**Student Study Rooms API Documentation**

TEAM3

**Login Page**

* **Sign up a user by school email address**

Function: signupPage/**signupByEmail**

Request Method: POST

Response Format: JSON

Implementation Status: O

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| USER\_EMAIL | String | O | Email address |
| USER\_NAME | String | O | User visible name |
| PASSWORD | String | O | Password |
| CHK\_PASSWORD | String | O | Confirm password |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |
| USER\_EMAIL | String | O | Email address |
| USER\_NAME | String | O | User visible name |

* **Login a user by school email address**

Function: loginPage/**loginByEmail**

Request Method: POST

Response Format: JSON

Implementation Status: O

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| USER\_EMAIL | String | O | Email address |
| PASSWORD | String | O | Password |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |
| USER\_EMAIL | String | O | Email address |
| USER\_NAME | String | O | User visible name |

* **Logout a user account**

Function: loginPage/**logoutUserAcc**

Request Method: POST

Response Format: JSON

Implementation Status: O

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| USER\_EMAIL | String | O | Email address |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |

* **Delete a user account by email address and password**

Function: loginPage/**deleteUserAccByEmailAddrAndPwd**

Request Method: POST

Response Format: JSON

Implementation Status: X

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| USER\_EMAIL | String | O | Email address |
| PASSWORD | String | O | Password |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |

* **Change user account password**

Function: signupPage/**changeUserAccPwd**

Request Method: POST

Response Format: JSON

Implementation Status: X

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| USER\_EMAIL | String | O | Email address |
| EXISTING\_PWD | String | O | Existing password |
| NEW\_PWD | String | O | New password |
| CHK\_NEW\_PWD | String | O | Confirm new pwd |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |

* **Find Password by email address(Verification through email)**

Function: signupPage/**forgetUserAccPwd**

Request Method: POST

Response Format: JSON

Implementation Status: O

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| USER\_EMAIL | String | O | Email address |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail Reason(if fail) |

**Admin Page**

* **Create a room and then save its initial information to DB**

Function: **createRoom**

Request Method: POST

Response Format: JSON

Implementation Status: X

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| ROOM\_TYPE | Int | O | 0:study 1:breakout |
| ADMIN\_EMAIL | String | O | Admin user email address |
| ROOM\_CAPACITY | Int | O | # of users accepted in the room |
| DATE\_TIME | String | O | Date&Time the room was created |
| ROOM\_PWD | String | X | Room pwd |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |
| ROOM\_ID | String | O | Room id |
| ADMIN\_EMAIL | String | O | Admin user email address |
| ROOM\_CAPACITY | Int | O | # of users accepted |

* **Update room information by room id**

Function: **updateRoomByRoomId**

Request Method: POST

Response Format: JSON

Implementation Status: X

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| ROOM\_TYPE | Int | O | 0:study 1:breakout |
| ROOM\_ID | String | O | Room id |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |
| UPDATED\_INFO | JSON | O | Ex. # of users joining room, admin user … |

* **Remove room information by room id**

Function: **removeRoomByRoomId**

Request Method: POST

Response Format: JSON

Implementation Status: X

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| ROOM\_TYPE | Int | O | 0:study 1:breakout |
| ROOM\_ID | String | O | Room id |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |

* **Assign roles to users**

Function: **assignRolesToUsers**

Request Method: POST

Response Format: JSON

Implementation Status: X

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| USER\_EMAIL | String | O | A user assigned a role |
| ROLE\_TYPE | String | O | Role type |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |

* **Ban a user by email address**

Function: adminPage/**banUserByEmail**

Request Method: POST

Response Format: JSON

Implementation Status: X

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| USER\_EMAIL | String | O | Banned user |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |

* **Invite a user by email**

Function: **inviteUserByEmail**

Request Method: POST

Response Format: JSON

Implementation Status: X

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| USER\_EMAIL | String | O | Invited user |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |

**Classroom Page**

* **Join a room by room id**

Function: **joinRoomByRoomId**

Request Method: POST

Response Format: JSON

Implementation Status: X

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| USER\_EMAIL | String | O | User email |
| ROOM\_ID | String | O | Room id |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |

* **Get user information by email address**

Function: **getUserInfoByEmail**

Request Method: POST

Response Format: JSON

Implementation Status: X

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| USER\_EMAIL | String | O | User email |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |
| USER\_INFO | JSON | O | User information |

* **Get all room information**

Function: **getAllRoomInfo**

Request Method: POST

Response Format: JSON

Implementation Status: X

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| X | X | X | X |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |
| ALL\_ROOMS\_INFO | JSON | O | All rooms info |

* **Get room information by room id**

Function: **getRoomInfoByRoomId**

Request Method: POST

Response Format: JSON

Implementation Status: X

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| ROOM\_ID | String | O | Room id |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |

**Chat Room Page**

* **Create socket server (create socket server when a chat room is created)**

Function: **createSocServForStudyRoom**

Request Method: POST

Response Format: JSON

Implementation Status: X

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| X | X | X | X |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |

* **Close socket server (when there is no one in a study room)**

Function: **closeSocServ**

Request Method: POST

Response Format: JSON

Implementation Status: X

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| X | X | X | X |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |

* **Write(save) users’ conversation on log file**

Function: **writeUserConvOnLog**

Request Method: POST

Response Format: JSON

Implementation Status: X

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| X | X | X | X |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |

* **Send Direct Msg**

Function: **sendDirectMsg**

Request Method: POST

Response Format: JSON

Implementation Status: X

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| FROM\_USER | String | O | A user sending msg |
| TO\_USER | String | O | A user receiving msg |
| COTENT | String | O | Message |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |
| FROM\_USER | String | O | A user sending msg |
| TO\_USER | String | O | A user receiving msg |
| CONTENT | String | O | Message |

* **Receive Direct Msg**

Function: **receiveDirectMsg**

Request Method: POST

Response Format: JSON

Implementation Status: X

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Type | Required | Description |
| USER\_EAMIL | String | O | A user receiving msg |

Response Data

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Type | Required | Description |
| RESULT | String | O | SUCCESS or FAIL |
| REASON | String | X | Fail reason(if fail) |
| FROM\_USER | String | O | A user sending msg |
| TO\_USER | String | O | A user receiving msg |
| CONTENT | String | O | Message |