

**Avatar Fitness**

Release: 1

Version: 0.1

Date: 11/17/2014

Responsible Analyst: Dylan Schultz

Email Address: dylan.schultz@oit.edu

# Signature Page

Before signing this document, please ensure all information enclosed is correct.

Responsible Analyst: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Printed Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Professor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Printed Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Revision History

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Author | Company | Version | Date | File Name | Comments |
| Dylan Schultz | Dylan Inc. | 0.0 | November 17, 2014 | CST 412 Object Model Dylan Schultz | This is the initial draft. Within it is the title page, signatory page, revision history, TOC, class diagrams (UML), and the class specifications. |

Table of Contents

[1 Signature Page 2](#_Toc404028858)

[2 Revision History 3](#_Toc404028859)

[3 Class Diagrams 5](#_Toc404028860)

[3.1 Executive 5](#_Toc404028861)

[3.2 Detailed 5](#_Toc404028862)

[4 Class Specifications 8](#_Toc404028863)

[4.1 Avatar 8](#_Toc404028864)

[4.2 DatabaseManager 8](#_Toc404028865)

[4.3 HomePage 8](#_Toc404028866)

[4.4 iStatistic 8](#_Toc404028867)

[4.5 iWorkout 8](#_Toc404028868)

[4.6 LoginPage 8](#_Toc404028869)

[4.7 Statistic 8](#_Toc404028870)

[4.8 StatisticsPage 8](#_Toc404028871)

[4.9 TimerPage 8](#_Toc404028872)

[4.10 User 8](#_Toc404028873)

[4.11 Workout 8](#_Toc404028874)

[5 Glossary 9](#_Toc404028875)

[5.1 Example of Table Wrapping 9](#_Toc404028876)

# Class Diagrams

## Executive



## Detailed



# Class Specifications

## Avatar

[Avatar](Classes/Avatar.doc)

## DatabaseManager

[DatabaseManager](Classes/DatabaseManager.doc)

## HomePage

[HomePage](Classes/HomePage.doc)

## iStatistic

[iStatistic](Classes/iStatistic.doc)

## iWorkout

[iWorkout](Classes/iWorkout.doc)

## LoginPage

[LoginPage](Classes/LoginPage.doc)

## Statistic

[Statistic](Classes/Statistic.doc)

## StatisticsPage

[StatisticPage](Classes/StatisticsPage.doc)

## TimerPage

[TimerPage](Classes/TimerPage.doc)

## User

[User](Classes/User.doc)

## Workout

[Workout](Classes/Workout.doc)

# Glossary

## Example of Table Wrapping

|  |
| --- |
| **Class Information** |
| 1. **Class Name: Avatar** 2. Abstract Type: N Persistence: Y |

|  |  |  |
| --- | --- | --- |
| **Trace-ability Information** | | |
| 1. **Use Case ID** | 1. **Use Case Name** | 1. **Steps** |
| 4 | Create Avatar | 7 |
| 5 | Change Avatar | 3 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Public Methods** | | | | |
| 1. **Signature** | 1. **Description** | 1. **Collaborating Class::Methods** | 1. **Preconditions** | 1. **Post Conditions** |
| NA |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Protected Methods** | | | |
| 1. **Signature** | 1. **Description** | 1. **Preconditions** | 1. **Post Conditions** |
| NA |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Private Methods** | | | |
| 1. **Signature** | 1. **Description** | 1. **Preconditions** | 1. **Post Conditions** |
| NA |  |  |  |
|  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attributes** | | | | | |
| 1. **Name** | 1. **Type** | 1. **Object (Y/N)** | 1. **Instance/Static** | 1. **Visibility** | 1. **Description** |
| M\_hair | Int | N | Instance | Private | Number representing which hair style the user wants to represent the avatar |
| M\_gender | Int | N | Instance | Private | Bool representing avatar’s gender (0 female, 1 male) |

|  |  |
| --- | --- |
| **Concurrency** | |
| 1. **Threading Issue** | 1. **Description** |
| NA |  |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Major Exceptions** | | |
| 1. **Name** | 1. **Trigger** | 1. **Action** |
| NA |  |  |
|  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Instance Information** | | | |
| 1. **Minimum** | 1. **Maximum** | 1. **Mean** | 1. **Fixed** |
| 0 | 1 | 1 | 1 |
|  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **General Comments** | | |
| 1. **Author** | 1. **Date** | 1. **Comment** |
| Schultz | 11/17/14 | Okay, so the reason there are no methods is because it is basically a class just for holding data. It was deemed necessary to create an entire class for it so that if I need to extend the functionality, it would be easy to do so. |