

# Iskolendar

## Program Specification

Submitted to:

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for the course  
CS 191 Software Engineering I  
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***Unique Reference:***

The documents are stored in the <https://github.com/christelespino/iskolendar>.

***Document Purpose:***

The purpose of this document is to show the programming constructs and flow of code for the system's control class, JoinEvent.

***Target Audience:***

- UP Diliman College of Engineering organizations who need publicity for their events and announcements
- UP Diliman students who wish to be informed of the organizations' events

***Revision Control:***

<b><i>Revision Date</i></b>	<b><i>Person Responsible</i></b>	<b><i>Version Number</i></b>	<b><i>Contribution/Modification</i></b>
10/27/2018	Christel Espino	1.0	Initial Document, Added program specification, program logic and details

*Program Specification:* Adding an Event to a Student's Personal Calendar

*Class:* JoinEventController

*Stereotype:* Controller

*Method Signature:* AddEvent(Event event, Student student)

*Input:*

Event event – Event object to be added to the personal calendar

Student student – Student object who will be joining the event

*Output:*

1 if event was successfully added, 0 if joining failed

*Tool Used:* Program Design Language

*Program Logic:*

```
IF event IN student.studentCalendar THEN
    PRINT "You have already joined this event."
    RETURN 0
ELSE IF event.IsFull THEN
    PRINT "The event is no longer accepting participants."
    RETURN 0
ELSE
    IF event.PassRestrictions(student) THEN
        student.studentCalendar.addEvent(event)
        event.participants.addStudent(student)
        RETURN 1
    ELSE
        PRINT "Sorry, you are not qualified to join this event."
        RETURN 0
```