Object Oriented Design

Last Revision Date: 11/3/11

1. Functions
2. Revision History

1. Functions

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| Module Name: ConnActiv::login  Module Type: Method  Return Type: None  Input arguments: Email, Password  Output arguments: None  Error messages: If invalid email/password combination is provided  Files accessed: Users (Database)  Files changed: None  Modules called: None  Narrative: When the user enters their email address and password to login, it will be checked by accessing the users database to see if their email address exists and if the password is correct. |
| Module Name: ConnActiv::logout  Module Type: Method  Return Type: None  Input arguments: None  Output arguments: None  Error messages: None  Files accessed: None  Files changed: None  Modules called: None  Narrative: When the user decides to logout, he or she simple needs to click on the logout button and his or her session will end. |
| Module Name: ConnActiv::register\_user  Module Type: Method  Return Type: None  Input arguments: Email, First/Last Name, Address, Password, Activities  Output arguments: None  Error messages: If invalid email or password is given  Files accessed: Activities (Database)  Files changed: Users (Database)  Modules called: None  Narrative: When the user registers on ConnActiv, they will be prompted to fill in as much information as they want to provide with a few mandatory fields such as email and password. The activities database will provide a list of already created activities to add to their profile and when the profile is complete, the information will be added to the database. |
| Module Name: Activity::Subscribe  Module Type: Method  Return Type: None  Input arguments: Activity Name, User ID  Output arguments: None  Error messages: If the user inputs an activity that isn’t in the database  Files accessed: Activity (Database)  Files changed: User (Database)  Modules called: None  Narrative: A user wants to subscribe to an activity so they search for the activity and click to subscribe. This will add the activity ID to the user’s information in the database. |
| Module Name: Activity::unsubscribe  Module Type: Method  Return Type: None  Input arguments: Activity ID, User ID  Output arguments: None  Error messages: None  Files accessed: None  Files changed: User (Database)  Modules called: None  Narrative: A user unsubscribes from an activity which will delete the activity ID from that user’s information in the database. |
| Module Name: User::add\_to\_favorites  Module Type: Method  Return Type: None  Input arguments: Activity ID, User ID  Output arguments: None  Error messages: None  Files accessed: Activity (Database)  Files changed: User (Database)  Modules called: None  Narrative: A user wants to be able to quickly access a certain activity or other user via the Favorites section on his or her profile. On each page (activity, user, etc.), a user has the option to add that page to their favorites section. |
| Module Name: User::view\_news\_feed  Module Type: Method  Return Type: None  Input arguments: User ID  Output arguments: None  Error messages: None  Files accessed: User (Database), Activity (Database)  Files changed: None  Modules called: None  Narrative: The home page will access the user database to see what activities the user is subscribed to. Then the posts in the activity database will be parsed and displayed on the user’s page. |
| Module Name: Review::approveUser  Module Type: Method  Return Type: None  Input Arguments: author, forUser, date, time, text, anonymous (Boolean)  Output Arguments: None  Error Messages: If the review addition was unsuccessful or invalid  Files Accessed: None  Files Changed: Reviews (Database)  Modules Called: None  Narrative: A user elects to submit a positive review (or approval) of another user or group with whom he/she has done an activity. The newly created review is added to the database, but it is kept anonymous if the submitting user wishes. When activated, this function formats the approval listing with necessary information and sends it to the database to save it. |
| Module Name: Review::disapprove  Module Type: Method  Return Type: None  Input Arguments: author, forUser, date, time, text, anonymous (Boolean)  Output Arguments: None  Error Messages: If the review addition was unsuccessful or invalid  Files Accessed: None  Files Changed: Reviews (Database)  Modules Called: None  Narrative: A user elects to submit a negative review (or disapproval) of another user or group with whom he/she has done an activity. The newly created review is added to the database, but it is kept anonymous if the submitting user wishes. When activated, this function formats the approval listing with necessary information and sends it to the database to save it. |
| Module Name: Activity::post\_an\_activity  Module Type: Method  Return Type: None  Input Arguments: author, public (Boolean), date, time, text, activityTags, recurring (Boolean)  Output Arguments: None  Error Messages: If the activity post was unsuccessful or invalid  Files Accessed: None  Files Changed: Activities (Database)  Modules Called: None  Narrative: A user types a new post as a string and tags activities that it involves. He/she may mark it as public or private. The author, date, and time of the post are recorded as well. The user may mark the activity as recurring. The post is formatted properly and sent to the database to be saved and called upon later for display in news feeds. |
| Module Name: Activity::ask\_to\_join  Module Type: Method  Return Type: None  Input Arguments: askingUser, author, date, time, text  Output Arguments: None  Error Messages: If the join request was unsuccessful or invalid  Files Accessed: Activities, User (Database)  Files Changed: Activities, User (Database)  Modules Called: None  Narrative: A user sees an activity post in his/her news feed that is open to joiners and selects “join.” The join request is sent to the database so that the authoring user receives it the next time he/she logs in. |

1. Revision History

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| Person | Date Modified | Section | Description |
| Kim | 11/1 | Second half | First draft |
| Vince | 11/1 | First half | First draft |