Bills Reminder
Analysis Model

Submitted to:

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Revision Control

History Revision:

Revision Date	Person Responsible	Version Number	Modification
10/21/16	Arthur Kevin N. Yiu	1.0	Initial Document; Purpose; Target Audience; Control classes and description
10/21/16	Anthony Dacoco	1.1	Initial Class Diagram (Control and Entities). Entites and description.
10/21/16	Paul Matthew Sason	1.2	Finishing of Class Diagram (Boundary classes). Boundary classes and descriptions

Purpose:

The purpose of this document is to provide a model of what the software can do in terms of functionalities and features. The document shows the relationships between the classes along with their attributes and responsibilities.
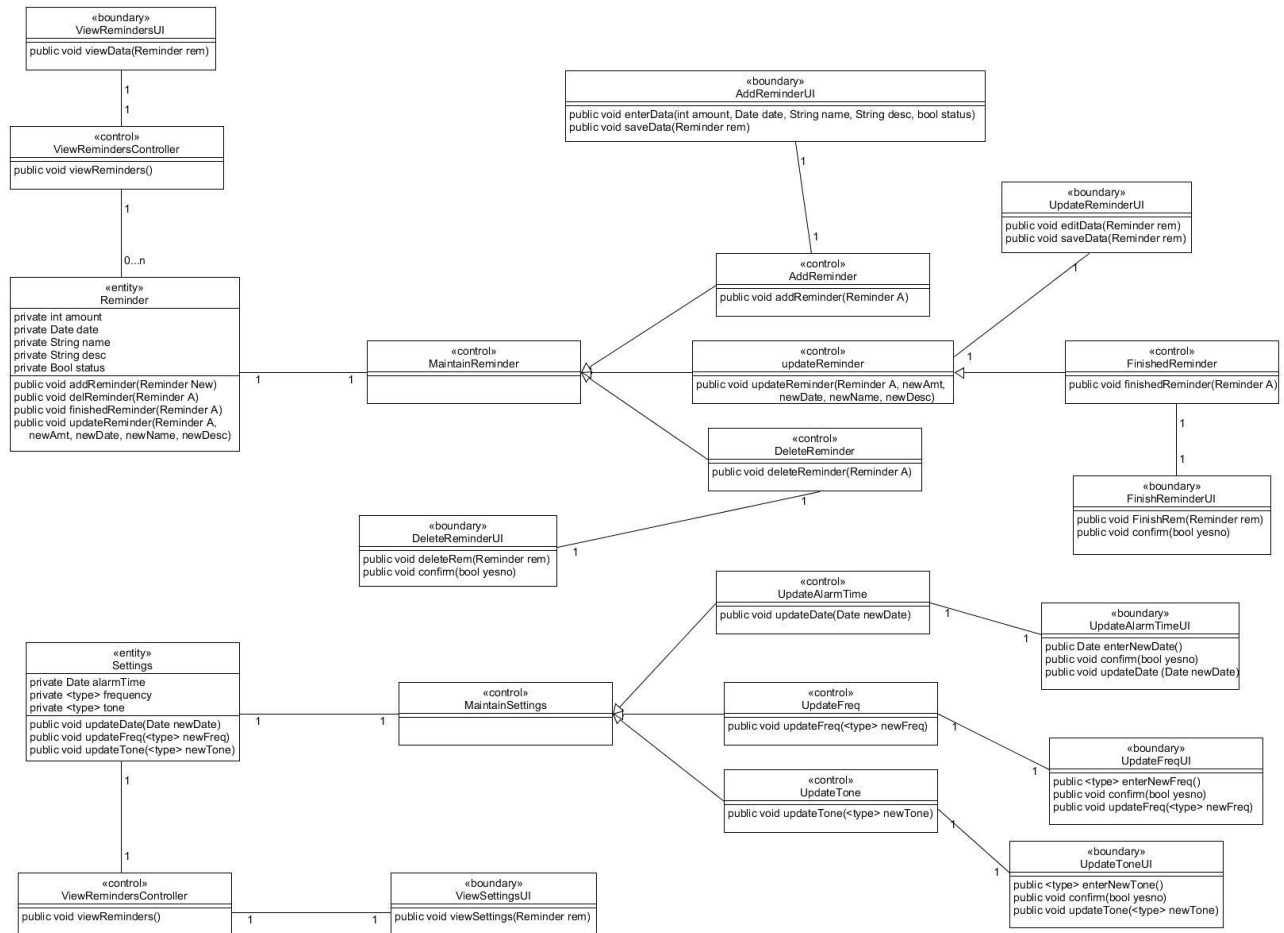
Audience:

This document is targeted to testers and system developers.

System Name: Bill Reminder

Description: The Bill Reminder app would help users pay their bills by giving out alarms about the upcoming deadline and the amount due. Users will have the option to be reminded in the frequency of their choosing.

Class Diagram:

Boundary Classes:

Class Name	Description
AddRemindersUI	Allows the user to create reminders
UpdateRemindersUI	Allows the user to modify reminders
DeleteReminderUI	Allows the user to delete reminders
ViewRemindersUI	Allows the user to view reminders
FinishedReminderUI	Allows the user to set a reminder as paid or not
UpdateAlarmTimeUI	Allows the user to change the time in which the alarm rings
UpdateFreqUI	Allows the user to change how often the app will remind them of the deadline of a reminder
UpdateToneUI	Allows the user to choose a custom alarm tone for their reminder
ViewSettingsUI	Allows the user to interact with the attributes of the alarm

Control Classes:

Class Name	Description
ViewRemindersController	Gets the reminders from the file
MaintainReminder	Connects the boundary class and the extension control classes
AddReminder	Manages the creation of a reminder
UpdateReminder	Manages the modification of a reminder
DeleteReminder	Manages the deletion of a reminder
FinishedReminder	Manages the status of a reminder
MaintainSettings	Connects the boundary class and the extension control classes
UpdateAlarmTime	Manages the setting of what time in the day the system will alarm the user
UpdateFreq	Manages when the system will start alerting the user
UpdateTone	Manages what tone the alarm will be
ViewSettingsController	Gets the settings of the system from the file

Entity Classes:

Class Name	Description
Reminder	Stores information about each reminder (amount, date, name, description and status)
Settings	Stores information about alarm settings (alarm time, frequency, tone)