is available to test and deploy the system.	1	5	5	Test locally and build virtual machine for deployment
Note: Likelihood and Impact ratings are on a scale of 1 (Low) to 10 (High). The score is the product of the Likelihood and Impact.						