# API design v0.1

1. ~~Create user (Deprecated)~~

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| --- | --- |
| Description | create a user, then add the user to sessions, mark him as signed in. |
| URL | /users |
| Request Method | POST |
| Request Header | Empty, maybe add some security token in next sprint |
| Request Body | {osu\_id, last\_name, first\_name, role} |
| Return Value | User info {id, osu\_id, last\_name, first\_name, role, session\_id} |
| Return Code | Success: 201, Failure: 403 |

1. Sign in

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| --- | --- |
| Description | Every OSU student can sign in the system. If he is not in our user table, add him to the user table. Then add the user to sessions, mark him as signed in.  If the parameter ‘role’ == 2, query the user table and check whether he is in the user table and role is admin. If not, return failure code. |
| URL | /sessions |
| Request Method | POST |
| Request Header | Empty, maybe add some security token in next sprint |
| Request Body | {‘osu\_id’:’max’, ‘role’: ‘1’}  role: 2-admin, 1/0-not admin |
| Return Value | {  ‘user\_info’:  {‘id’: ‘001’, ‘osu\_id’: ‘max’, ‘last\_name’:’ma’, ‘first\_name’: ‘xiaozhe’,  ‘role’: ‘1’, ‘session\_id’:’afhjagfAF234Dsf’},  ‘class\_info’:  [ {‘id’: ’001’, ‘name’: ’CS561’, ‘role’: ‘0’},  {‘id’: ’002’, ‘name’: ’CS519’, ‘role’: ‘1’},  {‘id’: ’003’, ‘name’: ’CS321’, ‘role’: ‘0’}]  } |
| Return Code | Success: 201, Failure: 403 |

1. Sign out

|  |  |
| --- | --- |
| Description | User sign out, remove user from sessions |
| URL | /sessions |
| Request Method | DELETE |
| Request Header | user session |
| Request Body |  |
| Return Value |  |
| Return Code | Success: 204, Failure: 403 |

1. (TA) create class

|  |  |
| --- | --- |
| Description | TA create course. TA role need to validate first. After an item is added in ‘t\_class’ table, add a new item in ‘r\_user\_class’ table. |
| URL | /classes |
| Request Method | POST |
| Request Header | user session |
| Request Body | {name} |
| Return Value |  |
| Return Code | Success: 201, Failure: 403 |

1. User (TA or Students) query classes

|  |  |
| --- | --- |
| Description | TA or students query classes. If ‘category==all’, return all classes in our system. If ‘category == self’, return the classes that they are in. Pagination will be solved in next sprint. |
| URL | /classes?category={all,self} |
| Request Method | GET |
| Request Header | user session |
| Request Body |  |
| Return Value | Class info array [{id, name}, {id, name} …] |
| Return Code | Success: 200, Failure: 404 |

1. User (TA or Students) choose classes

|  |  |
| --- | --- |
| Description | TA or students choose a class. Add an item in ‘r\_user\_class’ table. Maybe can choose many classes once in next sprint. |
| URL | /classes |
| Request Method | PUT |
| Request Header | user session |
| Request Body | {class\_id} |
| Return Value |  |
| Return Code | Success: 200, Failure: 404 |

1. User (TA or Students) quit classes

|  |  |
| --- | --- |
| Description | TA or students quit a class. Maybe can quit many classes once in next sprint. |
| URL | /classes/{class\_id} |
| Request Method | DELETE |
| Request Header | user session |
| Request Body |  |
| Return Value |  |
| Return Code | Success: 204, Failure: 404 |

1. Student post question

|  |  |
| --- | --- |
| Description | Student post a question |
| URL | /questions |
| Request Method | POST |
| Request Header | user session |
| Request Body | {class\_id, title, description, course\_keywords, preferred\_time} |
| Return Value | Question Info {all attributes in ‘t\_question’ table} |
| Return Code | Success: 201, Failure: 403 |

