

Event Management Server Application Communication Protocol

**Different Program Components:**

(g) General

(l) Lodging

(e) Events

(a) Agendas

(y) Employee

(r) Reservations

*The above is subject to change at any time.*

**Server Application Command Parser**

*Basic format: <component>;<update/fetch>;<component based command>*

***Examples:***

**g;f;i?emadmindev?emsnowfin2017** *🡪 Attempts to login emadmindev with the password emsnowfin2017*

**g;u;j?emadmindev?emsnowfin2017?pass** *🡪 Changes password for emadmindev with old password emsnowfin2017 to pass*

**l;f;m?1?2?1?2018-06-28?2018-06-30?13:00?8:30** *🡪 Attempts to create a room reservation under the group with id ‘1’ in the building with id ‘2’ for room with id ‘3’ from 2018-06-28 to 2018-06-30 with a check in of 12pm and check out of 8:30am.*

***Full List:***

*Note: Anything surrounded in < > is an entry you provide, text in () is a literal string.*

|  |  |  |  |
| --- | --- | --- | --- |
| ***Component*** | ***Update/Fetch*** | ***Component Based Subcommand*** | ***Component Based Subcommand Options*** |
| (g) general | (f) fetch | (i) login | (?)<username>(?)<hashedpassword> |
| (g) general | (u) update | (m) create new user with no privileges | (?)<username>(?)<First Name>(?)  <Last Name>(?)<Email Address>(?)<Phone Number>(?~~~)<hashedpassword> |
| (g) general | (u) update | (o) change user privileges | (?)<username>(?)<isAdmin>(?)<isManager>(?)<isEmployee>  (?)<isOutsideManager>(?)<isGroupContact>  (?)<isOutsideVendor> |
| (g) general | (u) update | (j) change user password with given old password | (?)<username>(?)<old password>(?)<new password> |
| (g) general | (u) update | (f) change user password forcefully (must be manager or admin) | (?)<username>(?)<new password> |
| (g) general | (u) update | (d) disable user account (must be reactivated by admin) | (?)<username> |

**Client Application Command Parser**

*Basic format: <component>;<success/fail>;<component based command>*

***Full List:***

*Note: Anything surrounded in < > is an entry you provide, text in () is a literal string.*

|  |  |  |  |
| --- | --- | --- | --- |
| ***Component*** | ***Success/Fail*** | ***Component Based Subcommand*** | ***Component Based Subcommand Options*** |
| (g) general | (s) success | (b) post to board (display message to client) | (?)<message> |
| (g) general | (f) fail | (b) post server failure to board (display message to client) | (?)<server failure message> |
| (g) general | (s) success | (i) completed login, store user details | (?)<username>(?)<First Name>(?)  <Last Name>(?)<Email Address>(?)<Phone Number>(?)<isAdmin>(?)<isManager>(?)<isEmployee>  (?)<isOutsideManager>(?)<isGroupContact>  (?)<isOutsideVendor> |
| (g) general | (f) fail | (i) login not completed | (?)<username>(?)<Error details> |
| (g) general | (s) success | (m) created login, store user details | (?)<username>(?)<First Name>(?)  <Last Name>(?)<Email Address>(?)<Phone Number>(?)<isAdmin>(?)<isManager>(?)<isEmployee>  (?)<isOutsideManager>(?)<isGroupContact>  (?)<isOutsideVendor> |
| (g) general | (f) fail | (m)create login not completed | (?)<Error details> |
| (g) general | (s) success | (o) user detail update, store user details | (?)<username>(?)<First Name>(?)  <Last Name>(?)<Email Address>(?)<Phone Number>(?)<isAdmin>(?)<isManager>(?)<isEmployee>  (?)<isOutsideManager>(?)<isGroupContact>  (?)<isOutsideVendor> |
| (g) general | (f) fail | (o) failed user detail update | (?)<username>(?)<Error details> |
| (g) general | (s) success | (j) changed password using old password | (?)<username> |
| (g) general | (f) fail | (j) couldn’t change password using old password | (?)<username>(?)<Error details> |
| (g) general | (s) success | (f) changed user password forcefully | (?)<username> |
| (g) general | (f) fail | (f) couldn’t change user password forcefully | (?)<username>(?)<Error details> |
| (g) general | (s) success | (d) disabled user account | (?)<username> |
| (g) general | (f) fail | (d) couldn’t disable user account | (?)<username>(?)<Error details> |