

# UPCC

## Use Case Specification

Submitted to:

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

Submitted by:  
Abaja, James Gabriel  
Cruz, Rayven Ely  
Lim, Ciana

In partial fulfillment of academic requirements  
for the course  
CS 191 Software Engineering I  
of the  
1<sup>st</sup> Semester, AY 2017-2018

### **Unique Reference:**

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

3.0 – Input subjects passed: [https://bit.ly/UPCCUseCaseSpecs3\\_0](https://bit.ly/UPCCUseCaseSpecs3_0)

### **Document Purpose:**

This document's purpose is to give the possible scenarios, the description of each scenario, and what the user and developer could expect, when the student inputs passed subjects to UPCC.

### **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**

#### *History Revision:*

<b>Revision Date</b>	<b>Person Responsible</b>	<b>Version Number</b>	<b>Modification</b>
10/09/17	Rayven Ely Cruz	1.0	Initial Document.
10/10/17	Rayven Ely Cruz	1.1	Grammar, formatting
10/20/17	Ciana Lim	2.0	Modified the Activity diagram, and the description of Scenario 2.
11/14/17	Ciana Lim	3.0	Removed Scenario 2.
12/1/17	Ciana Lim	4.0	Added a new scenarios (scenario 2 and 3), and modified the activity diagram.
12/05/17	Rayven Ely Cruz	4.1	Removed repeated step in Scenario 3

**Use-Case Name:** 3.0 Input passed subjects

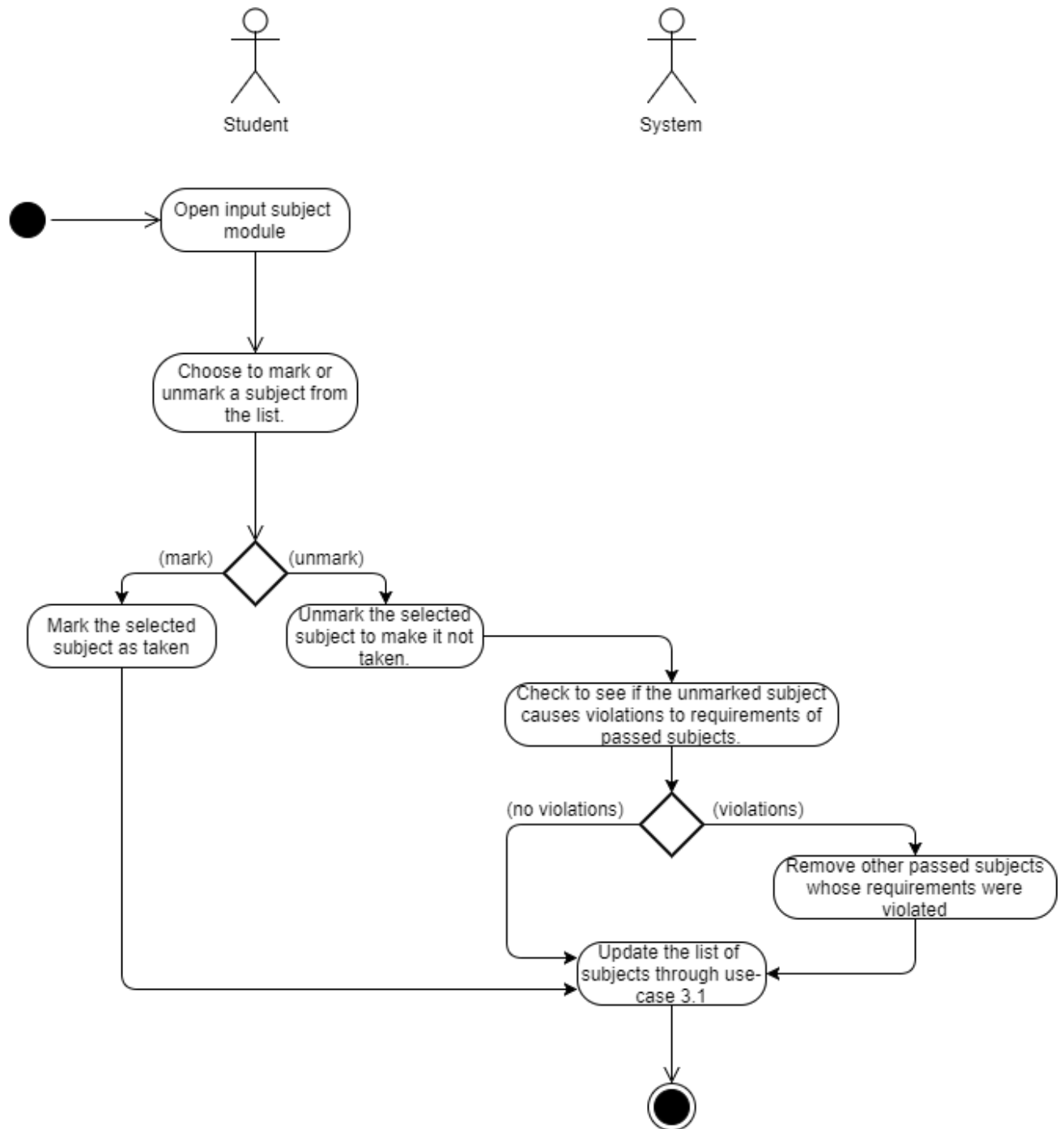
**Description:** This use-case is where the Student actor inputs his/her passed subjects, which the system uses to determine which other subjects can be taken by the Student. The Student cannot input a subject that he/she cannot take yet based on the rules specified by the curriculum he/she selected. The Student can only input subjects that are accepted by the selected curriculum.

