CRC CARDS – HAUNTED PYRAMID

HTTPS://GITHUB.COM/CSC207-UOFT/COURSE-PROJECT-HAUNTED-PYRAMID

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SUMMARY

- Entities
  - User
  - Student
  - Event
  - Course
  - OurCalendar

- To be implemented
  - Lecture
  - Reading
  - Test
  - Tutorial
  - Labs
  - Others

- Use Cases
  - CalendarManager
  - CourseManager
  - EventManager
  - StudentManager

- Controllers
  - CalendarController
  - CourseController
  - EventController
  - LoginController
  - MainController
  - StudentController

- Interface
  - Fluid
  - Repeated

- Presenter
  - CalendarPresenter

- Gateway
  - IOSerializable

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User

Student

Responsibilities	Collaborators
• Id • Name • Username • Password • birthDate • dateCreated • emailAddress • phoneNumber • homeAddress	
• Setter of the above responsibilities	
• Getter of the above responsibilities	
• Construct with name and birthDate	

ENTITY

Student

Responsibilities	Collaborators
• number of courses • courses enrolled	• Course
• AddCourse • RemoveCourse • Getter methods	

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ABSTRACT

ENTITY
Event

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

Responsibilities	Collaborators
• name • location (Optional) • startTime • endTime	
• modify startTime and endTime	
• Setters for startTime, endTime, name and location	
• Getters for startTime, endTime and length	
• HasConflict	
• Equals	
• ToString	

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ENTITY
Assignment

Responsibilities	Collaborators
• worksessionsLength	• Fluid
• hoursSpent	
• hoursNeeded	
• DueDate	

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Course

Responsibilities	Collaborators
• name • EventList [events share the same course attribute organized in a map based on event type]	• Event • Lecture • Assignment • Reading • Test • Tutorial • Labs • Others
• Add events to task	
• Remove events from task	
• Getter of name and task	

OurCalendar

Responsibilities	Collaborators
• calendarMap • conflict (Boolean) • conflictEvent • dateInfo • calendarMap	• Event • Lecture • Assignment • Reading • Test • Tutorial • Labs • Others
• add and remove objects from calendarMap	
• check conflicts on calendarMap	
• Getter of conflictEvent, conflict, dateInfo and calendarMap	

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CalendarManager

Responsibilities	Collaborators
• CurrentManager • futureManager • pastCalendar • currentYear, currentMonth, currentDate	• OurCalendar • Lecture • Assignment • Reading • Test • Tutorial • Labs • Others • Event
• Generate and store past and future calendars	
• Getters for Monthly Calendar, Weekly Calendar and Yearly Calendar, currentYear, currentMonth, currentDate	
• Add and remove events to/from a Calendar	
• Notify conflict events for chosen date • Get event time and date info for the selected date	

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EventManager

Responsibilities	Collaborators
• Map of Events • Map of Unscheduled Hours • Map of Scheduled Hours • getDay • getType • GetEvent • RemoveEvent • Rescheduable • addEvent • replaceEvent • totalHours • freeTime • chronological	• CalendarManager • Event • Fluid • Repeated

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StudentManager

Responsibilities	Collaborators
• Student id to student courses map • Student id to student object map • Create a studentMap with given information and acquired courseList from CourseManager. • Store student information in studentInfo • Check username and password • getStudentInfo • getStudentMap • addNewStudent	• Student • Course

CourseManager

Responsibilities	Collaborators
• courseList (array of Course's that the events created belong to) • 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	• Course • Event • Student

MainController

Responsibilities	Collaborators
• DisplayInitScreen • DisplayCalendar • generateEvent • Save and Exit the program	• CalendarManager • LoginController • StudentController • CalendarPresenter • ioSerializable

LoginController

Responsibilities	Collaborators
• logIn • logOut • signUp • isLoggedIn	• StudentController

EventController

Responsibilities	Collaborators
Attributes: EventManager and CalendarManager	• CalendarManager • EventManager
Schedule – take user input to schedule, modify, remove events	

StudentController

Responsibilities	Collaborators
• Initialize studentManager	• ioSerializable • StudentManager

Fluid

Responsibilities	Collaborators
• Setter for fluid hours remaining	• AutoSchedule
• Getter for fluid hours remaining	
• Setter for work session length	
• Getter for work session length	
• Getter for session	
• scheduleSession	

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AutoSchedule

Responsibilities	Collaborators
• Setter for fluid hours remaining	

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Repeated

Responsibilities	Collaborators
• Setter for repitition	
• Getter for list and start times	
• @Override conflicts	

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IOSerializable

Responsibilities	Collaborators
• Sets up the path creates a ser file	
• write and save in the ser file	
• read the ser file	

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CalendarPresenter

Responsibilities	Collaborators
• Starts from an empty calendar	• Calendar Manager
• Add information from the calendar manager	
• Display information as string from calendar manager	

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