**Group 4 - HLA & Class Diagram**

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| **Name** | **Class** | **Attributes** | **Methods** |
| Tyler | Events | * Name * ID * Date\_Start * Date\_End * Timeframe * Location * Facility (all info comes from Facility class) * User (Person of contact, info pulled from user class * Min\_Number of people to run * Max\_Number * List\_Of\_Accepted\_Users | * Getters * Setters * Search * Add * Delete * Modify * Make publicly available (Boolean) (should the event be made public as soon as the event is added?) * Make a recurring event (Boolean) * Check - searches for duplicate instance of event (Boolean) * Link - creates link/connection between two or more events * Buy tickets |
| Michelle | Facility (child of school) | * Name of Facility * Phone # * Street * City * Zip * State * County * (would #, street, city, etc be inherited from school?) * Size * Price * ID #? * Availability | * Getters * Setters * Search - find facility based on city/state/zip/county * isAvailable - boolean maybe? To determine if facility is available * Add - add new facility to list * Delete |
| Michelle | School | * Name * Phone # * Street * City * Zip * State * County | * Getters * Setters * Search - find facility based on city/state/zip/county * Add - add new school to list * Delete |
| Kevin | User | * User type(admin, !admin) * Name * Email * Phone number * Username (their email?) * Password * Location * My school * My events * My donations * My tickets | * Getters * Setters * Reset password * Update (email, phone number, location) |
| Joseph | Calendar | * Year * Month * Day\_of\_Month * Time(Includes hour,minute and seconds) * TimeZone | * Getters-returns time and date * Setters * Add- adds an event to the calendar * Allocate- allocates an event to available time-frame. * Schedule- returns the events with their set dates(for a specific school) * Available-returns the unused time slot to add an event |
| Patrick | Payment | * Credit Card * Debit Card * Stored Value Card * Pre Paid * Check * Customer Account | * Bill to Address and Credit Card Expiration Date * Payment Reference1,n Payment Reference 2, Payment Reference 3 * Max Charge Limit |
| Habib | Social Media | * User * Site * Site\_login * site \_password | * Getters * Setters |
| Habib | Sharing | * User * Facility * Event * Picture url * Social media | * Getters * Setters * Share |
| Sean | Report | * File Name * File Type * User (who requested) * Creation Date/Time | * Constructors * Getters * Setters * Prepare report * Expor |