**Preconditions:** The subject (or its equivalent) to be input must exist in the current curriculum.

**Flow of Events:**

<b>Scenario Name</b>	<b>Description</b>
Scenario 1 (Basic Flow) A subject (or its equivalent) was marked by the student as taken and passed.	<ol style="list-style-type: none"><li>1. The student opens the 'Input subject' module.</li><li>2. The student marks an unmarked subject from the list displayed by the selected curriculum.</li><li>3. The subject is marked as taken.</li><li>4. The system updates the list of displayed subjects by following use-case 3.1.</li></ol>
Scenario 2 A subject (or its equivalent) was unmarked by the student, which was previously marked, so this is now not taken and passed by the student.	<ol style="list-style-type: none"><li>1. The student opens the 'Input subject' module.</li><li>2. The student unmarks a marked subject from the list displayed by the selected curriculum.</li><li>3. The subject is unmarked, therefore, it is not taken.</li><li>4. The subject being unmarked doesn't cause any violations to the requirements of other taken subjects.</li><li>5. The system updates the list of displayed subjects by following use-case 3.1.</li></ol>
Scenario 3 A subject (or its equivalent) was unmarked by the student, which was previously marked, and the subject being unmarked causes other subjects to be unmarked as well (a prerequisite / corequisite / rules violated).	<ol style="list-style-type: none"><li>1. The student opens the 'Input subject' module.</li><li>2. The student unmarks a marked subject from the list displayed by the selected curriculum.</li><li>3. The subject is unmarked, therefore, it is not taken.</li><li>4. The subject being unmarked causes violations to the requirements of other taken subjects.</li><li>5. The system removes the subjects from the passed subjects list whose requirements were violated.</li><li>6. The system updates the list of displayed subjects by following use-case 3.1.</li></ol>

### Activity Diagram of the Flow of Events:



*Postcondition:* The subjects that are marked are subjects that are taken by the Student, the list of passed subjects are updated, and the list of subjects that can be taken will be updated through use-case 3.1.

*Relationships:* This use-case starts use-case 3.1. This use-case also determines the number of units the student currently has in use-case 5.0.

*Special Requirements:*

The subjects to be input must exist or has an equivalent in the selected curriculum the student user is following for his/her BS Computer Science degree.