## User

### Login

1. Description

|  |
| --- |
| The login interface for supervisors |

1. Request URL

|  |
| --- |
| /api/user/login |

1. Request Methods

|  |
| --- |
| POST |

1. Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| email | yes | String | The email of supervisors |
| password | yes | String | The password of supervisors |

1. Return example

{

"stauts": 0,

"msg": "success",

"data": {

"UID": "1",

"username": "12154545",

"email": "1231231@gmail.com",

"role": "supervisor",

"password": null,

}

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected. Login fail.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “success”  2. “error”  3. specific message for different status and problem. |
| data | User object(json) | Meaning: the return data of this request. |
| Value:  The object including UID, email, username for current supervisor. |

### Reset username

1. Description

|  |
| --- |
| The username reset interface for user |

1. Request URL

|  |
| --- |
| /api/user/resetUsername |

1. Request Methods

|  |
| --- |
| POST |

1. Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| UID | yes | Int | The UID of current user. |
| username | yes | String | The username that current user want to reset to. |

1. Return example

{

"status": 0,

"msg": " Successful reset!",

"data": {}

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected. Login fail.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “Successful reset!”  2. "The user does not exist!": warning message  3. "Reset fail!": error message for MySQL update.  4. "Input Empty!": error message for input. |
| data | null | Meaning: the return data of this request. |
|  |

## Quiz for supervisor

### Quiz List

1. Description

|  |
| --- |
| The quiz list interface for supervisors |

1. Request URL

|  |
| --- |
| /api/quiz/superQuizList/{UID} |

1. Request Methods

|  |
| --- |
| GET |

1. Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| UID | yes | int | The UID of current supervisor |

1. Return example

{

"stauts": 0,

"msg": "success",

"data": {

"public": [

{"QID":1, "topic":"topic1","overview":"quiz1 description ","status":2,"creatorID":1},

{"QID":2, "topic":"topic2","overview":"quiz2 description ","status":2,"creatorID":1}],

"private": [

{"QID":3, "topic":"topic3","overview":"quiz3 description ","status":0,"creatorID":1},

{"QID":4, "topic":"topic4","overview":"quiz4 description ","status":1,"creatorID":2}],

}

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “success”  2. “error”  3. specific message for different status and problem. |
| data | HashMap object(json) | Meaning: the return data of this request. |
| Value:  A HashMap including two json list: “public” and “private”. The first one is the public quiz list created by current supervisor, the second one is the private quiz list. |

### Get Quiz

1. Description

|  |
| --- |
| The single quiz |

1. Request URL

|  |
| --- |
| /api/quiz/getQuiz/{QID} |

1. Request Methods

|  |
| --- |
| GET |

1. Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| QID | yes | int | The key of the Quiz |

1. Return example

{

"stauts": 0,

"msg": "success",

"data": {"topic":"study2","overview":"234","status":3,"creatorID":2,"qid":2},

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “success”  2. “error”  3. specific message for different status and problem. |
| data | Quiz object(json) | Meaning: the return data of this request. |
| Value:  A quiz including QID, topic, overview, status and creatorID. |

### Get Questions

1. Description

|  |
| --- |
| Return the Question list of a single quiz. |

1. Request URL

|  |
| --- |
| /api/quiz/ getQuestion/{QID} |

1. Request Methods

|  |
| --- |
| GET |

1. Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| QID | yes | int | The key of the responding Quiz |

1. Return example

{

"stauts": 0,

"msg": "success",

"data": [

{"qID":101,

"qContent":"a",

"options":[{"content":"aaaaaa","point":1},

{"content":"bbbbbb","point":2}],

"quizID": 1

},

{"qID":102,

"qContent":"b",

"options":[{"content":"aaaaaa","point":1},

{"content":"bbbbbb","point":2}],

"quizID": 1

}

],

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “success”  2. “error”  3. specific message for different status and problem. |
| data | Question object list (json) | Meaning: the return data of this request. |
| Value:  A question list, each item including qID, qContent, options(an option object list) and quizID. |

### Get Questions

1. Description

|  |
| --- |
| Return the Feedback list of a single quiz. |

1. Request URL

|  |
| --- |
| /api/quiz/ getFeedback/{QID} |

1. Request Methods

|  |
| --- |
| GET |

1. Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| QID | yes | int | The key of the responding Quiz |

