

MyTutor

Initial Draft Design

Team Members

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Examples of our API endpoints:

- "student_url": "https://api.mytutor.ca/students/{SUserName}",
- "tutor_url": "https://api.mytutor.ca/tutors/{TUserName}",
- "admin_url": "https://api.mytutor.ca/admins/{AUserName}",

API root:

https://api.mytutor.ca

1. Students

Use the students API calls to manage students.

POST	/students
Description	Create a new Mytutor student account
Parameters	SUserName, SName, SPassword
Response	Success or Fail

GET	/students/{SUserName}
Description	Find a student by username
Parameters	None
Response	A student with username {SUserName} if found, Null if failed

PUT	/students/{SUserName}
Description	Used to update an existing student
Parameters	SName, SPassword
Response	Success or Fail

DELETE	/students/{SUserName}
Description	Delete an existing Mytutor student account
Parameters	SPassword
Response	Success or Fail

2. Tutors

Use the tutors API calls to manage tutors.

GET	/tutors
Description	Used to get the list of all tutors
Parameters	None
Response	List of all tutors

GET	/tutors
Description	Find all tutors for a specific subject
Parameters	SubjectExpertise
Response	List of all available tutors with expertise in {SubjectExpertise}

GET	/tutors/{TUserName}
Description	Get all details of a specific tutor
Parameters	None
Response	TName, Background, PoliceCheck, Result

POST	/tutors
Description	Used to create a new tutor account
Parameters	TUserName, TName, TPassword, Background
Response	Success or Fail

PUT	/tutors/{TUserName}
Description	Edit a specific tutor account
Parameters	TName, TPassword, Background
Response	Success or Fail

PUT	/tutors/{TUserName}
Description	Modify the tutor's police check and approval result
Parameters	AUserName, APassword, PoliceCheck, Result
Response	Success or Fail

DELETE	/tutors/{TUserName}
Description	Used to delete a specific tutor account
Parameters	TPassword
Response	Success or Fail

3. Admins

Use the admin API calls to manage admins.

Available Methods

POST	/admins
Description	Used to create a new admin account
Parameter	AUserName, AName, APassword
Response	Success or Fail

GET	/admins/{AUserName}
Description	Used to find an admin with username {AUserName}
Parameter	None
Response	The admin if succeeded or Null if failed

PUT	/admins/{AUserName}
Description	Used to update an existing admin
Parameter	AName, APassword
Response	Success or Fail

4. Reviews

Use the reviews API calls to manage reviews.

GET	/reviews
Description	Used to get all reviews of a tutor
Parameters	TUserName
Response	Returns all reviews of a tutor

POST	/reviews
Description	Create a new review
Parameters	TUserName, SUserName
Response	Success or Fail

PUT	/reviews/{TUserName}/{SUserName}
Description	Edit an existing review
Parameters	SUserName, SPassword
Response	Success or Fail

DELETE	/reviews/{TUserName}/{SUserName}
Description	Delete an existing review
Parameters	SUserName, SPassword
Response	Success or Fail

5. Payments

Use the payment API calls to manage payments.

POST	/payments
Description	Used to create a new payment
Parameters	PaymentID, Amount, Date, SUserName, TUserName
Response	Success or Fail

GET	/payments
Description	Used to get all the payments made to a specific tutor past a certain date
Parameters	TUserName, Date
Response	List of payments made to tutor past a date

GET	/payments/ {SUserName}
Description	Used to get all the payments made by a specific student past a certain date
Parameters	SPassword, Date
Response	List of payments made by student past a date

6. Courses

Use the courses API calls to manage courses.

GET	/courses
Description	Used to get the list of all the courses offered by a school
Parameters	SchoolName
Response	List of courses offered by a school

GET	/courses
Description	Used to get the list of all courses based on a specific subject
Parameters	Subject
Response	List of all the courses

7. Schools

Use the [schools](#) API calls to manage schools.

GET	/schools
Description	Used to get the list of all schools
Parameters	None
Response	List of all schools

GET	/schools
Description	Used to get the list of all the schools in the area
Parameters	PostalCode
Response	List of all schools in area near PostalCode provided

8. Tutor Subject Expertise

Use the [tutor_subject_expertise](#) API calls to manage tutor_subject_expertise.

Available Methods

GET	/tutor_subject_expertise
Description	Used to get the list of tutor's subject expertise
Parameters	TUserName
Response	list of tutor's subject expertise

9. Can Tutor

Use the [can_tutor](#) API calls to manage can_tutor.

Available Methods

GET	/can_tutor
Description	Used to get the list of all courses a tutor can tutor
Parameters	TUserName
Response	List of the courses

10. Enrolled In

Use the enrolled_in API calls to manage student's enrollment in a course/courses.

Available Methods

GET	/enrolled_in
Description	Used to get the list of all courses enrolled by a student
Parameters	SUserName
Response	List of all the courses the student is enrolled in