



RISK ASSESSMENT

8/23/2013

Graduate Capstone





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1 Introduction

The purpose of this document is to give a tutorial and walkthrough on how to navigate and use the Receipt Reward Application.

1.1 Intended Audience

This document is intended for any persons who wish to utilize the Phone Application and gain a better understanding of how the screens work. This document is written for people with any degree of familiarity with the application.

1.2 References

No references were used.

1.3 Revision History

Name	Date	Reason For Change	Version
Andy Bottom	08/13/2013	Created the introduction and parts of the document.	0.1
Andy Bottom	08/20/2013	Finished the risk assessment.	1.0





2 Risk Forms

Below is a list of the risks that are involved with this project. The risks are in no particular order besides the date that they were logged.

For more information about what the risks are, please see the Risk Management Plan document for more information about the risks.



2.1 Design Complexity

Information

Risk ID	RISK-01
Risk Name	Design Complexity
Category	TECHNICAL
Score	

Risk Owner	Andy Bottom
Date Submitted	04/29/2013

Risk Summary

May cause the system to be hard to maintain and make improvements for future iterations

Risk Specifics

Likelihood	Remote
Impact	Moderate
Response	Mitigation

Response Plan:

The plan is to document thoroughly the structure of the system.

Risk Review

Review Name	Andy Bottom
Date of Review	04/29/2013
Revised Impact	Mitigation

Review Summary

The plan is to document thoroughly the structure of the system.



2.2 Automation Work Load

Information

Risk ID	RISK-02
Risk Name	Automation Work Load
Category	OPERATIOAL
Score	MEDIUM-HIGH

Risk Owner	Andy Bottom
Date Submitted	05/04/2013

Risk Summary

The amount of load on the automation server may cause it to be bogged down and show very long waits and slow response times.

Risk Specifics

Likelihood	4
Impact	8
Response	Mitigation

Response Plan:

The plan to mitigate the risk is to either optimize the automation to be very fast. Or the more plausible plan is to add additional automation servers to split up the load per server and thus have faster responses.

Risk Review

Review Name	
Date of Review	
Revised Impact	

Review Summary



2.3 Time Management

Information

Risk ID	RISK-03
Risk Name	Time Management
Category	Schedule
Score	LOW-MEDIUM

Risk Owner	Andy Bottom
Date Submitted	04/016/2013

Risk Summary

Basically this is identifying that my schedule can get very busy a times with balancing internship work and family, so my time as a resource could be a potential risk.

Risk Specifics

Likelihood	2
Impact	8
Response	ACCEPTANCE

Response Plan:

This is something that cannot be prevented, thus the only action is to accept that this may occur. To reduce the impact, working to keep ahead of schedule can help with the impact.

Risk Review

Review Name	
Date of Review	
Revised Impact	

Review Summary



2.4 Development Team Diversity

Information

Risk ID	RISK-04
Risk Name	Development Team Diversity
Category	OPERATIONAL
Score	6

Risk Owner	Andy Bottom
Date Submitted	05/07/2013

Risk Summary

Essential, this risk is identifying that since I am the only resource that is involved with this project, that it may be a risk that there is not other point of view or opinion involved with design choices.

Risk Specifics

Likelihood	5
Impact	4
Response	ACCEPTANCE

Response Plan:

There is nothing that I can do about being the only one involved with the project. To lessen the impact, I will constantly run my ideas by with fellow classmates, co-workers, friends and professors to get outside opinion and advice involved with the project.

Risk Review

Review Name	
Date of Review	
Revised Impact	

Review Summary



2.5 Code Readability

Information

Risk ID	RISK-05
Risk Name	Code Readability
Category	TECHNICAL
Score	7

Risk Owner	Andy Bottom
Date Submitted	05/07/2013

Risk Summary

Essentially, there is always a risk involved with iterative development that the code can get very messy and hard to maintain

Risk Specifics

Likelihood	2
Impact	8
Response	Mitigation

Response Plan:

I created a document specifying the code design specifications. Also, a need for the developers to have a discipline to keep code clean and add comments when necessary is vital.

Risk Review

Review Name	
Date of Review	
Revised Impact	

Review Summary



2.6 Late User Prototyping

Information

Risk ID	RISK-06
Risk Name	Late User Prototyping
Category	OPERATIONAL
Score	7

Risk Owner	Andy Bottom
Date Submitted	04/29/2013

Risk Summary

Because I will be doing a bottom-up approach to the development, one of the major disadvantages is that the phone application and the User Experience aspect won't be developed to the very end. This is a risk because I will have limited time to perform User Acceptance Testing and also may not have time to Clean up, fine-tune or fix small bugs on the phone side of things

Risk Specifics

Likelihood	8
Impact	4
Response	Acceptance

Response Plan:

This is just the nature of the beast. Try to start some form of phone prototyping earlier so that integration on that end will be somewhat easier than starting from scratch late in the game.

Risk Review

Review Name	Andy Bottom
Date of Review	08/15/2013
Revised Impact	

Review Summary

As expected, this is what happened. I did start earlier on initial phone development. But did run out of time to tidy-up and make a very clean Phone UX. Something that will need to be improved upon.



3 Risk Table

ID	Category	Likelihood	Impact	Response
RISK-01	TECHNICAL	REMOTE	MODERATE	MITIGATE
RISK-02	OPERATIONAL	4	8	MITIGATE
RISK-03	SCHEDULE	2	8	ACCEPTANCE
RISK-04	OPERATIONAL	5	4	ACCEPTANCE
RISK-05	TECHNICAL	2	8	MITIGATE
RISK-06	OPERATIONAL	4	2	ACCEPTANCE

