UPCC
Program Design Language

Submitted to:

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Revision Control

History Revision:

Revision Date	Person Responsible	Version Number	Modification
11/23/17	Ciana Lim	1.0	Initial Document.
12/1/17	Ciana Lim	1.1	Added 1 line of logic to the method.

Control Class: CheckRequirementsController

Program Specification (Method): checkSubject

Input:
    passedSubjects – List of subjects that the Student has already
        passed.
    Curriculum - List of Subjects in the curriculum (Subjects
        List)

Output:
    List of subjects that the student can take.

Program Logic:

CLEAR canBeTakenSubjects

DO

    READ next subject from Subjects List

    IF (prerequisites and corequisites of subject appears in
    passedSubjects List) AND (totalUnits OR (passedSubjects List
    AND totalUnits) satisfies the standing required for the
    subject)

        THEN ADD subject TO canBeTakenSubjects

    ENDIF

UNTIL End-of-List of Subjects List