
Jag Track Risk List

Version 1.1

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Revision History

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<06/Mar/12>	<1.0>	Create risk list	Shanna Keith
<09/Mar/12>	<1.0>	Added risks to risk list	Shanna Keith
<18/Mar/12>	<1.1>	Changed organization of list Deleted Risk 1 Added risks	Adam Moore

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Risk List

1. 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.

1.1 Purpose

To identify any risk in the Jag Track project.

1.2 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.

1.3 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.

Risk # - risk currently does not have a name.

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

1.4 References

1.5 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

2. Risks

2.1 Technology - 1

2.1.1 Risk Magnitude or Ranking

5

2.1.2 Description

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

2.1.3 Impacts

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

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2.1.4 *Indicators*

System becomes slow when access by too many users

2.1.5 *Mitigation Strategy*

We are investigating server technology that guarantees the performance required

2.1.6 *Contingency Plan*

We would deliver best average information based on past data until the server problem is fixed

2.2 **Technology - 2**

2.2.1 *Risk Magnitude or Ranking*

4

2.2.2 *Description*

Application size may be too large for a user to download

2.2.3 *Impacts*

Product

2.2.4 *Indicators*

Numbers of downloads for the application.

2.2.5 *Mitigation Strategy*

The system architecture is being designed with a mobile application in mind, so size is a consideration

2.2.6 *Contingency Plan*

Consider changing the architecture to keep the mobile application component a reasonable size

2.3 **Technology - 3**

2.3.1 *Risk Magnitude or Ranking*

5

2.3.2 *Description*

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

2.3.3 *Impacts*

Project – affects project scheduling

2.3.4 *Indicators*

There could be hardware problems such as screen breakage or button malfunctions. There may also be software corruption issues.

2.3.5 *Mitigation Strategy*

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

2.3.6 *Contingency Plan*

In the event of a 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.

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2.4 People - 1

2.4.1 Risk Magnitude or Ranking

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2.4.2 Description

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

2.4.3 Impacts

Project – may impact scheduling

Product - may impact the quality of the software

2.4.4 Indicators

Working code takes too long to develop.

Android application or other system components do not meet efficiency or reliability requirements.

2.4.5 Mitigation Strategy

Prototype development and working code development is being done by individuals with some experience with the technology

2.4.6 Contingency Plan

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

2.5 People - 2

2.5.1 Risk Magnitude or Ranking

5

2.5.2 Description

Staff may be too busy with other school work during the design process

2.5.3 Impacts

Project – may impact scheduling

Product - may impact the quality of the software

2.5.4 Indicators

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

2.5.5 Mitigation Strategy

The work has been divided amongst many different staff members so that each member doesn't have to do too much work

2.5.6 Contingency Plan

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

2.6 Organizational - 1

2.6.1 Risk Magnitude or Ranking

6

2.6.2 Description

Group communication lacks as semester gets busier.

2.6.3 Impacts

Project – may impact scheduling

Product - may impact the quality of the software

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2.6.4 *Indicators*

Missed due dates

2.6.5 *Mitigation Strategy*

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

2.6.6 *Contingency Plan*

Have more group meetings.

Clarify usage of communication tools in case staff do not know how to use them properly

2.7 **Tools - 1**

2.7.1 *Risk Magnitude or Ranking*

4

2.7.2 *Description*

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

2.7.3 *Impacts*

Project – may impact schedule

2.7.4 *Indicators*

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

2.7.5 *Mitigation Strategy*

We will have setup instructions for the tools posted on github

2.7.6 *Contingency Plan*

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

2.8 **Requirements - 1**

2.8.1 *Risk Magnitude or Ranking*

4

2.8.2 *Description*

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

2.8.3 *Impacts*

Project – may impact schedule

2.8.4 *Indicators*

JagTran management makes request for new functionality in the middle of the project

2.8.5 *Mitigation Strategy*

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

2.8.6 *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

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2.9 Estimation - 1

2.9.1 Risk Magnitude or Ranking

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2.9.2 Description

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

2.9.3 Impacts

Business, Product, Project

2.9.4 Indicators

The quality of artifacts/working code at each release is lacking

2.9.5 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 do decrease the amount of overhead for mundane tasks such as configuration management and version control

2.9.6 Contingency Plan

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