Desenvolvimento para Web
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REST Requests

1. **User**

   1.1 **Method: GET**

   Return a JSON with an array of users by parameters. If any parameters are informed, return all users.

   Request: /user?<parameters>
   Parameters: name, email, usermane, type
   Example:
   - http://www.loohcs.com/user?type=student
     Return:
     {"user": [
         {"name": "João da Silva", "email": "joao.silva@email.com", "username": "jsilva", "type": "Student"},
         {"name": "José Pereira", "email": "jose.pereira@email.com", "username": "jpereira", "type": "Student"},
         {"name": "Roberto Borges", "email": "robertob@email.com", "username": "robertob", "type": "Student"}
     ] }
   - http://www.loohcs.com/user?username=robertinho2004
     Return:
     {"user": [
         {"name": "Roberto Borges", "email": "robertob@email.com", "username": "robertinho2004", "type": "Teacher"}
     ] }
   -

   1.2 **Method: POST**

   Create a new user with given parameters values.

   Request: /user?<parameters>
   Parameters: name, email, usermane, password, birth, type, address, phone, gender
   Example:
   - http://www.loohcs.com/user?name=Roberto%20Fraga&email=roberto@rmail.com&username=roberto2004&password=sadaskdjalkd&birth=1989-03-23&type=Student&gender=Male

   1.3 **Method: PUT**

   Update a user with given parameters values.

   Request: /user/<username>?<parameters>

Parameters: name, email, usermane, password, birth, type, address, phone, gender
Example:
- http://www.loohcs.com/user/roberto2004?email=roberto_a@ rmail.com &password=sadaskdjalkd

1.4 Method: DELETE

Delete a user with given username.

Request: /user/<username>
Parameters: None
Example:
- http://www.loohcs.com/user/roberto2004

2. Student

2.1 Method: GET

Return a JSON with an array of students by parameters. If any parameters are informed, return all students.

Request: /student?<parameters>
Parameters: name, gender, address, birth, age, parent, period, level, year, class
Example:
- http://www. loohcs.com/student?gender=male&age=15
  Return:
  {"user": [
  {"name": "João da Silva", "email": "joao.silva@email.com", "username": "jsilva", "gender": "Male", "age": "15", "birth": 2001-02-15, "period": "Matutino", "level": "Infantil", "year": 3, "class": "A" "parent": {"mother": "Maria Silva", "father": "Felipe Silva"} },
  {"name": "José Pereira", "email": "jose.pereira@email.com", "username": "jpereira", "gender": "Male", "age": "15", "birth": 2001-01-24, "period": "Vespertino", "level": "Médio", "year": 2, "class": "C" "parent": {"mother": "Fátima Pereira", "father": "Roger Pereira"} },
  {"name": "Roberto Borges", "email": "robertob@email.com", "username": "robertob", "gender": "Male", "age": "15", "birth": 2001-03-09, "period": "Matutino", "level": "Fundamental", "year": 7, "class": "B" "parent": {"mother": "Letícia Borges", "father": "Marcelo Borges"} }
  ] }
- http://www. loohcs.com/student?year=3&class=a
  Return:
  {"user": [
  {"name": "João da Silva", "email": "joao.silva@email.com", "username": "jsilva", "gender": "Male", "age": "16", "birth": 2000-02-15, "period": "Matutino", "level": "Infantil", "year": 3, "class": "A" "parent": {"mother": "Maria Silva", "father": "Felipe Silva"}, },

{"name":"Fabrícia Pereira", "email": "fabricia.pereira@email.com", "username": "fpereira", "gender": "Female", "age": "15", "birth": 2001-01-24, "period": "Vespertino", "level": "Médio", "year": 3, "class": "A" "parent": {"mother": "Fátima Pereira", "father": "Roger Pereira"}, },
{"name": "Roberto Borges", "email": "robertob@email.com", "username": "robertob", "gender": "Male", "age": "14", "birth": 2002-03-09, "period": "Matutino", "level": "Fundamental", "year": 3, "class": "A" "parent": {"mother": "Letícia Borges", "father": "Marcelo Borges"}, }
] }

2.2 Method: POST

Create a new student with given parameters values.

Request: /student?<parameters>
Parameters: name, gender, address, birth, parent, period, level, year, class
Example:
http://www.loohcs.com/student?name=Roberto%20Fraga
&birth=1989-03-
23&gender=Male&address=Rua%2024&parente="Letícia%20Borges"
&period="Matutino"&level="Fundamental"&year=5&class="B"

2.3 Method: PUT

Update a student with given parameters values.

Request: /student/<username>?<parameters>
Parameters: name, gender, address, birth, parent, period, level, year, class
Example:
http://www.loohcs.com/student/roberto2004?level="Médio"&year=1&class="B"

2.4 Method: DELETE

Delete a student with given username.

Request: /student/<username>
Parameters: None
Example:
- http://www.loohcs.com/student/roberto2004

3. Teacher

3.1 Method: GET

Return a JSON with an array of teachers by parameters. If any parameters are informed, return all teachers.

Request: /teacher?<parameters>
Parameters: name, subject, degree, since
Example:
- http://www. loohcs.com/teacher?subject=math
  Return:
  {"teacher": [
  {"name": "Guilherme Fernandez", "subject": "Math", "degree": "Master", "since": 2000-06-01},
  {"name": "Rodorigo Lopes", "subject": "Math", "degree": "Bachelor", "since": 1998-09-15},
  {"name": "Fernanda Silva", "subject": "Math", "degree": "Phd", "since": 1990-01-01}
  ] }

3.1 Method: POST

Create a new teacher with given parameters values.

Request: /teacher?<parameters>
Parameters: name, subject, degree, since
Example:
- http://www.loohcs.com/teacher?name=Roberto%20Fraga &subject="Math"&degree="Master"&since=1998-06-01

3.2 Method: PUT

Update a teacher with given parameters values.

Request: /teacher/<username>?<parameters>
Parameters: name, subject, degree, since
Example:
- http://www.loohcs.com/teacher/roberto2004?subject="Portu guese"

3.3 Method: DELETE

Delete a teacher with given username.

Request: /teacher/<username>
Parameters: None
Example:
- http://www.loohcs.com/teacher/roberto2004

4. Class

4.1 Method: GET

Return a JSON with an array of classes by parameters. If any parameters are informed, return all classes.

Request: /class?<parameters>
Parameters: level, year, letter, period, room
Example:
- http://www. loohcs.com/class?year=5&letter=c
  Return:
  {"class": [
  {"level": "Fundamental", "year": 5, "letter": "C", "period": "Vespertino", "room": "110"}
  ] }

4.2 Method: POST

Create a new class with given parameters values.

Request: /class?<parameters>
Parameters: level, year, letter, period, room
Example:
- http://www.loohcs.com/class?level="Médio"&year="1"&letter="A"&period="Matutino"&room="101"

4.3 Method: PUT

Update a class with given parameters values.

Request: /class/<id>?<parameters>
Parameters: level, year, letter, period, room
Example:
- http://www.loohcs.com/class/21?room="203"

4.4 Method: DELETE

Delete a class with given id.

Request: /class/<id>
Parameters: None
Example:
- http://www.loohcs.com/class/21