QuestionIT

ReST Service Definition

In this document you will find a description of all the Endpoints as defined in backend of the QustionIT tool. For the POST and PUT commands a description is given of the JSON objects that have to sent. Before getting into detail about the Endpoints, first some information about the Enums that are used. This important because when you sent a JSON object that requires an Enum, you can choose to send a number or a specific string.

Enums

EnumExams

```
  0  :  "NONE
  1  :  "OCA"
  2  :  "OCP"
  3  :  "_70_480"
```

EnumLanguages

```
  0  :  "NONE"
  1  :  "JAVA"
  2  :  "HTML_CSS_JS"
```

EnumAnswers

```
  0  :  "X"
  1  :  "A"
  2  :  "B"
  3  :  "C"
  4  :  "D"
  5  :  "E"
  6  :  "F"
  7  :  "G"
  8  :  "H"
  9  :  "I"
 10  :  "J"
```

QuestionEndpoint

GET all Questions
Command: GET
Path: `'api/questions'`

GET one Question
Command: GET
Path: `'api/questions/{id}'`

GET one Question ModelExam
Command: GET
Path: `'api/questions/exam/{id}'`
Notes:
- retrieves only fields applicable for making an exam. These are:

```
      "id" : number,
      "name" : "string",
      "question" : "string",
      "possibleAnswers" : ["string", "string"],
      "typeOfQuestion" : "string",
      "enabled" : boolean
```

Create new or change one Question
Command: POST
Path: `'api/questions'`
Notes:
- Exclude 'creator', 'correctAnswers' and 'givenAnswers' from JSON
- If an existing 'id' is included than the data will be overwritten
- If non-existing 'id' is included it is ignored

```
      {
        "name": "string",
        "programmingLanguage": EnumLanguages,
        "forExam": EnumExams,
        "creationDateTime": number,
        "question": "string",
        "explantionAnswer": "string",
        "typeOfQuestion": "string",
        "enabled" : boolean
      }
```

Add new CorrectAnswerList to existing Question
Command: POST
Path: `'api/question/{id}/correct-answers'`
Notes:
- Exclude 'creator', 'correctAnswers' and 'givenAnswers' from JSON
- If an existing 'id' is included than the data will be overwritten
- The list of correct anwers can include single characters only

```
      {
        "answers": [
          EnumAnswers,
          EnumAnswers
        ]
      }
```

Add existing Instructor to existing Question
Command: POST
Path: `'api/questions/{id}/instructor/{instructor_id}'`
Notes:

- No JSON object needs to be included
- If both the Instructor and the Question exist, the Instructor is attached

Add existing GivenAnswerList to existing Question
Command: POST
Path: `'api/questions/{id}/given-answers/{answerlist_id}'`
Notes:
- No JSON object needs to be included
- If both the AnswerList and the Question exist, the AnswerList is attached

Delete an existing Question
Command: DELETE
Path: `'api/questions/{id}'`

QuestionListEndpoint

GET all QuestionLists
Command: GET
Path: `'api/questionlists'`

GET one QuestionList
Command: GET
Path: `'api/questionlists/{id}'`

Create new or change one QuestionList
Command: POST
Path: `'api/questionlists'`
Notes:
- Exclude 'creator' and 'questions' from JSON
- If an existing 'id' is included than the data will be overwritten
- If non-existing 'id' is included it is ignored

```
{
  "name": "string",
  "programmingLanguage": EnumLanguages,
  "forExam": EnumExams,
  "creationDateTime": number,
  "examTimeInMinutes": number
}
```

Add new Question to existing QuestionList
Command: POST
Path: `'api/questionlists/{id}/question'`
Notes:
- Exclude 'creator', 'correctAnswers' and 'givenAnswers' from JSON
- If an existing 'id' is included than the data will be overwritten

- If non-existing 'id' is included, there is error ("500 Internal Server Error")

```
      {
        "name": "string",
        "programmingLanguage": EnumLanguages,
        "forExam": EnumExams,
        "creationDateTime": number,
        "question": "string",
        "explantionAnswer": "string",
        "typeOfQuestion": "string"
      }
```

Add existing Question to existing QuestionList
Command: POST
Path: `'api/questionlists/{id}/question/{question_id}'`
Note:
- No JSON object needs to be included
- If both the Question and the QuestionList exist, the Question is attached

Add existing Instructor to existing QuestionList
Command: POST
Path: `'api/questionlists/{id}/instructor/{instructor_id}'`
Note:
- No JSON object needs to be included
- If both the Instructor and the QuestionList exist, the Instructor is attached