1. Return example

{

"stauts": 0,

"msg": "success",

"data": [

{"FID":11,"scoreRange":"0;10","remark":"asd","quiz\_feed\_ID":1},

{"FID":12,"scoreRange":"10;20","remark":"sdf","quiz\_feed\_ID":1}

],

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “success”  2. “error”  3. specific message for different status and problem. |
| data | Feedback object list (json) | Meaning: the return data of this request. |
| Value:  A feedback list, each item including FID, scoreRange, remark and quiz\_feed\_ID. |

### Create/Update/Delete Quiz information

1. Description

|  |
| --- |
| The quiz creation and information update for supervisors |

1. Request URL

|  |
| --- |
| /api/quiz/setQuiz |

1. Request Methods

|  |
| --- |
| POST |

1. Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| QID | no | int | The key of Quiz   1. For creation: not need to provide this. 2. For update: provide the QIDs of quizzes that need to be update. |
| topic | yes | String |  |
| overview | yes | String |  |
| creatorID | yes | int | The UID of current supervisor |
| status | no | int | The status of Quiz  Only needed for deletion. Please give 4 as its value. |

1. Return example

{

"stauts": 0,

"msg": "Successful creation!",

"data": 6

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “Input empty!”: do not receive input.  2. “Successful creation!”: creation completed successful.  3. “Insert fail!”: creation fail.  4. “Successful update!”: update completed successful.  5. “update fail!”: update fail.  6. “Successful delete!”: deletion completed successful.  7. “deletion fail!”: deletion fail. |
| data | User object(json) | Meaning: the return data of this request. |
| Value:  For creation, the value of data is the QID of the new Quiz. |

### Create/Update/Delete Each Question

1. Description

|  |
| --- |
| One question creation, information update and delete for supervisors |

1. Request URL

|  |
| --- |
| /api/quiz/setQuestion |

1. Request Methods

|  |
| --- |
| POST |

1. Arguments:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| qID | no | int | The key of Question   1. For creation: not need to provide this. 2. For update: provide the qID of question that need to be update. 3. For delete: provide the qID of question that need to be delete. |
| qContent | no | String | Not need in deletion |
| options | no | String | Not need in deletion |
| quizID | no | int | The QID of the Quiz that current question belongs to.   1. For creation: provide the QID of corresponding quiz. 2. For update: provide the QID of corresponding quiz. 3. For delete: not need to provide this. |

1. Return example

{

"stauts": 0,

"msg": "Successful update!",

"data": {}

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “Input empty!”: do not receive input.  2. “Successful update!”: creation, update or deletion completed successful.  3. “Update fail!”: creation or update fail.  4. “Delete fail!”: deletion fail. |
| data | User object(json) | Meaning: the return data of this request. |
| Value: |

### Create/Update/Delete Each Feedback

1. Description

|  |
| --- |
| One feedback creation, information update and delete for supervisors |

1. Request URL

|  |
| --- |
| /api/quiz/ setFeedback |

1. Request Methods

|  |
| --- |
| POST |

1. Arguments:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| FID | no | int | The key of Feedback   1. For creation: not need to provide this. 2. For update: provide the FID of feedback that need to be update. 3. For delete: provide the FID of feedback that need to be delete. |
| scoreRange | no | String | Not need in deletion |
| remark | no | String | Not need in deletion |
| quiz\_feed\_ID | no | int | The QID of the Quiz that current feedback belongs to.   1. For creation: provide the QID of corresponding quiz. 2. For update: provide the QID of corresponding quiz. 3. For delete: not need to provide this. |

1. Return example

{

"stauts": 0,

"msg": "Successful update!",

"data": {}

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “Input empty!”: do not receive input.  2. “Successful update!”: creation, update or deletion completed successful.  3. “Update fail!”: creation or update fail.  4. “Delete fail!”: deletion fail. |
| data | User object(json) | Meaning: the return data of this request. |
| Value: |

### Check and Correct Quiz Status

1. Description

|  |
| --- |
| The quiz status correction of current quiz for supervisors |

1. Request URL

|  |
| --- |
| /api/quiz/checkQuizStatus/{QID} |

1. Request Methods

|  |
| --- |
| GET |

1. Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| QID | yes | int | The key of Quiz. |

