TBD ITF OATS API Specification:

HTTP status codes used: 200, 400, 403, 405, else

Note: when sending "user" key: dict containing {"uid":"user\_ID","role":"S | P | A | T","name":"Robin Kelby" }

/api/professor

* Methods: POST and DELETE
* POST JSON:   
  {   
  "profname":"John Dolan  
  "UID":"dolan"   
  }
* DELETE JSON:   
  {   
  "profname":"John Dolan",   
  "UID":"dolan"   
  }

/api/prof/course

* Methods: POST and DELETE
* POST JSON:   
  {   
  "user",  
  "course":"course\_ID"   
  }
* DELETE JSON:   
  {   
  "user",  
  "course":"course\_ID"   
  }

/api/prof/assignment

* Methods: POST, PUT, and DELETE
* POST JSON:   
  {   
  "user",  
  "course":"course\_ID",  
  "assignment":"assignment\_ID",  
  "language":"Python | Ocaml | C | C++",  
  "ref\_code":"base64 zipped reference code"   
  }
* PUT JSON:  
  {   
  "user",  
  "course":"course\_ID",  
  "assignment":"assignment\_ID",  
  "language":"Python | Ocaml | C | C++",  
  "ref\_code":"base64 zipped reference code"   
  }
* DELETE JSON:   
  {   
  "user",  
  "course":"course\_ID",  
  "assignment":"assignment\_ID"   
  }

/api/role

* Methods: POST, PUT, and DELETE
* POST JSON:  
  {  
  "user",  
  "course":"course\_ID"  
  }
* PUT JSON:  
  {  
  "user",  
  "course":"course\_ID"  
  }
* DELETE JSON:  
  {  
  "user",  
  "course":"course\_ID"  
  }

/api/user/test

* Methods: POST and DELETE
* POST JSON:  
  {  
  "test\_ID":"testcase\_ID",  
  "user",  
  "prof":"professor\_ID",  
  "course":"course\_ID",  
  "assignment":"assignment\_ID",  
  "privacy":"0 | 1",  
  "test\_file":"testcase\_contents"  
  }
* DELETE JSON:  
  {  
  "test\_ID":"testcase\_ID",  
  "user",  
  "prof":"professor\_ID",  
  "course":"course\_ID",  
  "assignment":"assignment\_ID"  
  }

/api/user/run\_test

* Methods: POST
* POST JSON:  
  {  
  "test\_cases":[ array of testcase ID's],  
  "user",  
  "prof":"professor\_ID",  
  "course":"course\_ID",  
  "assignment":"assignment\_ID",
* "code":"base64 zipped submission"  
  }
* Return JSON: (need to discuss with client)  
  {  
  "testcase\_ID":"0 | 1"  
  }