**VAQ Healthy Living Guide**

**Software Design Documentation**

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# 1. Introduction

## 1.1 Purpose

The purpose of this Software Design Document is to provide an explicit outline of the software architecture and high-level design of the VAQ Healthy Living Guide application. Various data structures, databases and interfaces will be depicted to accomplish this goal. This is being done with the intention of providing developers an insight to how our Client’s needs are being meet efficiently and effectively regarding the requirements set in the SRS. This document’s intended audience will be developers, current company, and future organizations.

## 1.2 Scope

The software application being described in this document is the VAQ Healthy Living Guide application. This SDD will provide a proof of concept for building a prototype that demonstrates the functions specified in its respective SRS. Using use-case, state, class, and data flow models, this document will explain the developing team’s thought process, achieving the overall purpose of this SDD.

## 1.3 Definitions, Acronyms, and Abbreviations

The following terms, acronyms, and abbreviations are used throughout this document and are presented in the table below.

|  |  |
| --- | --- |
| **Term** | **Definition** |
| SDD | Software Design Document |
| SRS | Software Requirement Specification |
| GUI | Graphical User Interface |
| Database | A structured set of data held in a computer, especially one that is accessible in various ways. |
| MySQL | My Structured Query Language: open source relational database management system. |
| XML | Extensible Markup Language |
| XSL | Extensible Stylesheet Language |
| HTML | HyperText Markup Language |
| PDF | Portable Document Format |
| GitHub | GitHub is a web-based Git or version control repository and Internet hosting service, used by software developing teams. |
| Java Virtual Machine | Allows a java program to run on any platform, regardless of the operating system, without having to modify the code. |
| Wizard | A sequential set of prompts used in data collection, organized for ease of use for the user. |

# 2. References

GitHub – <https://github.com/>

MySQL – <https://www.mysql.com/>

JavaFX – <https://docs.oracle.com/javase/8/javase-clienttechnologies.htm>

NetBeans – <https://netbeans.org/>

Gluon - <http://gluonhq.com>

# 3. Detailed Design

## 3.1 Module Detailed Design

### 3.1.1 java-class01

...

### 3.1.2 java-class02

...

## 3.2 Data Detailed Design

A close up of a map

Description generated with very high confidence

### 3.2.1 table1

...

### 3.2.2 table2

...

# 4. User Interfaces By Use Case

There are no models at this moment. However, an initial data model can be found I Appendix.

## 4.1

**Use Case 01:**

There are no sequence diagrams at this stage of the development process.

## 4.2

**Use Case 02:**

...

# A. Appendices

## A.1 Appendix 1

Required form for approval of changes to this document.

# Document Approval

The following Software Requirements Specification has been accepted and approved by the following:

|  |  |  |  |
| --- | --- | --- | --- |
| **Signature** | **Printed Name** | **Title** | **Date** |
|  | Izquierdo Stephen | Lead Software Eng. |  |
|  | Dr. M. K. Quweider | Instructor, CSCI-3340 |  |
|  |  |  |  |

## A.2 Appendix 2

Required form needed if there are any changes after the document is completed.

# Revision History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Description** | | **Author** | **Comments** |
| 11/2/2017 | Version 1.0 | Yessenia Rodriguez, Stephen Izquierdo | | First Draft |
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