# REST API documentation for SURVEY project

[GET methods 1](#_Toc89857862)

[GET all Surveys 1](#_Toc89857863)

[GET all Questions 1](#_Toc89857864)

[GET all Answers 2](#_Toc89857865)

[GET all UserAnswers 2](#_Toc89857866)

[GET all Respondents 2](#_Toc89857867)

[GET all OpenUserAnswers 2](#_Toc89857868)

[GET individual object of any type by ID 2](#_Toc89857869)

[DELETE by ID 2](#_Toc89857870)

[POST methods 2](#_Toc89857871)

[Save a new Survey: 2](#_Toc89857872)

[Save a new Question: 3](#_Toc89857873)

[Save LIST of Questions: 3](#_Toc89857874)

[Save a new Answer: 3](#_Toc89857875)

[Save a LIST of Answers: 4](#_Toc89857876)

[Save a new UserAnswer: 4](#_Toc89857877)

[Save a LIST of UserAnswers 4](#_Toc89857878)

[Save a new Respondent 5](#_Toc89857879)

[Save a new OpenUserAnswer 5](#_Toc89857880)

[Save a LIST of OpenUserAnswers 5](#_Toc89857881)

[PUT methods 6](#_Toc89857882)

[UPDATE an object (Survey, Question or Answer) 6](#_Toc89857883)

## 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 with authorization only

### 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

### 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 UserAnswer:

POST method to "/apiuseranswers" endpoint

Available without authorization

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

**Example body:**

{

    "answer": {"answerID": 5},

    "respondent" : {"respondentID": 5}

}

### 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 new Respondent

POST method to "/apirespondents" endpoint

Available without authorization

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

**Example body**:

{

    "respondentName" : "Maria"

}

### Save a new OpenUserAnswer

POST method to "/apiouanswers" endpoint

Available without authorization

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

**Example body**

{

    "answerText": "Sample answer",

    "question" : {"questionID" : 4},

    "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.