NOTE TO DEVLOPERS: ALL EMAILS AND PASSWORDS HAVE TO BE VALIDATED BEFORE SENDING API CALL. The limits on length of items is included in the most recent DB.png. VARCHAR(255) = String of length 255. INTs are ALWAYS unsigned.

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| **SEARCH** |  |  |
| GET | /Search | Accepts strings, searches by individual words or in the usage of quotations around query, will search entire quotation in the case of a school or university. Returns array of USER\_json of possible results. Max possible size of array is 50 users. |
| POST | /Search | Takes SEARCH\_json of more advanced queries. Returns array of USER\_json of possible results. Max possible size of array is 50 users. |
| POST | /SearchFriends | Takes string and searches among the current user’s connections. Returns array of USER\_json of possible results. Max possible size of array is 50 users. |
| **ACCOUNT** |  |  |
| POST | /Account/Login | Takes LOGIN\_json, returns user\_id for session creation. If primary\_email does not match an account, returns -1. If primary\_email matches but password does not, returns 0. If account is deactivated, still logs in and returns user\_id. |
| POST | /Account/ForgotPW | Takes LOGIN\_json with null password, returns true if primary\_email exists and if reset password email sent, returns false if email does not exist or reset password was not sent. |
| POST | /Account/Logout | Removes user’s session from server, returns TRUE if successful, FALSE if not. |
| POST | /Account/Create | Takes initial CREATE\_json, fields can be null if user does not include all information. Primary\_email and password are mandatory. Returns new user\_id. |
| POST | /Account/Edit | Takes USER\_json, fields can be null if user does not include all information. Returns TRUE if completed successfully, FALSE if not. |
| POST | signup\_w\_fb  (THIS WILL BE DONE LAST DUE TO OAUTH ISSUES) | Responds with required OAuth authorization from Facebook to prompt user to login. Upon login, a USER\_json will be returned with possible information pulled from Facebook. The method create\_account will still have to be called to create the user. |
| POST | /Account/EditPW | Takes TWO LOGIN\_json. One with old password, another with the new password. Returns TRUE if completed successfully, FALSE if not. |
| POST | /Account/Deactivate | Takes LOGIN\_json. Deactivates account and removes user session. Returns TRUE if completed successfully, FALSE if not. |
| **FRIENDS** |  |  |
| POST | /Friend/Add | Takes ACCESS\_json and sends notification to other user to accept connection. Returns TRUE if completed successfully, FALSE if not. |
| POST | ~~/Friend/Accept~~  Use /Notification/Accept | Takes parameter connection\_id=INT and initiates the friend connection. Returns TRUE if completed successfully, FALSE if not. |
| POST | /Friend/Edit | Takes ACCESS \_json (connection\_id and new access settings required) and updates the friend connection. Returns TRUE if completed successfully, FALSE if not. |
| POST | /Friend/Remove | Takes parameter connection\_id=INT and deletes the connection. Other user sent notification of removal (Subject to change). Returns TRUE if completed successfully, FALSE if not. |
| **ADDRESS BOOK** |  |  |
| GET or POST | /View/AddressBook | Returns array of FRIENDS\_json. If optional parameter include\_groups=true, then returns an additional GROUPNAMES\_json. |
| GET | /View/Friend | Takes user\_id of friend, returns full USER\_json of that friend. |
| GET | /View/Group | Takes group\_id of group, returns full GROUP\_json of that group. |
| **GROUPS** |  |  |
| POST | /Group/Create | Takes GROUP\_json |
| POST | /Group/Edit | Takes GROUP\_json (The group\_id is required) and updates the group information. Current user must be an admin. Return TRUE if completed successfully, FALSE if not. |
| POST | /Group/Invite | Takes array of user\_id’s (ID\_EXAMPLE\_json for reference) wishing to invite. Users will be sent a notification to accept the invitation. Returns TRUE if completed successfully, FALSE if not. |
| POST | ~~/Group/Join~~  Use /Notification/Accept | Takes GROUPMEMER\_json (The group\_id and user\_id are required) and adds that the user to the group. Return TRUE if completed successfully, FALSE if not. |
| POST | /Group/Leave | Takes GROUPMEMER\_json (The group\_id and user\_id are required) and removes that the user to the group. Can be used by admin to forcibly remove users from a group. Return TRUE if completed successfully, FALSE if not. |
| **NOTIFICATIONS** |  |  |
| GET | /Notifications/View | Returns an array of NOTIFICATIONS\_json. |
| POST | /Notifications/Accept | Takes single NOTIFICATION\_json (only connection\_id required). Returns TRUE if completed successfully, FALSE if not. |
| POST | /Notifications/Deny | Takes single NOTIFICATION\_json (only connection\_id required). Returns TRUE if completed successfully, FALSE if not. |