1. Return example

{

"stauts": 0,

"msg": " Quiz status check pass!",

"data": {}

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “Input empty!”: do not receive input.  2. “Quiz status check pass!”: check and correct completed successful.  3. “Fail! Status check fail!”: check operation fail. |
| data | User object(json) | Meaning: the return data of this request. |
| Value: |

### Make quiz public/private/edit

1. Description

|  |
| --- |
| The function to change quiz status of current quiz for supervisors |

1. Request URL

|  |
| --- |
| /api/quiz/setQuizStatus |

1. Request Methods

|  |
| --- |
| POST |

1. Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| QID | yes | int | The key of Quiz. |
| status | yes | int | The status value that will effective future.   1. make quiz public: status=3 2. make quiz private: status=2 3. make quiz edit: status=1 |

1. Return example

{

"stauts": 0,

"msg": " Quiz public success!",

"data": {}

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “Input empty!”: do not receive input.  2. "Quiz public success!"  3. "Quiz private success!"  4. "Quiz status protection success!": make quiz edit successful.  5. “Operation cancel!...”: The current status is as required. Not need to change.  6. "The quiz is not exist!": The quiz has been deleted.  7. “Fail! Status change fail!”: change operation fail. |
| data | User object(json) | Meaning: the return data of this request. |
| Value: |

### Multiple Create/Update Question

1. Description

|  |
| --- |
| The whole page questions creation and information update for supervisors |

1. Request URL

|  |
| --- |
| /api/quiz/ setMeltiQuestion |

1. Request Methods

|  |
| --- |
| POST |

1. Arguments: **A json list including each json object as below**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| qID | no | int | The key of Question   1. For creation: not need to provide this. 2. For update: provide the qIDs of questions that need to be update. |
| qContent | yes | String |  |
| options | yes | String |  |
| quizID | yes | int | The QID of the Quiz that current questions belongs to. |

1. Return example

{

"stauts": 0,

"msg": "Successful update!",

"data": {}

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “Input empty!”: do not receive input.  2. “Successful update!”: creation or update completed successful.  5. “update fail!”: creation or update fail.  6. “Fail! delete fail!”: the deletion of abandoned questions is fail. |
| data | User object(json) | Meaning: the return data of this request. |
| Value: |

### Multiple Create/Update Feedback

1. Description

|  |
| --- |
| The whole page feedbacks creation and information update for supervisors |

1. Request URL

|  |
| --- |
| /api/quiz/ setMeltiFeedback |

1. Request Methods

|  |
| --- |
| POST |

1. Arguments: **A json list including each json object as below**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| FID | no | int | The key of Feedback   1. For creation: not need to provide this. 2. For update: provide the FIDs of feedbacks that need to be update. |
| scoreRange | yes | String |  |
| remark | yes | String |  |
| quiz\_feed\_ID | yes | int | The QID of the Quiz that current feedbacks belongs to. |

1. Return example

{

"stauts": 0,

"msg": "Successful update!",

"data": {}

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “Input empty!”: do not receive input.  2. “Successful update!”: creation or update completed successful.  5. “update fail!”: creation or update fail.  6. “Fail! delete fail!”: the deletion of abandoned questions is fail.  7. “Fail! Status change fail!”: the change operation of quiz that current feedbacks belongs to is fail. |
| data | User object(json) | Meaning: the return data of this request. |
| Value: |

## Quiz for LEC

### Quiz List

1. Description

|  |
| --- |
| The quiz list interface for LECs |

1. Request URL

|  |
| --- |
| /api/quiz/ lecQuizList |

1. Request Methods

|  |
| --- |
| POST |

1. Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
|  |  |  |  |

1. Return example

{

"stauts": 0,

"msg": "success",

"data": [

{"topic":"study2","overview":"234","status":3,"creatorID":2,"QID":2},

{"topic":"topic1","overview":"overview1","status":3,"creatorID":1,"QID":4} ],

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “success”  2. “error”  3. specific message for different status and problem. |
| data | User object(json) | Meaning: the return data of this request. |
| Value:  A quiz list including all published quizzes. |

