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| CPSC 2720 Spring 2018 |
| BBG Adventure |
| Team Big Boys  Letter: G |
|  |
| **Gideon Richter – Justin Creig – Jesse Huss** |
| 16/02/2018 |

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# Revision History

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| --- | --- | --- |
| **Revision Date** | **Changes Made** | **Name** |
| 2/10/2018 | Added title page and logo | Gideon Richter |
| 2/11/2018 | Added   * Introduction * Team Organization | Gideon Richter |

# Introduction

BBG Adventure is a text based adventure game developed as part of a group project for the course Practical Software Development & Design at the University of Lethbridge. The project has three major sections – Design, Implementation, and Testing. The members of the Big Boy team are: Gideon Richter, Jesse Husse, and Justin Creig.

The adventure plot revolves around a lost father, who, in search of directions approaches an abandoned manor house – only to never return. It is the Hero’s quest to enter the house and find out what happened.

Upon entering the house, the Hero discovers a mad scientist who has transformed the father into a duck with his Electro-object-polymorphizer. Unfortunately, after duck-ifying the father, the machine blew up and parts were sent flying throughout the grounds. Too busy with his other mad-scientist obligations, the Hero is enlisted to search for the three missing parts and return them.

In their search of the house, the Hero encounters rats, ghouls, and school of piranhas while traversing a dark, scary, dark-scary cellar, a spooky gravesite, and manor grounds.

Of course, not every adventurer will return from their adventure – be warned, there are many ways to die in this adventure, or end up locked in the house forever.

But let’s not dwell on failure, there are many ways to succeed! The Hero is provided with a save/load system that allows them pick up where they left off, or travel through time after coming to an untimely end. Furthermore, an in-game action manual provides the hero with all necessary (or unnecessary) text actions that the game can parse.

This document serves as an overview of the design process of the game thus far. The topics include:

* Project Management: Team Organization, productivity, and risk management
* Development Process: Code review and conventions, issue tracking, and team communication
* Software Design: UML class/sequence diagrams, use cases, design principles and patterns

# Project Management

Provide a description of and address any foreseeable problems. TODO: Intro: Summarize contents of sections subsections.

## Team Organization

A close up of a logo

Description generated with very high confidenceThe Big Boys team will be organized as a democratic or open structured team, where all members will have the same opportunity to dictate and participate in team activities.

Figure 1: Example democratic team structure

The team members will have the following roles:

* Team Lead: Gideon Richter; organize and keep everything on track
* Design Lead: Justin Creig; ensure adherence to good object-oriented design
* Quality Assurance Lead: Jesse Husse; ensures implementation of design specifications

Furthermore, all team members will fill the role of Software Developer and Software Tester, while contributing to project documentation.

## Risk Management

# Development Process

## Coding Conventions

## Code review

## team communication

# Software Design

## Design

## Design Rationale

# Appendices

## Appendix A