

Bills Reminder

Data Design Document

Submitted to:

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In partial fulfillment of Academic Requirements
for the course
CS 191 Software Engineering I
of the

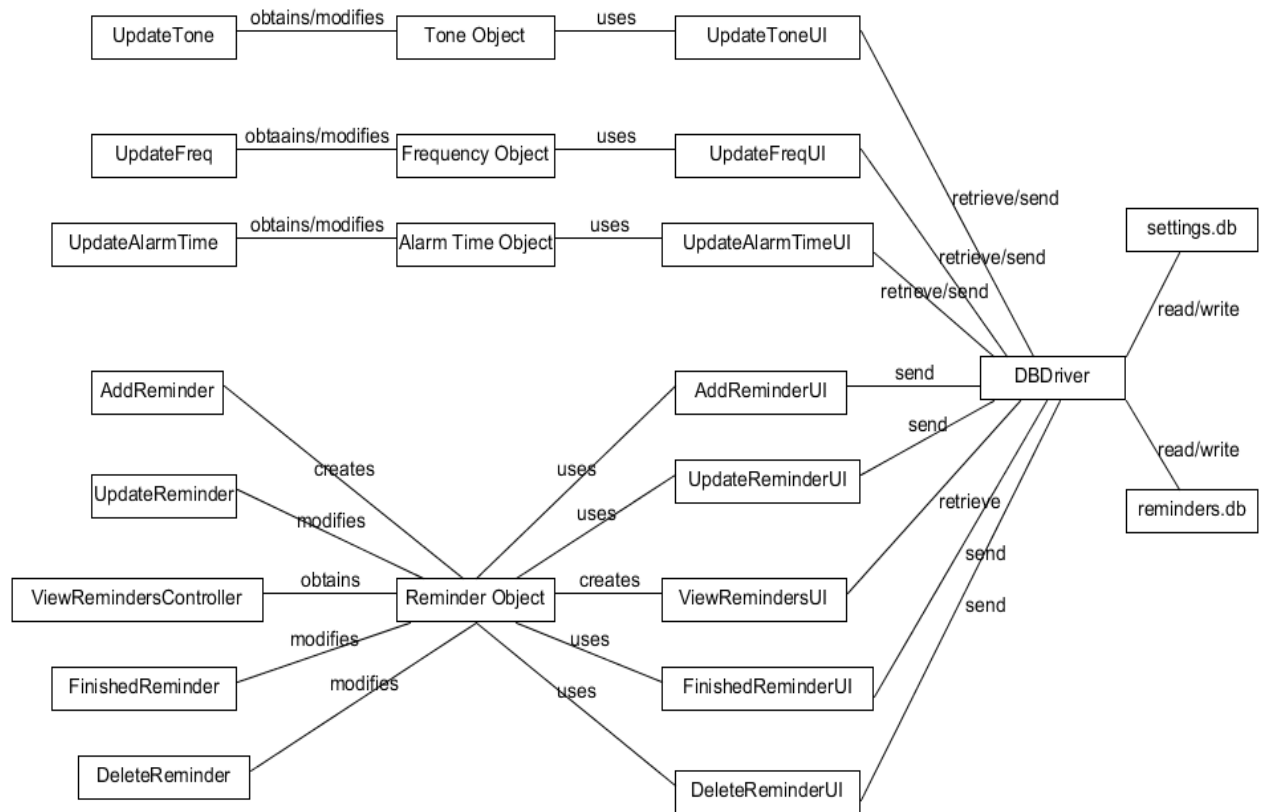
1st Semester, AY 2016-2017

Revision Control

History Revision:

<i>Revision Date</i>	<i>Person Responsible</i>	<i>Version Number</i>	<i>Modification</i>
11/16/16	Anthony Dacoco	1.0	Initial Document; Class Diagram; Data Sources
11/16/16	Arthur Yiu	1.1	Data Access Object classes and Transfer Object classes along with descriptions
11/29/16	Paul Sason	1,2	Edit Data Transfer

Data Design:



Data Access Object (DAO) Classes:

Class Name	Description
UpdateToneUI	Creates Tone Object and retrieves/sends data to database
UpdateFreqUI	Creates Frequency Object and retrieves/sends data to database
UpdateAlarmTimeUI	Creates Alarm Time Object and retrieves sends data to database
AddReminderUI	Creates Reminder Object and sends data to database
UpdateReminderUI	Creates Reminder Object and sends data to database
ViewRemindersUI	Creates Reminder Object and retrieves data from database
FinishedReminderUI	Creates Reminder Object and sends data to database
DeleteReminderUI	Creates Reminder Object and sends data to database
DBDriver	Accesses the database for reading and writing

TransferObject Classes:

Class Name	Description
Tone Object	Stores the data read from the database
Frequency Object	Stores the data read from the database
Alarm Time Object	Stores the data read from the database
Reminder Object	Stores the data read from the database

List of Data Source:

Data Source Name: reminders.db

Description: Will store all the information about reminders. Will be a CSV file and each reminder will be separated by a new line. The first line of the file will denote how many reminders will be read

Sample Source File:

<number of reminders (int)>

<reminder name (str)>,<description (str)>,<amount due (float)>,<due date (date)>

*all str should have no special characters (','!',',','\',etc)

```
5
Globe,last payment na yey,2440.34,11/22/2016
Manila Water,report yung leak sa katipunan street,1129.35,11/22/2016
Meralco,,6945.40,11/26/2016
PLDT,downgrade after this payment,3960.40,11/30/2016
Metrobank,,6898.78,11/30/2016
```

Data Source Name: settings.db

Description: Will store all the information about the application settings. Will be a CSV file and each app setting will be separated by a new line.

Sample Source File:

<alarm frequency (choice of '1','2','3','4')>

<alarm tone (choice of '1','2','3','4','5')>

<alarm time (time)>

```
3
5
6:45
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