
Digital Pink Card

A digitized version of UP's Pink Card

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Unique Reference:

The documents are stored in the GitHub Repository Link: <https://github.com/cadaroya/forgee>.

GitHub File Reference of this document:

<https://github.com/cadaroya/forgee/blob/master/01-Project%20Documents/Project%20Description%20-%20Digital%20Pink%20Card%20-%20CaiDaroyaOcampo.pdf>

Document Purpose:

This document serves as a formal description of the Digital Pink Card project.

Target Audience:

The Digital Pink Card is aimed towards students with valid UP IDs who wish to make use of UP library computers.

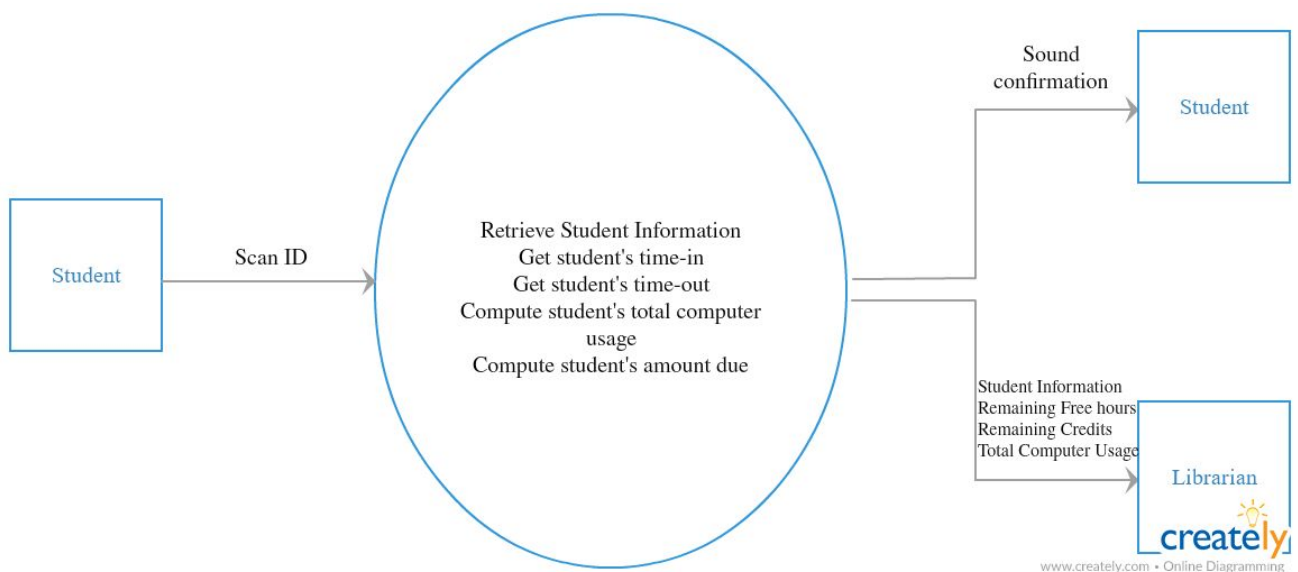
Revision Control:

Revision Date	Person Responsible	Version Number	Modification
09/10/17	Carlos Adrian Daroya	1.0	Initial Document

Project Title: Digital Pink Card

Description: The Digital Pink Card is a system that serves as a digitization of the UP Pink Card. Students who wish to use UP library computers scan the barcode on the back of their IDs upon start of their computer use time, and scan it again when done. The application tracks the student's total computer use, and starts charging the student once he has used more than the 20 free allotted computer hours. A report of each time-in and time-out is sent to the librarian in charge of tracking computer use.

Context Diagram:



Entities:

- **Student** - A student with a UP ID.
- **Librarian** - An employee of the library in charge of tracking students who use their Pink Cards in that library.

Major Inputs:

- From Student:
 - A scan of a UP ID barcode counting as a time-in.
 - A scan of a UP ID barcode counting as a time-out.

Major Outputs:

- For Student:
 - An indication of a barcode scan counting as a time-in.
 - An indication of a barcode scan counting as a time-out.
- For Librarian:
 - A report of a time-in.
 - A report of a time-out.
 - Number of computer hours used per student.
 - The amount due per student.
 - Remaining free hours

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- Remaining credits - credit system will be used when all free hours are consumed

Major Functionalities:

- Tracks student computer time-ins and time-outs using the barcode on UP IDs.
- Sends a report of time-ins and time-outs to the librarian in charge of tracking computer use.
- Tracks the number of total computer hours used per student.
- Computes the amount due after a time-out.
- The librarian can update a student's "remaining credits" attribute (can add or deduct credits)