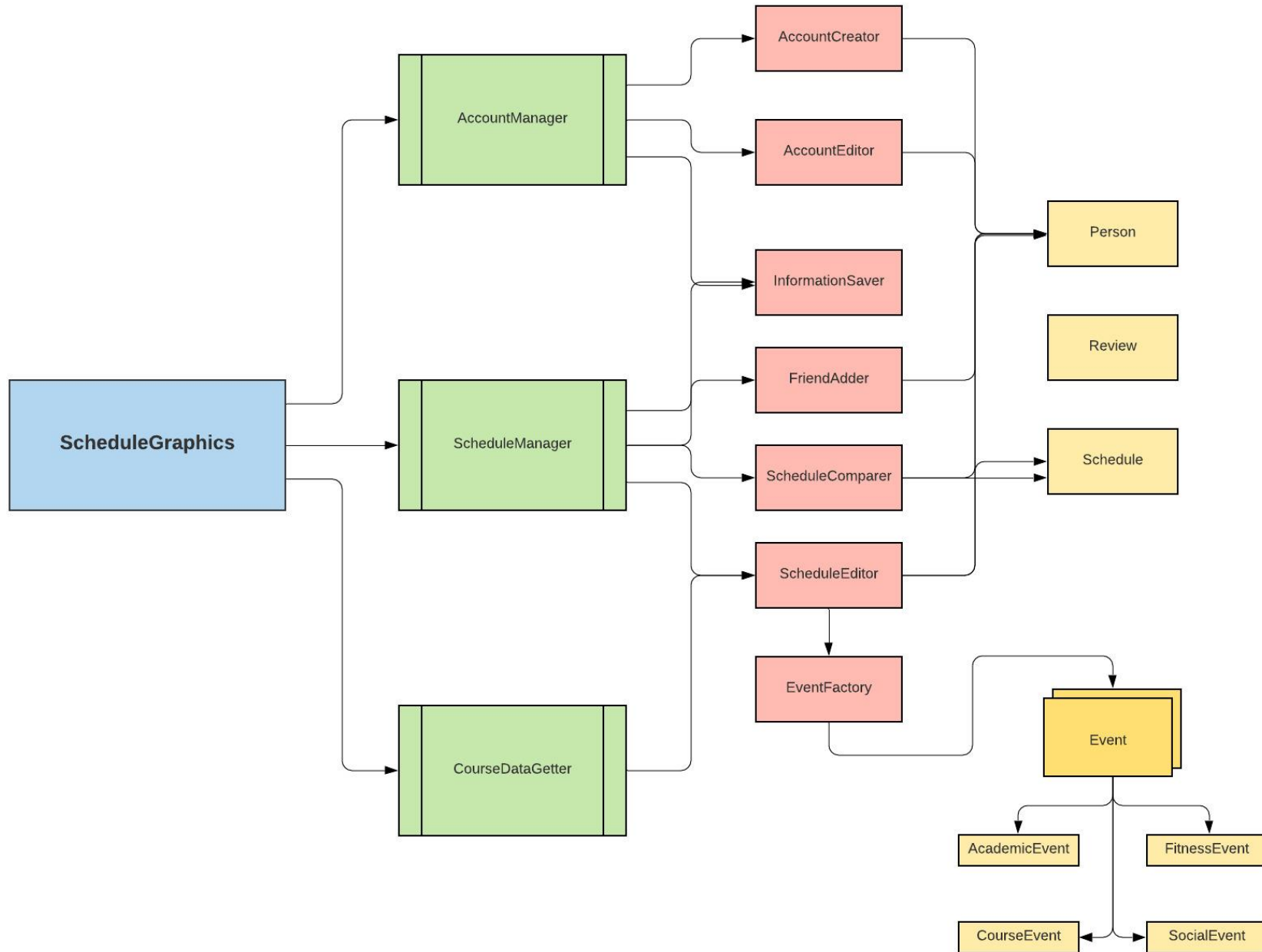


UML Diagram

Group 043



CourseEvent	
A subclass that extends Event class Represents the course events that the user has Overrides the getter and setter abstract methods from Event	Event EventFactory

