Move Alarm API

API Data formats

1. String format : normal text

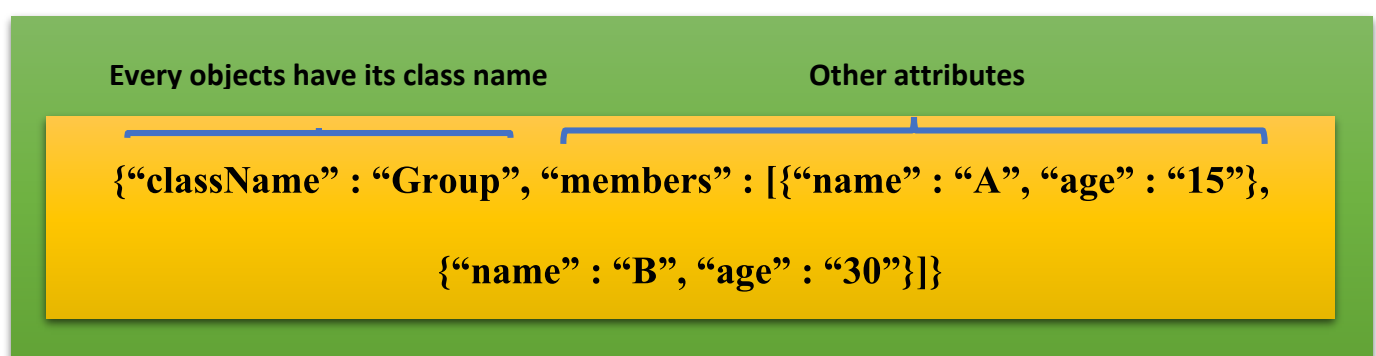2. JSON

   2.1. JSON normal string

Variable name   **Value**

{"name" : "Move Alarm", "subject" : "OOAD"}

colon (":") section
between variable

Comma (",") section
between variable
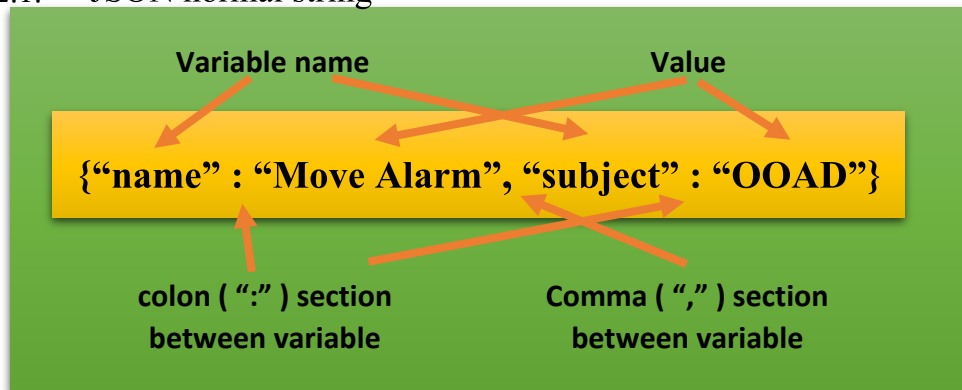
   2.2. JSON normal string with array

Array name   **Array index 0**

{"name" : "Move Alarm", "subject" : [{"name" : "OOAD", "credit" : "3"},

{"name" : "SE", "credit" : "3"}]}

Array index 1
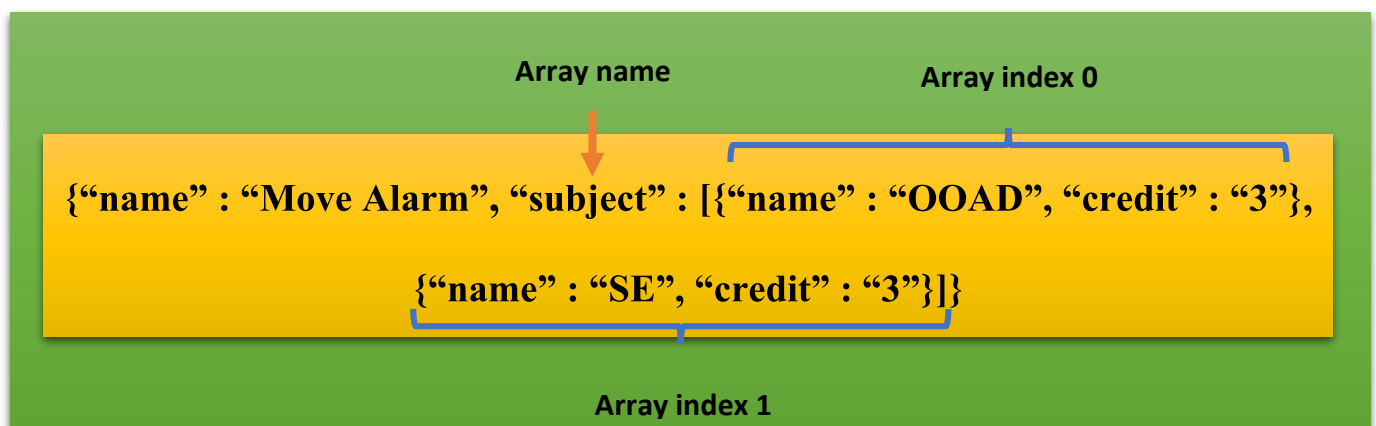
   2.3. JSON inform of Move Alarm API Object

Every objects have its class name   **Other attributes**

{"className" : "Group", "members" : [{"name" : "A", "age" : "15"},

{"name" : "B", "age" : "30"}]}

2.4. JSON inform of Process Status Description Format (PSDF)

Status of process (true of false)

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

Description of status of process

2.5. 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

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

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 /changePasswor d	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 + **PSDF**
Create progress log	/userProgress/createLog	POST	**String** JSON	**User** user **UserActivityProgress** activityProgress	**String** JSON	**PSDF**
Get progress log by user	/userProgress/getByUser	POST	**String** JSON	**User** user	**String** JSON	**UserActivityProgress** progress + **PSDF**
Update progress to database	/userProgress/update	POST	**String** JSON	**User** user **UserActivityProgress** activityProgress	**String** JSON	**PSDF**

Group API

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**
Create progress log	/userProgress/createLog	POST	**String** JSON	**Group** user **GroupActivityProgress** activityProgress	**String** JSON	**PSDF**
Get progress log by group	/groupProgress/ getByGroup	POST	**String** JSON	**Group** group	**String** JSON	**GroupActivityProgress** progress + **PSDF**
Update progress to database	/groupProgress/ update	POST	**String** JSON	**Group** group **GroupActivityProgress** activityProgress	**String** JSON	**PSDF**

Event API

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