## Get FeedBack

### Get feedback by score and QID

1. Description

|  |
| --- |
| Get feedback by score and QID |

1. Request URL

|  |
| --- |
| /api/quiz/ getFeedback/{QID}/{score} |

1. Request Methods

|  |
| --- |
| GET |

1. Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| QID |  | Int | quizID |
| Score |  | Int |  |

1. Return example

{

"stauts": 0,

"msg": "success",

"data": [

{"topic":"study2","overview":"234","status":3,"creatorID":2,"QID":2},

{"topic":"topic1","overview":"overview1","status":3,"creatorID":1,"QID":4} ],

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “success”  2. “error”  3. specific message for different status and problem. |
| data | Feedback object(json) | Meaning: the return data of this request. |
| Value: |

## Save Record

### Save record

1. Description

|  |
| --- |
| Save record |

1. Request URL

|  |
| --- |
| /api/record/saveRecord/{RID} |

1. Request Methods

|  |
| --- |
| POST |

1. Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| QID |  | Int | quizID |
| recordVO |  | RecordVO |  |

1. Return example

{

"stauts": 0,

"msg": "success",

"data": 1

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “success”  2. “error”  3. specific message for different status and problem. |
| data | int | Meaning: the return data of this request. |
| Value:RID |

## Save share

### Save share

1. Description

|  |
| --- |
| Save share |

1. Request URL

|  |
| --- |
| /api/record/saveShare/{RID} |

1. Request Methods

|  |
| --- |
| POST |

1. Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| QID |  | Int | quizID |
| Share |  | Share |  |
| recordVO |  | RecordVO |  |

1. Return example

{

"stauts": 0,

"msg": "success",

"data": 1

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “success”  2. “error”  3. specific message for different status and problem. |
| data | int | Meaning: the return data of this request. |
| Value:RID |

## Record share for supervisor

### Received feedback List

1. Description

|  |
| --- |
| The shared feedback list interface for supervisors |

1. Request URL

|  |
| --- |
| /api/record/sharedList/{UID} |

1. Request Methods

|  |
| --- |
| GET |

1. Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| UID | yes | int | The UID of current supervisor |

1. Return example

{

"status": 0,

"msg": "success",

"data": [

{"username":"LEC1","rdate":"2021-10-06","rtopic":"topic1","sid":1},

{"username":"Anonymous","rdate":"2021-10-06","rtopic":"ano","sid":3}

]

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “success”  2. "Input empty!": the error message.  3. "No LEC feedback now.": the warning message for no feedback supervisor. |
| data | Json object list | Meaning: the return data of this request. |
| Value:  Shared feedback list. Each shared feedback includes the ‘sid’ of this shared record, ‘username’ of the sender, the quiz completed date ‘rdate’ and the quiz topic ‘rtopic’. |

### Get specific shared feedback for supervisor

1. Description

|  |
| --- |
| The shared feedback interface for supervisors |

1. Request URL

|  |
| --- |
| /api/record/getSharedFeedback/{SID} |

1. Request Methods

|  |
| --- |
| GET |

1. Arguments

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Mandatory | Type | Description |
| SID | yes | int | The SID of current shared feedback. |

1. Return example

{

"status": 0,

"msg": "success",

"data": {

"quizContent":[

{"option":"option 1","qcontent":"question 1"},

{"option":"option 2","qcontent":"question 2"}

],

"savedReflection":"this is share1.",

"userID":0,

"rid":1,

"rfeedback":"record 1 feedback",

"rdate":null,

"rtopic":null}

}

1. Description of return value

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| status | int | Meaning: the status code of this request. |
| Value:  1. “0” : operation success  2. “400”: operation is rejected.  3. “500”: system error. |
| msg | String | Meaning: the status message of this request. |
| Value:  1. “success”  2. "Input empty!": the error message.  3. " This shared record is not exist.": the warning message. |
| data | Json object | Meaning: the return data of this request. |
| Value:  A shared feedback includes the quiz option and selection from current sender ‘quizContent’, the cooresponding feedback of this completed quiz ‘rfeedback’, the shared diary ‘savedReflection’, and the id of this shared record ‘rid’.  Tips: the value of ‘userID’, ‘rdate’ and ‘rtopic’ is invalid. No need to accept them. |