SERVD Volunteer Detailed Design Class Diagram

Volunteer
- volunteerID : Integer {key}
- name : String
- email : String
- address : String
- affiliations : String
- profileImg : String
- eventHistory : Array
- favOrganizations: Array
- favEvents: Array
- signedUpEvents: Array
- volunteerInfo : Array [name, email, address, affiliations, profileImg, eventHistory, favOrganizations, favEvents]
- privacyPrefs : Boolean
- emailPrefs : Boolean

+ createVolunteer(name, email, address) : Volunteer
+ getID(): Integer
+ getInfo() : Array
+ setName(newName:String)
+ setEmail(newEmail:String)
+ setAddr(newAddr:String)
+ setAffiliations(newAffil:String)
+ setProfileImage(File)
+ addSignedUpEvent(eventID)
+removeSignedUpEvent(eventID)
+ removeFavOrg(orgID)
+ removeFavEvent(eventID)
+ getEventHistory() : Array
- addToEventHist(eventID:Integer)
+ setPrivacyPrefs(Boolean)
+ setEmailPrefs(Boolean)

VolunteerProfile
- volunteer : Volunteer
- name : String
- email : String
- address : String
- affiliations : String
- profileImg : String
- eventHistory : Array
- favOrganizations: Array
- favEvents: Array

+ editProfile()

EditProfile
- volunteer : Volunteer
- name : String
- email : String
- address : String
- affiliations : String
- profileImg : String
- eventHistory : Array
- favOrganizations: Array
- favEvents: Array
- signedUpEvents: Array
- privacyPrefs: Boolean
- emailPrefs : Boolean

+ setPrivacyPrefs(Boolean)
+ setEmailPrefs(Boolean)
+ removeFavOrg(orgID)
+ removeFavEvent(eventID)
+removeSignedUpEvent(eventID)
+ setName(String)
+ setAddr(String)
+ setAffiliations(String)
+ setProfileImg(File)

EventProfile
- event : Event
- host : String
- title : String
- description : String
- location : String
- date : String
- time : String
- contactInfo : String
- tags : Array
- favorited : Boolean
- signedUp : Boolean

+ setFavEvent()
+ signUpForEvent()
+ cancelSignUp()
+ viewOrganizationPage()

OrganizationProfile
- organization : Organization
- favorited : Boolean

+ setFavOrganization()
+ viewUpcomingEvents()
+ viewPastEvents()

Event
- eventID : Integer {key}
- host : Organization Key
- title : String
- description : String
- location : String
- date : String
- time : String
- contactInfo : String
- tags: Array
- eventImg : String
- volunteerList : Array
- volunteerCount : Integer
- eventInfo : Array [host, title, description, location, date, time]

+ getID() : Integer
+ getInfo() : Array
+ getName() : String
+ getContactInfo() : String
+ getTags() : Array
+ getEventImg() : String
+ editEvent()

Email Nortification

Note: VolunteerProfile, EditProfile, OrganizationProfile are different pages/user interfaces on the SERVD site.

Note: The other SERVD group will be working on the classes related to the Organization.

Note: Email Notifications may or may not be implemented by the end of this project; "reach" goal. Not entirely sure how that will be implemented yet.