**Mi Band Reminder**

Data Design Document

Submitted to:

Asst. Prof. Ma. Rowena C. Solamo

Faculty Member

Department of Computer Science

College of Engineering

University of the Philippines, Diliman

Submitted by:

Aboy, Blaine Corwyn  
Flores, Rafael Luis

In partial fulfillment of Academic Requirements

for the course

CS 191 Software Engineering I

of the

1st Semester, AY 2016-2017

Revision Control

*History Revision:*

| Revision Date | Person Responsible | Version  Number | Modification |
| --- | --- | --- | --- |
| 11/21/16 | Aboy, Blaine Corwyn D. | 1.0 | Initial document created, added data design class diagram with data access object descriptions |
|  |  |  |  |

*Data Design:*

Class Diagram

Phone Application

Reminder

.txt file

Input/Output Text

uses

encapsulates

obtains/modifies

uses/creates

*Data Access Object (DAO) Classes:*

|  |  |
| --- | --- |
| **Class Name** | **Description** |
| Phone Application | This is the representation of the data client. It needs access to the data source which is the text file to be able to use reminders. |
| Reminder | The reminder is the primary object in the class diagram. It’s used by the phone application and makes use of user input text and is logged into a text file for usage. |
| .txt file | This is the data source which is a simple .txt file. This stores all and any data to be used for the reminder application. |

*TransferObject Classes:*

|  |  |
| --- | --- |
| **Class Name** | **Description** |
| Input/Output Text | This input/output text is the data carrier wherein the user input becomes data carried over to the other objects to be used for the entire system. |

*List of Data Source:*

Data Source Name: .txt

Description: makes use of a simple .txt file as storage. Data to be used is delimited.

Sample Source File:

name : 2400 : mmddyy

feed the dog : 0700 : 112116

wake up : 0600 : 112116