UPCC

Project Description

Submitted to:

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In partial fulfillment of Academic Requirements
for the course
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Unique Reference:

The documents are stored in https://github.com/limciana/UPCC.

Project Description: bit.ly/UPCCProjectDescription

Document Purpose:

The purpose of this document is to give a brief description of the UPCC project, and its functionalities.

Target Audience:

The target audience of this document are the developers who are interested in continuing and extending the project, users who are interested in how the system works, and the professor handling the course.

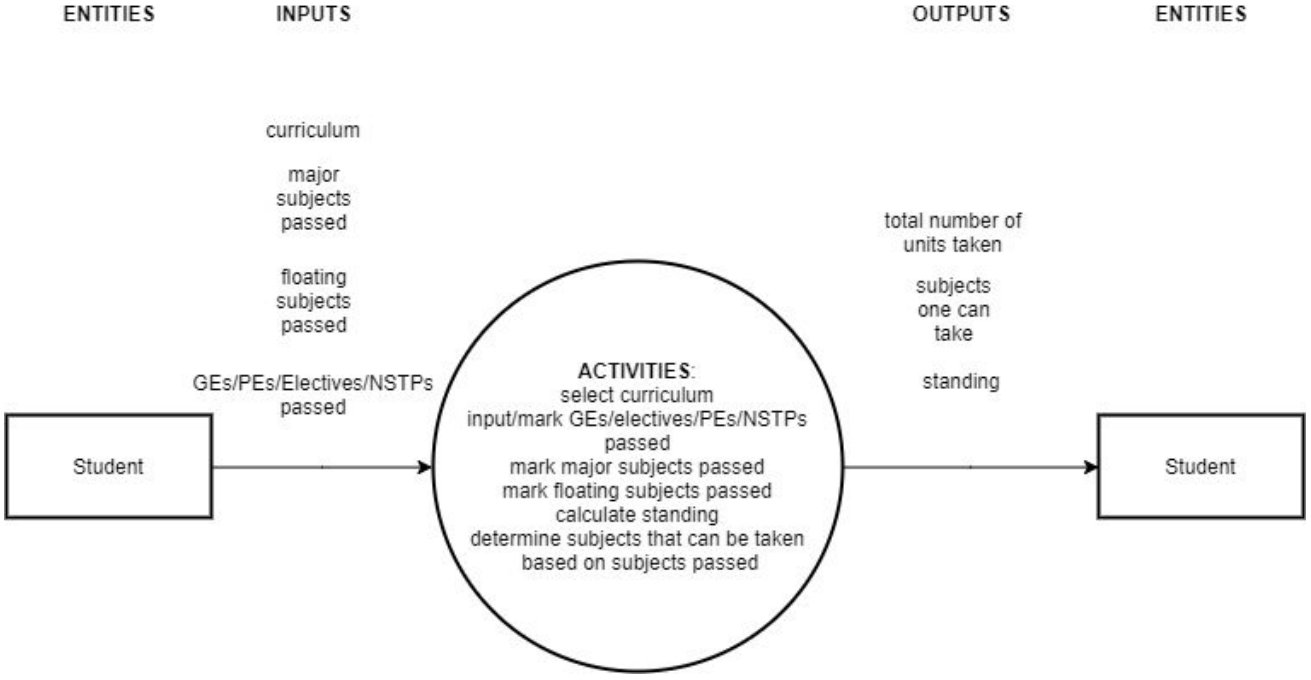
Revision Control:

Revision Date	***Person Responsible***	***Version Number***	***Modification***
08/31/17	Ciana Lim	1.0	Initial Document; Included Unique Reference, Document Purpose, Project Title and Description, Context Diagram.
09/03/17	Rayven Cruz	2.0	Included Target Audience, Entities, Major Inputs, Major Outputs, Major Functionalities.
09/05/17	James Abaja	2.1	Modified Project Description link and other keywords used in Entities and Major Functionalities.
09/20/17	Ciana Lim	2.2	Modified keywords for consistency.

Project Title: UPCC

Description: UPCC is a curriculum checklist for University of the Philippines Diliman students. Currently, it will be developed for students studying in the BS Computer Science (BS CS) program. It aims to be able to show the students the subjects they can take for the next semester based on the subjects they've already passed. The group hopes this project can help lessen the confusion of BS CS students when it comes to the prerequisites and corequisites of subjects in the curriculum.

Context Diagram:



Entities:
Students - These are the students enrolled in the BS Computer Science program at UP Diliman.

Major Inputs:
Curriculum - The curriculum which the student follows.
Major Subjects - These are the major CS subjects that the curriculum require.
Floating Subjects - The Stat subject, Math subjects, and Physics subjects that the curriculum require.
GEs/Electives - This includes the required GEs and the required number of GEs for the RGEP, and the number of electives that the curriculum require.
PE subjects - The PE subjects that the student had passed.
NSTP - This includes NSTP 1 and NSTP 2 (ROTC/LTS/CWTS).

Major Outputs:
Total number of units taken - This displays the total number of units passed by the student.

Subjects one can take - This displays the list of subjects that the student can take with his current subjects passed and standing.
Standing - This is computed through the percent of subjects the student has finished or the completion of prescribed subjects of a year in his/her curriculum.

Major Functionalities:

Select curriculum - The student selects from the list of BS CS curriculums the one which he/she follows.
Input/mark GEs/elective/PEs/NTSPs passed - The student marks specific required GEs, the number of MSTs, SSPs, and AHs, electives, PEs, and NSTPs that he/she had passed.
Mark major subjects passed - The student marks the major subjects that he/she had passed, including CS and Math subjects.
Mark floating subjects passed - The student marks the required Stat and Physics subjects for the curriculum that he/she had passed.
Calculate standing - Calculates the current standing of the student through the subjects that he/she had passed.
Determine the subjects that can be taken based on the subjects passed - Determine the subjects based on the prerequisites and corequisites of the curriculum being followed.