ISKOins
Analysis Model

Submitted to:

Asst. Prof. Ma. Rowena C. Solamo
Faculty Member
Department of Computer Science
College of Engineering
University of the Philippines, Diliman

Submitted by:
Caingat, Deanne Faye C.
Cruz, Eunice Angel D.
Velasco, Lois Alexis M.

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***
10/20/16	Deanne Faye C. Caingat	1.0	Class Diagram
10/20/16	Eunice Angel D. Cruz	1.0	Description of Boundary, Entity, and Control classes
10/20/16	Lois Alexis M. Velasco	1.0	File Purpose, File Description

Purpose:

The purpose of this document is to describe the structure of the system by showing the relationship between the system's classes, their methods and attributes.

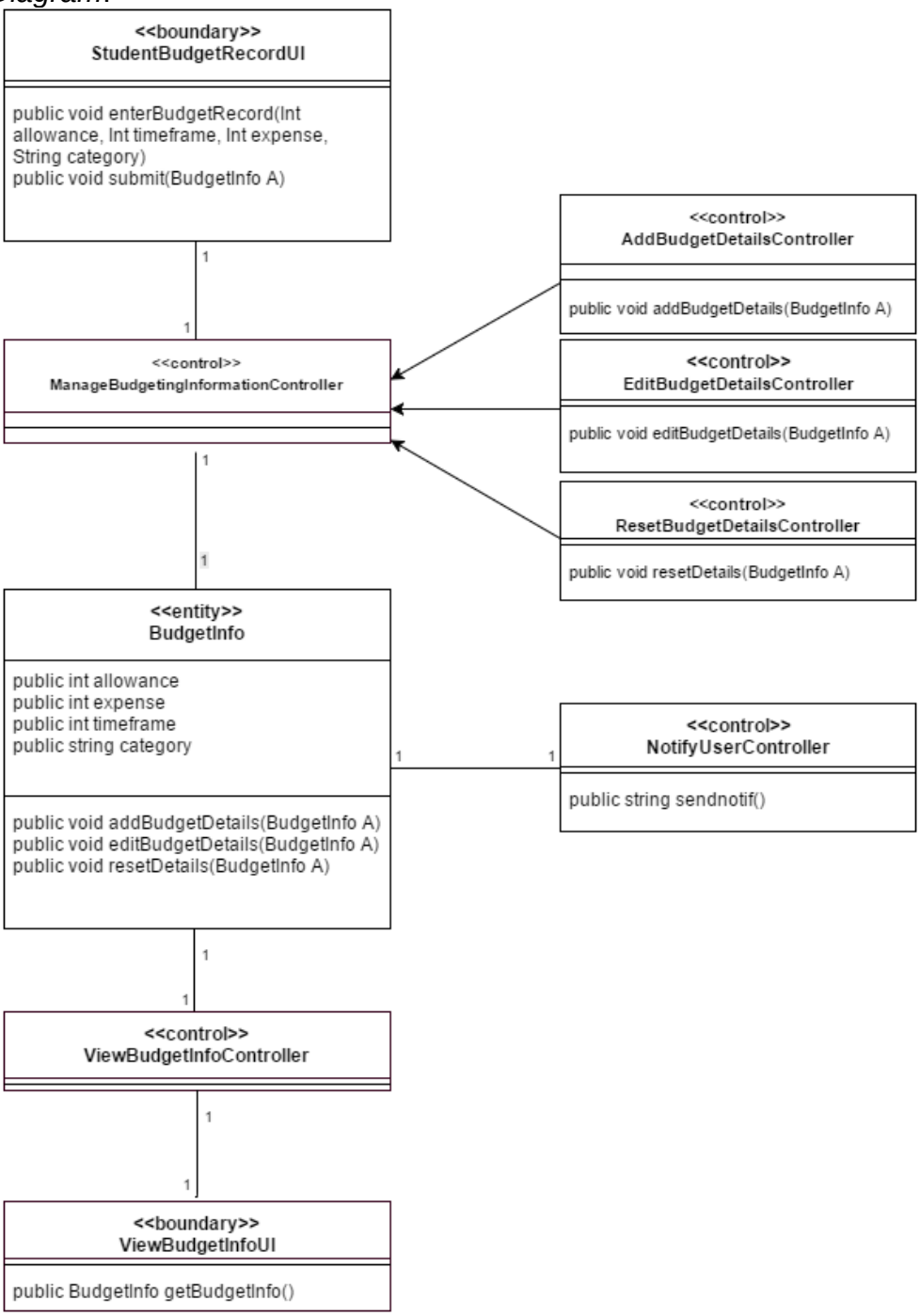
Audience:

The target audience of this document are the users, the professors and the developers.

System Name: ISKOins

Description: ISKOins is an expense and allowance tracker that aims to help UP students in managing their money. It allows its users to enter their allowance and/or income for budgeting in certain categories that UP students would usually spend on. It allows the users to set goals and allocate their cash for savings. It will also notify the users whenever their spending reach a certain percentage of their expenditure limit. Lastly, it also indicates how much the user saved/loss based on the inputted amount and time frame.

Class Diagram:



Boundary Classes:

Class Name	**Description**
1. StudentBudgetRecordUI	- Asks the student to enter the details/information for budgeting. Only the “add category” section can be left blank, the rest should be specified.
2. ViewBudgetInfoUI	- Shows the user the budget details such as the savings/loss as well as expenses.

Control Classes:

Class Name	**Description**
1. AddBudgetDetailsContoller	- Upon submission, the system checks if the information given by the student is valid, that is, there is no missing information. If it is seen as invalid, the student will be prompted with the form highlighting the section for the missing information; otherwise, it is saved and is ready for budgeting.
2. EditBudgetDetailsController	- The student chooses whether to edit the allowance, time frame,or he/she can choose from a category, and if his/her desired category exists, the student can add the expense details, otherwise, if the desired category does not exist, the student can add a new category, then he/she can add expense details. The changes are saved and updated.
3. DeleteBudgetDetailsController	- The system deletes the existing budget information.
4. ViewBudgetInfoController	- The student chooses whether to view savings/loss or past expenses.
5. NotifyUserController	- Shows a notification when the user has reached the expenditure limit.

Entity Classes:

Class Name	Description
1. BudgetInfo	- Has 4 fields namely: allowance, timeframe, expense, and category. The allowance, timeframe, and expense are all of type Int, and category is of type String.