

CRC CARDS – HAUNTED PYRAMID

[HTTPS://GITHUB.COM/CSC207-UOFT/COURSE-PROJECT-HAUNTED-PYRAMID](https://github.com/CSC207-UOFT/COURSE-PROJECT-HAUNTED-PYRAMID)

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ENTITY User

Student

Responsibilities	Collaborators
<ul style="list-style-type: none">• Name• birthDate• dateCreated• emailAddress• phoneNumber• homeAddress	
<ul style="list-style-type: none">• Setter of the above responsibilities	
<ul style="list-style-type: none">• Getter of the above responsibilities	
<ul style="list-style-type: none">• Construct with name and birthDate	

ENTITY

Student

Responsibilities	Collaborators
<ul style="list-style-type: none"> • number of courses • courses enrolled • AddCourse • RemoveCourse 	<ul style="list-style-type: none"> • Course

ABSTRACT

ENTITY Event

Reading, Assignment, Lecture,
Lab, Tutorial, Test, Other

Responsibilities	Collaborators
<ul style="list-style-type: none">namelocation (Optional)startTimeendTime	
<ul style="list-style-type: none">modify startTime and endTime	
<ul style="list-style-type: none">Setters for startTime, endTime, name and location	
<ul style="list-style-type: none">Getters for startTime, endTime and length	
<ul style="list-style-type: none">HasConflict	
<ul style="list-style-type: none">Equals	
<ul style="list-style-type: none">ToString	

ENTITY
Assignment

Responsibilities	Collaborators
<ul style="list-style-type: none">• worksessionsLength• hoursSpent• hoursNeeded• dueDate	<ul style="list-style-type: none">• Fluid

ENTITY Course

Responsibilities	Collaborators
<ul style="list-style-type: none">• name• task [events share the same course attribute]	<ul style="list-style-type: none">• Event• Lecture• Assignment• Reading• Test• Tutorial• Labs• Others
<ul style="list-style-type: none">• Add events to task	
<ul style="list-style-type: none">• Remove events from task	
<ul style="list-style-type: none">• Getter of name and task	

ENTITY

OurCalendar

Responsibilities	Collaborators
<ul style="list-style-type: none">• calendarMap• conflict (Boolean)• conflictEvent• dateInfo• calendarMap	<ul style="list-style-type: none">• Event• Lecture• Assignment• Reading• Test• Tutorial• Labs• Others
<ul style="list-style-type: none">• add and remove objects from calendarMap	
<ul style="list-style-type: none">• check conflicts on calendarMap	
<ul style="list-style-type: none">• Getter of conflictEvent, conflict, dateInfo and calendarMap	

USE CASE CalendarManager

Responsibilities	Collaborators
<ul style="list-style-type: none"> • CurrentManager • futureManager • pastCalendar • currentYear, currentMonth, currentDate 	<ul style="list-style-type: none"> • OurCalendar • Lecture • Assignment • Reading • Test • Tutorial • Labs • Others • Event
<ul style="list-style-type: none"> • Generate and store past and future calendars 	
<ul style="list-style-type: none"> • Getters for Monthly Calendar, Weekly Calendar and Yearly Calendar, currentYear, currentMonth, currentDate 	
<ul style="list-style-type: none"> • Add and remove events to/from a Calendar 	
<ul style="list-style-type: none"> • Notify conflict events for chosen date • Get event time and date info for the selected date 	

USE CASE EventManager

Responsibilities	Collaborators
<ul style="list-style-type: none">• Map of Events• Map of Unscheduled Hours• Map of Scheduled Hours• getDay• getType• GetEvent• RemoveEvent• Rescheduable• addEvent• replaceEvent• totalHours• freeTime• chronological	<ul style="list-style-type: none">• CalendarManager• Event• Fluid• Repeated

USE CASE

StudentManager

Responsibilities	Collaborators
<ul style="list-style-type: none">• Create a studentMap with given information and acquired courseList from CourseManager.• Store student information in studentInfo• getStudentInfo• getStudentMap• addNewStudent	<ul style="list-style-type: none">• Student• CourseManager

USE CASE

CourseManager

Responsibilities	Collaborators
<ul style="list-style-type: none">• Create courseList of the current user.• Getter of courseList• Getter of one specific course information from courseList• Add Course to courseList• Remove Course from courseList• courseList (array of Course's that the events created belong to)	<ul style="list-style-type: none">• Course• Event• Assignment

CONTROLLER

MainController

Responsibilities	Collaborators
<ul style="list-style-type: none">• DisplayInitScreen• DisplayCalendar• generateEvent	<ul style="list-style-type: none">• CalendarManager• LoginController• StudentController• CalendarPresenter• ioSerializable
<ul style="list-style-type: none">• Save and Exit the program	

CONTROLLER

LoginController

Responsibilities	Collaborators
<ul style="list-style-type: none">• login• logout• signup• isLoggedIn	<ul style="list-style-type: none">• StudentController

CONTROLLERS

EventController

Responsibilities	Collaborators
Attributes: EventManager and CalendarManager	<ul style="list-style-type: none">• CalendarManager• EventManager
Schedule – take user input to schedule, modify, remove events	

CONTROLLERS

StudentController

Responsibilities	Collaborators
<ul style="list-style-type: none">Initialize studentManager	<ul style="list-style-type: none">ioSerializableStudentManager

Fluid

Responsibilities	Collaborators
<ul style="list-style-type: none">• Setter for fluid hours remaining	
<ul style="list-style-type: none">• Getter for fluid hours remaining	
<ul style="list-style-type: none">• Setter for work session length	
<ul style="list-style-type: none">• Getter for work session length	
<ul style="list-style-type: none">• Getter for session	
<ul style="list-style-type: none">• scheduleSession	

AutoSchedule

Responsibilities	Collaborators
<ul style="list-style-type: none">• Setter for fluid hours remaining	

Repeated

Responsibilities	Collaborators
<ul style="list-style-type: none">• Setter for repitition	
<ul style="list-style-type: none">• Getter for list and start times	
<ul style="list-style-type: none">• @Override conflicts	

IOSerializable

Responsibilities	Collaborators
<ul style="list-style-type: none">• Sets up the path creates a ser file	
<ul style="list-style-type: none">• write and save in the ser file	
<ul style="list-style-type: none">• read the ser file	

PRESENTER

CalendarPresenter

Responsibilities	Collaborators
<ul style="list-style-type: none">Starts from an empty calendar	<ul style="list-style-type: none">Calendar Manager
<ul style="list-style-type: none">Add information from the calendar manager	
<ul style="list-style-type: none">Display information as string from calendar manager	