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| University of Louisiana at Lafayette |
| Project Management |
| UL Housing Assignment – CMPS453 |

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| Brandin Jefferson, Issa Samake, Zach Danjean, Brian Okoye, Yee Wong, Jaquincy Nelson  Dr. Ashok Kumar |

# Abstract

The following document details the process by which the UL Housing project will be handled by our group. Detailed inside are items such as the responsibilities given to each team member, the type of development we will be following, and a list of risks that will probably be encountered during the process.

Table of Contents

[Abstract 1](#_Toc404958224)

[Introduction 3](#_Toc404958225)

[Life Cycle Model 4](#_Toc404958226)

[Risk Analysis 5](#_Toc404958227)

[Hardware and Software Resource Requirements 6](#_Toc404958228)

# Introduction

The UL Housing department is need of a system to automate and manage requests for room changes by students. To handle this task, the group has constructed the following document that will detail every individual’s responsibilities. In addition to this is the development model that we will be following and possible hindrances to successful deployment.

# Life Cycle Model

The software development lifecycle model chosen for this project is a mixture of both waterfall and agile software development methods. The beginning stages we have used the waterfall model for project planning as well as for writing the requirements. The waterfall method is very useful when starting to acquire the customer’s requirements and create documentation. Later on when the design portion is completed, we will be transitioning to the agile method. The agile method will later be used during the design, development and testing stage of the project. The method’s flexibility and the ability for processing stages to run concurrently would allow adaptations to the customer’s requirements.

# Risk Analysis

The risks for the project include the possibilities such as a group members losing motivation, group members dropping out of the class, and group members deciding to switch teams. This would result in staff turnover and management change risks within the project. The best way to handle these risks is for each member to try their best to complete the project. Motivation will be a combination of a finished project and a good grade. This should also keep members from wanting to switch teams.

# Hardware and Software Resource Requirements

The hardware that will be used to carry out the development will be any computer running the Windows 7 operating system. To test multiple threads, if it is required, then the computers within the CMPS lab will be in use heavily. Printers in the CMPS lab and other labs around the U.L. Lafayette campus will be used to print out documentation.

We will use programming software as well as database software to implement code for the development. The IDEs will be used for interfacing and will be used alongside HTML script and data basing software. Ruby on Rails will be the programming language of choice as well as MySQL to help implement a database. Git will be used as a repository for the applications development. Web applications such as google docs and google hangout will be used as a means of communication for members within the group. UL Lafayette email will be used to communicate with client when necessary. The Facebook messenger and application will also be used for communication.