FitnessEvent	
A subclass that extends Event class Represents the fitness events that the user has Overrides the getter and setter abstract methods from Event	Event EventFactory

AcademicEvent	
A subclass that extends Event class Represents the academic (non-course) events that the user has Overrides the getter and setter abstract methods from Event	Event EventFactory

SocialEvent	
A subclass that extends Event class Represents the social events that the user has Overrides the getter and setter abstract methods from Event	Event EventFactory

Person	
<ul style="list-style-type: none"> •Stores userName, userPassword, userSchedule, userFriends, outgoingRequests, incomingRequests • ShareSchedule method: shares person's schedule with another person 	Schedule ScheduleEditor ScheduleComparer

Schedule	
<ul style="list-style-type: none"> •Store Hashmap of events with day, start hour and event name that represent a user's weekly schedule •toString: shows the times of events in this Schedule 	ScheduleCom parer ScheduleEdito r

Event	
Abstract class and superclass of the different types of event classes Stores eventName, eventStartTime, eventEndTime, eventDay, eventType	ScheduleEditor CourseEvent AcademicEvent SocialEvent FitnessEvent

Review	
<ul style="list-style-type: none"> •store reviewLocation, reviewReview, reviewRating 	Location

Entity Classes /
Enterprise Business Rules

EventFactory	
<ul style="list-style-type: none">• Gets inputs from ScheduleEditor to pass through conditionals to instantiate the different types of events	ScheduleEditor Event CourseEvent AcademicEvent FitnessEvent SocialEvent

Use Case Classes /
Application Business Rules

ScheduleEditor

- AddEvent:
 - adds a given event to the schedule of the user also given from scheduleManager
- EditEvent:
 - Change event name, start time, or end time
- RemoveEvent:
 - remove a given event from the schedule

ScheduleManager
Schedule
Event
Person

InformationSaver

- Saves and updates user information when an account is created, or when instance variables of a user is updated
- Retrieves user Information from the database

ScheduleManager
AccountManager
ScheduleEditor
ScheduleComparer
AccountCreator
AccountEditor

Use Case Classes / Application Business Rules (more on next slide)

ScheduleComparer

- compareSchedule - this method compares the events of the friend's Schedule to this user's schedule
 - Access friend's schedules from Person entity
 - Check for mutual availability between two schedules

ScheduleManager
Person
Schedule

FriendAdder

- AcceptFriendRequest:
 - Adds requestor and requested user to each others friend lists.
- SendFriendRequest:
 - this method sends a friend request from one person to another

ScheduleManager
Person

AccountCreator	
<ul style="list-style-type: none">• Creates a new account for a user (takes a new Person class and assigns password, username, and a "trusted question" to allow for password recovery)<ul style="list-style-type: none">• Username must be unique, need both it and the trusted question to change password	AccountManager Person

AccountEditor	
<ul style="list-style-type: none">• Used to change a user's password<ul style="list-style-type: none">• User must be able to enter their username and correctly answer their security question for account recovery	AccountManager Person

Use Case Classes / Application Business Rules

CourseDataGetter	
<ul style="list-style-type: none">• Stores data gotten from the U of T timetable<ul style="list-style-type: none">• Fetches data from the U of T timetable• Provides meeting times for lectures sections of a given course	ScheduleEditor

Controller / Interface Adapters

AccountManager	
<ul style="list-style-type: none">• Stores every user as well as their username, which can be retrieved from the database.• Calls on AccountCreator to create new accounts• Calls on AccountEditor for account recovery	AccountCreator AccountEditor InformationSaver

ScheduleManager	
<ul style="list-style-type: none">• Stores users and their associated schedules• Call on ScheduleComparer to compare two schedules associated with certain userIDs• Calls on ScheduleEditor to edit the user's schedule	ScheduleComparer ScheduleEditor CalendarPage InformationSaver

Interface / Frameworks & Drivers

ScheduleGraphics	
<ul style="list-style-type: none">• Display user schedule on screen• Display options for the user to share schedule, add friends, and add / edit events	scheduleManager