Move Alarm API

API Data formats

1. String format : normal text
2. JSON
   1. JSON normal string

**{“name” : “Move Alarm”, “subject” : “OOAD”}**

**Variable name**

**Value**

**Comma ( “,” ) section between variable**

**colon ( “:” ) section between variable name and value**

* 1. JSON normal string with array

**Array index 0**

**Array name**

**Array index 1**

**{“name” : “Move Alarm”, “subject” : [{“name” : “OOAD”, “credit” : “3”}, {“name” : “SE”, “credit” : “3”}]}**

* 1. JSON inform of Move Alarm API Object

**Other attributes**

**Every objects have its class name**

**{“className” : “Group”, “members” : [{“name” : “A”, “age” : “15”}, {“name” : “B”, “age” : “30”}]}**

* 1. JSON inform of Process Status Description Format (PSDF)

**Description of status of process**

**Status of process (true of false)**

**{“status” : “false”, “description” : “An error has occurred while saving the data to the database”}**

* 1. JSON inform of Process Status Description Format (PSDF) with normal string

**{“status” : “false”, “description” : “An error has occurred while saving the data to the database”, “username” : ”AKB48}**

**Other attributes**

Server Status API

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| **API description** | **url** | **Method** | **Parameters** | **Actual parameters** | **Returned value** | **Actual returned values** |
| **Check server connection** | /test/serverConnection | GET |  |  | **JSON** | **PSDF** |
| **Check connection between API server and database server** | /test/databaseServerConnection | GET |  |  | **JSON** | **PSDF** |
| **Test sending parameter to API server** | /test/passParameter | GET/POST | **String** param | **String** param | **JSON** | **String** param + **PSDF** |
| **Test querying data from database server to API server** | /test/queryingData | GET |  |  | **JSON** | **String** data + **PSDF** |

User API

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| **API description** | **url** | **Method** | **Parameters** | **Actual parameters** | **Returned value** | | **Actual returned values** |
| **Find user by an id** | /user/findByID | POST | **int** id | **int** id | **JSON** | | **User** + **PSDF** |
| **Find user by condition** | /user /findByWhere | POST | **String** columnName, operator, value | **String** columnName, operator, value | **JSON** | | **User**[] users + **PSDF** |
| **Find user by ranking** | /user /findByRank | POST | **String** startRank, endRank | **String** startRank, endRank | **JSON** | | **User**[] users + **PSDF** |
| **Get all users** | /user /getAllUsers | GET |  |  | **JSON** | | **User**[] users + **PSDF** |
| **Create new user** | /user /createUser | POST | **String** JSON | **User** user | **JSON** | | **User user + PSDF** |
| **Update or change user’s fields** | /user /updateUser | POST | **String** JSON | **User** user | **JSON** | | **PSDF** |
| **Change user’s password** | /user /changePassword | POST | **String** JSON | **User** user  **String** oldPassword, newPassword, confirmPassword | **JSON** | | **PSDF** |
| **Delete a user** | /user/delete | POST | **String** JSON | **User** user | **JSON** | | **PSDF** |
| **Count every user in database** | /user /countAllUsers | GET |  |  | **JSON** | | **User**[] users + **PSDF** |
| **Check user’s rank** | /user /getUserRank | POST | **String** JSON | **User** user | **String** | | **int** |
| **API description** | **url** | **Method** | **Parameters** | **Actual parameters** | | **Returned value** | **Actual returned values** |
| **Increase user’s score** | /user /increaseScore | POST | **String** JSON | **User** user  **int** score  **String** description | | **String** JSON | **PSDF** |
| **Decrease user’s score with description** | /user /decreaseScore | POST | **String** JSON | **User** user  **int** score  **String** description | | **String** JSON | **PSDF** |
| **Reset user’s score** | /user/resetScore | POST | **String** JSON | **User** user | | **String** JSON | **PSDF** |
| **login** | /user/login | POST | **String** userName, password | **String** userName, password | | **String** JSON | **User** user + **Group** group **+ PSDF** |
| **Login with Facebook** | /user/loginFacebook | POST | **String** facebookID, facebookFirstName | **String** facebookID, facebookFirstName | | **String** JSON | **User** user + **Group** group **+ PSDF** |
| **Get progress log by user** | /userProgress/getByUser | POST | **String** JSON | **User** user | | **String** JSON | **UserActivityProgress** progress **+ PSDF** |
| **Save progress to database** | /userProgress/update | POST | **String** JSON | **User** user  **UserActivityProgress** activityProgress | | **String** JSON | **PSDF** |

Group API

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| **API description** | **url** | **Method** | **Parameters** | **Actual parameters** | **Returned value** | | **Actual returned values** |
| **Find group by an id** | /group/findByID | POST | **int** id | **int** id | **String** JSON | | **Group** + **PSDF** |
| **Find group by condition** | /group /findByWhere | POST | **String** columnName, operator, value | **String** columnName, operator, value | **String** JSON | | **Group**[] groups + **PSDF** |
| **Find group by ranking** | /group /findByRank | POST | **String** startRank, endRank | **String** startRank, endRank | **String** JSON | | **Group**[] groups + **PSDF** |
| **Get all group** | /group /getAllGroups | GET |  |  | **String** JSON | | **Group**[] groups + **PSDF** |
| **Create new group** | /group /createGroup | POST | **String** JSON | **Group** group | **String** JSON | | **PSDF** |
| **Update or change group’s fields** | /group /updateGroup | POST | **String** JSON | **Group** group | **String** JSON | | **PSDF** |
| **Delete a group** | /group/delete | POST | **String** JSON | **Group** group | **String** JSON | | **PSDF** |
| **Check group’s rank** | /group /getGrouprRank | POST | **String** JSON | **Group** group | **String** JSON | | **int** |
| **Increase group’s score** | /group /increaseScore | POST | **String** JSON | **Group** group  **int** score  **String** description | **String** JSON | | **PSDF** |
| **Decrease group’s score with description** | /group /decreaseScore | POST | **String** JSON | **Group** group  **int** score  **String** description | **String** JSON | | **PSDF** |
| **Reset group’s score** | /group/resetScore | POST | **String** JSON | **Group** group | **String** JSON | | **PSDF** |
| **API description** | **url** | **Method** | **Parameters** | **Actual parameters** | | **Returned value** | **Actual returned values** |
| **Delete a member** | /group /deleteMember | POST | **String** JSON | **Group** group  **User** member | | **String** JSON | **PSDF** |
| **Add a member** | /group / addMember | POST | **String** JSON | **Group** group  **User** member | | **String** JSON | **PSDF** |
| **Get progress log by group** | /groupProgress/getByGroup | POST | **String** JSON | **Group** group | | **String** JSON | **GroupActivityProgress** progress **+ PSDF** |
| **Save progress to database** | /groupProgress/update | POST | **String** JSON | **Group** group  **GroupActivityProgress** activityProgress | | **String** JSON | **PSDF** |

Event API

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| **API description** | **url** | **Method** | **Parameters** | **Actual parameters** | **Returned value** | **Actual returned values** |
| **Get activity event** | /event/getEvent | GET |  |  | **String** JSON | **Date** time **+ Posture[]** postures |