Jag Track
Risk List

Version 1.0

Revision History

Date	Version	Description	Author
06/Mar/12	1.0	Create risk list	Shanna Keith
09/Mar/12	1.0	Added risks to risk list	Shanna Keith
22/Mar/12	1.0	Started revising risk list	Shanna Keith
31/Mar/12	1.0	Continued revising risk list	Shanna Keith

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Risk List

Introduction

This list was created to find and identify the risk that could affect the Jag Track project. The risk will also include possible plan to help identify when they show and how to avoid or solve the risk. Risk will be rank on a scale from one to ten, with one be a low risk and ten being a high risk.

Purpose

To identify any risk in the Jag Track project.

Scope

Risk List is associated with the Jag Track project. This list affected the Project Overview of the Jag Track system. This list influences and linked with Risk Management.

Definitions, Acronyms, and Abbreviations

Risk Magnitude or Ranking – ranks risk on a scale from one to ten.

1 – Low risk, not likely to do much harm to project or goals.

10- High risk, likely to do harm to project or goals.

 # - Id number of risk

Description – describes the risk.

Impact- how risk can affect project.

Indicator - How to monitor and detect risk when it appears.

Mitigation Strategy- what is currently being done about risk to reduce impact?

Contingency Plan- how risk will be handle if it appears

Technology – describes technology risk to project

People- describes the people can have on project

Organization – organization risk to project

Tools – tool risk to project

Requirement – requirement risk to project

Estimation – risk that effect estimation

References

Overview

This document will include the types of risks that could affect the project, the amount of damage the risk poses, what the risk can affect, how to monitor the risk, strategy to handle risk, and what to do if the risk occurs

Risks

Technology - 1

Risk Magnitude or Ranking

> 5

Description

> The server available for the project may not be capable of handling enough request for reading and writing data.

Impacts

> Server could become slow and unresponsive if too many customers try to access the server. User may get incorrect information if the server cannot keep up changing input.

Indicators

> System becomes slow when access by too many users.

Mitigation Strategy

> We are currently investigating server technology that can guarantee the performance that is need for this system.

Contingency Plan

> Server deliver best average information that is based on past data until the server problem is fixed.

Technology - 2

Risk Magnitude or Ranking

> 4

Description

> Application size may be too large for user to download.

Impacts

> Product

Indicators

> Number of downloads for the application

Mitigation Strategy

> The system architecture is being design with a mobile application in mind, so is in consideration.

Contingency Plan

> Consider changing the architecture to keep the mobile application at a reasonable size.

Technology - 3

Risk Magnitude or Ranking

> 5

Description

> The Android hardware used for testing may fail at critical times during the project.

Impacts

> Project - Project scheduling

Indicators

> There could be hardware problems such as screen breakage or button malfunctions. Also software

corruption issues could be a problem.

Mitigation Strategy

Currently, we are making use of Android simulators to reduce the affect of this risk.

Contingency Plan

In the event of hardware failure, the team could locate a different device from a student while a replacement is being found. Android simulation software may also be used instead of actual hardware.

People - 1

Risk Magnitude or Ranking

5

Description

The all member of the staff may not be familiar with the specific tools needed to design the Android application or other system components.

Impacts

Project – affect scheduling
Product – the quality of the software

Indicators

Code takes too long to develop.
Android application and /or other system components do not meet efficiency or reliability requirement

Mitigation Strategy

Prototyping development and working code development is being done by individuals woth some experience with the technology.

Contingency Plan

Set up wiki pages and links to github that contains tutorials that cover the necessary skills for development.

People - 2

Risk Magnitude or Ranking

5

Description

Staff maybe busy with other school work during design process

Impacts

Project – affect scheduling
Product = affect quality of the software

Indicators

Artifacts and working code are not delivered in a timely manner.

Mitigation Strategy

The work has to be divided amongst many different staff members so that each member does not have to do too much work.

Contingency Plan

Make due date known ahead of time, to allow staff members to work around their class work.

Organization - 1

Risk Magnitude or Ranking

> 6

Description

> Group communication begins to lack as semester gets busier.

Impacts

> Project – scheduling is affected
> Product – impact the quality of the software

Indicators

> Missed due dates and incomplete work is turn in.

Mitigation Strategy

> Group is currently using github and email to relay due date and goal.

Contingency Plan

> Group having more group meetings.
> Clarifying usage of communication tools in case staff do not jnow how to use them properly.

Tools - 1

Risk Magnitude or Ranking

> 4

Description

> Plugins/SDK are required for Android development may be difficult to install and configure

Impacts

> Project – impact schedule

Indicators

> Staff members do not contribute to code development because they do not have necessary tools.

Mitigation Strategy

> We will have setup instructions for the tools posted on github.

Contingency Plan

> Knowledgeable team members will help any staff member that is unable to install the tools.

Requirements - 1

Risk Magnitude or Ranking

> 4

Description

> The JagTran management may not fully specify what they want from the system, causing requirements to change in the middle of the project.

Impacts

> Project – affect schedule

Indicators

> JagTrak management makes request for new functionality in the middle of the project.

Mitigation Strategy

> By using an iterative development process, the JagTrack team is prepared to handle changing requirements

Contingency Plan

> The new requirements will be propagated throughout the use case model, supplementary spec, etc. and be incorporated in a timely manner depending on the importance of the functionality to the customer.

Estimation - 1

Risk Magnitude or Ranking

> 4

Description

> The time required to complete the project is underestimated since most of the staff involved will be leaning new skills

Impacts

> Business, Project, Product

Indicators

> The quality of artifacts and working code at each release is lacking.

Mitigation Strategy

> The work has been divided amongst many different staff members so that each member doesn't have to do too much work. Github contains links to tutorials, and decreases the amount of the overhead for mundane task as configuration management and version control.

Contingency Plan

> If not enough work is getting done, work may be redistributed.