# REST API documentation for SURVEY project

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## GET methods

<http://localhost:8080/api>

### GET all Surveys

<http://localhost:8080/apisurveys>

### GET all Questions

<http://localhost:8080/apiquestions>

### GET all Answers

<http://localhost:8080/apianswers>

### GET all UserAnswers

<http://localhost:8080/apiuseranswers/>

### GET all Users

<http://localhost:8080/apiusers>

### GET all OpenUserAnswers

<http://localhost:8080/apiouanswers/>

### GET individual object of any type by ID

links from previous block + “/{id}”, method = RequestMethod.***GET***

## DELETE by ID

**DELETE** individual object of any type: links from previous block + “/{id}”, method = RequestMethod.***DELETE***

## POST methods

### Save a new Survey:

POST method to "/apisurveys" endpoint

Header: 'Content-type': 'application/json'

Example body:

{

    "surveyDesc": "Second survey"

}

### Save a new Question:

POST method to "/apiquestions" endpoint

Header: 'Content-type': 'application/json'

Example body:

{

    "survey" : {"surveyID":"1"},

    "questionType": "radio-button question",

    "question": "What day is it?"

}

### Save LIST of Questions:

POST method to "/saveallquestions" endpoint

Header: 'Content-type': 'application/json'

Example body:

[

    {

        "survey": {"surveyID": 1},

        "question": "First question",

        "questionType" : "radio-button question"

    },

   {

        "survey": {"surveyID": 1},

        "question": "Second question",

        "questionType" : "radio-button question"

    }

]

### Save a new Answer:

Post method to "/apianswers" endpoint.

Header: 'Content-type': 'application/json'

Example body:

{

    "question": {"questionID": 2},

    "answer": "Sample answer"

}

### Save a LIST of Answers:

Post method to "/saveallanswers" endpoint.

Header: 'Content-type': 'application/json'

Example body:

[

    {

        "question": {"questionID": 2},

        "answer": "Wed"

    },

    {

        "question": {"questionID": 2},

        "answer": "Thu"

    }

]

### Save a new UserAnswer:

POST method to "/apiuseranswers" endpoint

Header: 'Content-type': 'application/json'

Example body:

{

    "answer": {"answerID": 5}

}

### Save a LIST of UserAnswers

POST method to "/savealluseranswers" endpoint

Header: 'Content-type': 'application/json'

Example body:

[

    {

        "answer": {"answerID":6},

        "user" : {"userID": 5}

    },

    {

        "answer": {"answerID":9},

        "user" : {"userID": 5}

    }

]

### Save a new USER

POST method to "/apiusers" endpoint

Header: 'Content-type': 'application/json'

Example body:

{} (empty)

or:

{

    "userName" : "Maria"

}

### Save a new OpenUserAnswer

POST method to "/apiouanswers" endpoint

Header: 'Content-type': 'application/json'

Example body

{

    "answerText": "Oona",

    "question" : {"questionID" : 4},

    "user": {"userID" : 18}

}

### Save a LIST of OpenUserAnswers

POST method to "/saveallouanswers" endpoint

Header: 'Content-type': 'application/json'

Example body

[

    {

        "question": {"questionID": 4},

        "answerText": "A",

        "user": {"userID" : 13}

    },

    {

        "question": {"questionID": 4},

        "answerText": "B",

        "user": {"userID" : 13}

    }

]

## PUT methods

### UPDATE an object (Survey, Question or Answer)

PUT method to "/apisurveys" or "/apiquestions" or "/apianswers" endpoint + /{id}

Header: 'Content-type': 'application/json'

Example bodies:

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

By means of changing the questionID you can reassign the answer to a different question.

Graphical user interface, text, application, email

Description automatically generated