1. User (TA or Student) query question

|  |  |
| --- | --- |
| Description | TA or students query classes. Pagination will be solved in next sprint. |
| URL | /questions?class\_id={class\_id} |
| Request Method | GET |
| Request Header | user session |
| Request Body |  |
| Return Value | {  ‘questions’:  [ {‘id’: ‘001’, ‘class\_id’:’001’, ‘stdnt\_first\_name’: ‘Bob’,  ‘stdnt\_last\_name’: ‘Silber’, ‘stdnt\_user\_id’:’001’,  ‘create\_time’: ’201710241836’, ‘title’: ‘title’, ‘description’: ‘descpt’,  ‘course\_keywords’: ‘design patterns, agile’,  ‘preferred\_time’: ‘201710241836’, ‘ta\_first\_name’: ‘Daniel’,  ‘ta\_last\_name’: ‘Stewart’, ‘ta\_user\_id’: ‘002’, ‘status’: ‘0’,  ‘students’: [ { ‘first\_name’: ‘alex’, ‘last\_name’: ‘Shelton’,  ‘user\_id’: ‘003’, ‘time’: ’201710241836’},  { ‘first\_name’: ‘Bob, ‘last\_name’: ‘Hammond’,  ‘user\_id’: ‘004’, ‘time’: ’201710241836’}]  },  {‘id’: ‘002’, ‘class\_id’:’001’, ‘stdnt\_first\_name’: ‘Bob’,  ‘stdnt\_last\_name’: ‘Silber’, ‘stdnt\_user\_id’:’001’,  ‘create\_time’: ’201710241836’, ‘title’: ‘title’, ‘description’: ‘descpt’,  ‘course\_keywords’: ‘design patterns, agile’,  ‘preferred\_time’: ‘201710241836’, ‘ta\_first\_name’: ‘Daniel’,  ‘ta\_last\_name’: ‘Stewart’, ‘ta\_user\_id’: ‘002’, ‘status’: ‘0’,  ‘students’: [ { ‘first\_name’: ‘alex’, ‘last\_name’: ‘Shelton’,  ‘user\_id’: ‘003’, ‘time’: ’201710241836’},  { ‘first\_name’: ‘Bob, ‘last\_name’: ‘Hammond’,  ‘user\_id’: ‘004’, ‘time’: ’201710241836’}]  }]  } |
| Return Code | Success: 200, Failure: 404 |

1. Student add himself to question

|  |  |
| --- | --- |
| Description | Student add himself to question, create a new item in ‘t\_question\_consern’ table |
| URL | /questions/{question\_id}/conserns |
| Request Method | PUT |
| Request Header | user session |
| Request Body |  |
| Return Value | Question Info {question\_id, student\_names(is array)} |
| Return Code | Success: 201, Failure: 404 |

1. TA set the status of a question

|  |  |
| --- | --- |
| Description | TA set the status of a question (status 0: proposed, status 1: answered, status 2: deleted, status 3: signed) |
| URL | /questions |
| Request Method | PATCH |
| Request Header | user session |
| Request Body | {question\_id, statues} |
| Return Value | {  ‘question’:  {‘id’: ‘001’, ‘class\_id’:’001’, ‘stdnt\_first\_name’: ‘Bob’,  ‘stdnt\_last\_name’: ‘Silber’, ‘stdnt\_user\_id’:’001’,  ‘create\_time’: ’201710241836’, ‘title’: ‘title’, ‘description’: ‘descpt’,  ‘course\_keywords’: ‘design patterns, agile’,  ‘preferred\_time’: ‘201710241836’, ‘ta\_first\_name’: ‘Daniel’,  ‘ta\_last\_name’: ‘Stewart’, ‘ta\_user\_id’: ‘002’, ‘status’: ‘3’,  ‘students’: [ { ‘first\_name’: ‘alex’, ‘last\_name’: ‘Shelton’,  ‘user\_id’: ‘003’, ‘time’: ’201710241836’},  { ‘first\_name’: ‘Bob, ‘last\_name’: ‘Hammond’,  ‘user\_id’: ‘004’, ‘time’: ’201710241836’}]  }  } |
| Return Code | Success: 200, Failure: 404 |

1. TA delete a question

|  |  |
| --- | --- |
| Description | TA delete a question |
| URL | /questions/{question\_id} |
| Request Method | DELETE |
| Request Header | user session |
| Request Body |  |
| Return Value |  |
| Return Code | Success: 200, Failure: 404 |