**Risk Document**

**for the**

**SIUE Department of Computer Science**

**CS425 / CS499 Senior Project**

**Software Design and Implementation Courses**

**by**

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**of**

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**Learning Outcomes-Based Assessment Database Team**

Revision 1.3

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LOBA-PP-RISK

Change Log:

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| Revision | Change Note(s) |
| 1.0 | * Initial Release |
| 1.1 | * Updated Risks |
| 1.2 | * Updated Risks |
| 1.3 | * Updated Risks |

Reviewed and Approved By:

Name Signature Date

1. **Risk Evaluation**

Below is the risk evaluation, which includes a summary potential risks and visual aids to assist in detecting when there is high risk.

* 1. Risk Table

The risk table defines a risk and is rated off of two indicators. First, the likelihood the risk will occur on a zero to five scale (zero meaning impossible and five meaning very likely). Second, the impact the risk will have if it does occur is given. This score is also on a zero to five scale (zero meaning no impact whatsoever and five meaning an overabundant negative impact). These two scores are multiplied together to give the Risk score. The legend below indicates how sever the risk being dealt with is. Finally the contingency plan is a brief summary of a backup plan in the case the risk occurs.





* 1. Contingency Plan

The following contingency plans have been entered by number in accordance to the risk number listed on the risk table above. These will represent the course of action to be taken if the event the risk describes occurs.

1. Difficulty making the software multi-platform - In the event that we cross platform problems become an issue that cannot be fixed without delaying development substantially then the team will have to reevaluate the Operating System(s) that take precedence for the software.
2. Failure to meet the specified performance - In the case that the team does not complete the software in the allotted amount of time then the team must document what needs to be finished for future team(s) to fix.
3. Technical difficulties in implementing the software can all cause delay - Issues with integrating the installation suite may cause issues. While doing the build the team has assigned an team expert to learn about builds and how to set up installation suites in each operating system.
4. Changes in customer’s needs - If the client has a change in requirements then the team will meet with the client and reassess the changes.
   1. Risk Cube Indicator

The risk cube indicator is a visual aide that can assist understanding the level of risk a given project is at. The main things to look for in the risk cube indicator is the size of the cube and the color of the cube. Ideally the cube should be small and yellow to white colors. However, as the cube grows bigger and more red starts to appear this can indicate that the risk is becoming higher.

