# REST API documentation for SURVEY project

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## GET methods

<http://localhost:8080/api>

### GET all Surveys

<http://localhost:8080/apisurveys>

Available without authorization

### GET all Questions

<http://localhost:8080/apiquestions>

Available without authorization

### GET all Answers

<http://localhost:8080/apianswers>

Available without authorization

### GET all UserAnswers

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

Available with authorization only

### GET all Respondents

<http://localhost:8080/apirespondents>

Available without authorization

### GET all OpenUserAnswers

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

Available with authorization only

### GET individual object of any type by ID

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

Without authorization: /apisurveys/{id}, /apiquestions/{id}, /apianswers/{id}

All the rest: with authorization only

## DELETE by ID

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

Available with authorization only

## POST methods

### Authenticate:

POST method to "/authenticate" endpoint

Available without authorization

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

**Necessary body:**

{

    "username": "admin",

    "password": "admin"

}

**Response**:

{

    "jwt": "eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJhZG1pbiIsImV4cCI6MTYzODk5NjIxOSwiaWF0IjoxNjM4OTYwMjE5fQ.rbY8B4sUkirwTlt8jjZtOXmjlfqsaHGEnH3HLalzaG0"

}

You need this long String to further work with the admin part of the app

### Save a new Survey:

POST method to "/apisurveys" endpoint

**Headers**:

* 'Content-type': 'application/json'
* 'Authorization': 'Bearer ' + jwt

**Example body:**

{

    "surveyDesc": "Second survey"

}

Available with authorization only

### Save a new Question:

POST method to "/apiquestions" endpoint

**Headers**:

* 'Content-type': 'application/json'
* 'Authorization': 'Bearer ' + jwt

**Example body:**

{

    "survey" : {"surveyID":"1"},

    "questionType": "radio-button question",

    "question": "What day is it?"

}

### Save LIST of Questions:

POST method to "/saveallquestions" endpoint

**Headers**:

* 'Content-type': 'application/json'
* 'Authorization': 'Bearer ' + jwt

**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.

**Headers**:

* 'Content-type': 'application/json'
* 'Authorization': 'Bearer ' + jwt

**Example body:**

{

    "question": {"questionID": 2},

    "answer": "Sample answer"

}

### Save a LIST of Answers:

POST method to "/saveallanswers" endpoint.

**Headers**:

* 'Content-type': 'application/json'
* 'Authorization': 'Bearer ' + jwt

**Example body:**

[

    {

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

        "answer": "Wed"

    },

    {

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

        "answer": "Thu"

    }

]

### Save a new Respondent

POST method to "/apirespondents" endpoint

Available without authorization

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

**Example body**:

{

    "respondentName" : "Maria"

}

### Save a LIST of UserAnswers

POST method to "/savealluseranswers" endpoint

Available without authorization

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

**Example body**:

[

    {

        "answer": {"answerID":6},

        "respondent" : {"respondentID": 5}

    },

    {

        "answer": {"answerID":9},

        "respondent" : {"respondentID": 5}

    }

]

### Save a LIST of OpenUserAnswers

POST method to "/saveallouanswers" endpoint

Available without authorization

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

**Example body**

[

    {

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

        "answerText": "A",

        "respondent" : {"respondentID": 5}

    },

    {

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

        "answerText": "B",

        "respondent" : {"respondentID": 5}

    }

]

## PUT methods

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

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

**Headers**:

* 'Content-type': 'application/json'
* 'Authorization': 'Bearer ' + jwt

**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.