# **Digital Pink Card** Program Design Language

## Submitted to:

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

> Submitted by: Cai, Jann Willem B. Daroya, Carlos Adrian A. Ocampo, Pauline L.

In partial fulfillment of Academic Requirements for the course CS 191 Software Engineering I of the 1st Semester, AY 2016-2017

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# **Revision Control**

History Revision:

Revision Date	Person Responsible	Version Number	Modification
11/29/17	Carlos Adrian Daroya	1.0	Initial Document;

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Program Specification (Method): LoadTimeOut

#### Input:

Student s - student object based on the barcode that was scanned

## Output:

View TimeOut – the output is a view that will show the timeout screen

# Program Logic:

```
IF student s.session IS TRUE
DO
   FIND matching student from the student entity in database
   CALCULATE session time via difference between time in/timeout
   CALCULATE amount due with the session time multiplied by rate
   CALCULATE new free hours
   UPDATE student free hours
   UPDATE student session to FALSE
   UPDATE student seatno to 0
   UPDATE student credits based on amount due
   UPDATE student timeout date
   CREATE record R based on updated student
   ADD record to the table Record in database
   RETURN View Timeout with student S
```

UNTIL End-of-file

#### Notes:

- This is based on the analysis model made previously
- TimeOutController is equivalent to "control TimeOut"
- CALCULATE methods are originally from the "CalcUsageCost" controller, but we are planning on unifying this controller together with the Timeln and TimeOut controller into a new single controller called "TimeInOutController"
- A new table called "Record" will be added to the database (we will modify the Data Design document)

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