## 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. |

## 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

|  |
| --- |
| Interface for getting feedback by score |

1. Request URL

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

1. Request Method

|  |
| --- |
| Get |

1. Return Example

FeedBack