

**Avatar Fitness**

Release: 1

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Date: 12/05/2014

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# Signature Page

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

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

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

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

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# 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. |
| Dylan Schultz | Dylan Inc. | 1.0 | December 5, 2014 | CST 412 Object Model Dylan Schultz | Updated object model |

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# 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 |  |  |  |  |
|  |  |  |  |  |
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| --- | --- | --- | --- |
| **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. |