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| Endpoint | Method | Description | Input JSON | Output JSON | Possible  Errors | Scope |
| /users/addUser | POST | Create user | username, password,  fullName,  emailAddress |  | 403:  duplicate username | All |
| /users/info  /:userName | GET | Get user’s username, password, email, fullName, course list and preference list | Nothing | username, password, email, fullName, courses (array of courses), preference(array of preferences) | None | Any logged in user |
| /users/info  /:userName | DELETE | Suspend user (can be called by the user himself/herself) | {“username”: “username”} | Just an HTTP OK | 401:  unauthorized | Any logged in user |
| /users/info  /:userName | PUT | Update user info | [newPassword],  [email],  [fullName]  ([] means “optional”) | Just an HTTP OK | 401:  unauthorized | Any logged in user |
| /users/info  /:userName/:courses | POST | User adding courses | {courseCode, sectionCode, semester,  type} | username, password, email, fullName, courses (array of courses), preference(array of preferences) | 400: user not found | Any logged in user |
| /users/insertPreference  /:userName | POST | User adding preferences | {uid, type, value} | username, password, email, fullName, courses (array of courses), preference(array of preferences) | 400: user not found | Any logged in user |
| /courses/insertCourse | POST | Add a new course | {courseCode,  title,  description,  br} | Nothing | 400: invalid  property type | Only  Admin |
| /courses/courseInfo  /:semester  /:courseCode | GET | Get all info of  A course | Nothing | {\_id(eg.CSC108,  title,  description,  br,  sections: [  list of section  object] | 400: course  not found | all |
| /courses/insertSection | POST | Insert a section  Of course | {courseCode,  semester,  type,  sectionCode,  instructor} | Nothing | 400: course  not found | Only  admin |
| /courses/updateSection | put | Update info  Of a section | {courseCode,  semester,  type,  sectionCode,  instructor} | Nothing | 400: course/  section not  found | Only  admin |
| /courses/insertTimeslot | post | Insert a timeslot  For a section | {courseCode,  semester,  type,  sectionCode,  weekday,  start,  end,  location | Nothing | 400: course/  section not  found | Only  admin |
| /courses/deleteTimeslot | delete | Delete a timeslot  Of a seciton | {courseCode,  semester,  type,  sectionCode,  weekday,  start,  end,  location | Nothing | 400: course/  section not  found | Only  admin |
| /courses/deleteSection | delete | Delete a section | {courseCode,  semester,  type,  sectionCode} | Nothing | 400: course/  section not  found | Only  admin |
| /courses/deleteCourse | delete | Delete a course | {courseCode,  title,  description,  br} | Nothing | 400: course  not found | Only  admin |
| /courses/updateCourse | Put | Update a course  Info | {courseCode,  title,  description,  br} | Nothing | 400: course  not found | Only  admin |