The Survey System API is organized around REST.

Our API accepts form-encoded POST requests.

Each API is redirecting to the same URL but indicates the “action” attribute inside the POST body data to indicate what actions need to be performed.

Please not that due to time limitation, all the APIs are not checking authorization and authentication.

As of now assuming that from front end side, we will get api request only if user is authenticated and authorized.

You can find some Python snippets in the document to as an example.

**“action”** field is JSON is mandatory in all the requests.

1. **Sign Up:**

Required fields: action, email, password, name

Python example:

*Import requests*

*response = requests.post(url=”http://127.0.0.1:8001/”, json={****"action": "signup"****, "email": "aaaaaa@gmail.com", "password": "pass", "name": "name1"})*

Returns: {"publisher\_id": -1} if account already exists on the given email id else -1 will be replaced with the assigned publisher\_id to the new account

1. **Login:**

Required fields: action, email, password

Python example:

*response = requests.post(url=”http://127.0.0.1:8001/”, json={****"action": "login"****, "email": "a@gmail.com", "password": "pass"})*

Returns: {"publisher\_id": -1} if login failure due to password mismatch else -1 will be replaced with the assigned publisher\_id to the given account

1. **Get Survey ids and name for given account:**

Required fields: action,publisher\_id

Python example:

*response = requests.post(url=”http://127.0.0.1:8001/”, json={****"action": "get\_surveys",*** *"publisher\_id": "1"})*

Returns: list of objects.

Where object is JSON like {"survey\_id": surveyid\_value, "survey\_name": survey\_name}

1. **Get Survey data for given survey\_id:**

Required fields: action,survey\_id

Python example:

*response = requests.post(url=”http://127.0.0.1:8001/”, json****={"action": "get\_survey",*** *"survey\_id": survey\_id})*

Returns: {"survey\_id": survey\_id, "survey\_name": survey\_name, "survey\_data": survey}

Where survey (value of “survey\_data”) is list of below objects for questions and answers as below.

Example output:

{ 'survey\_id': '9',

'survey\_name': 'world',

'survey\_data': [

{

'question\_id': 19,

'question\_text': 'How many total counties are there'

'answers': [

{'answer\_id': 55, 'answer\_text': '200'},

{'answer\_id': 56, 'answer\_text': '225'},

{'answer\_id': 57, 'answer\_text': '250'}

],

},

{

'question\_id': 20,

'question\_text': 'How many total rivers are there',

'answers': [

{'answer\_id': 58, 'answer\_text': '10000'},

{'answer\_id': 59, 'answer\_text': '200000'},

{'answer\_id': 60, 'answer\_text': '300000'}

],

}

]

}

1. **Create new survey (For publisher):**

Required fields: action,publisher\_id, survey\_name, survey

Where survey should be in below example format.

survey = [{"question\_text": "How many total counties are there",

"answer\_texts": [200, 225, 250]},

{"question\_text": "How many total rivers are there",

"answer\_texts": [10000, 200000, 300000]}]

Python example:

*response = requests.post(url=”http://127.0.0.1:8001/”, json={****"action": "create\_survey",*** *"publisher\_id": "1", "survey\_name": "world", "survey": survey})*

Returns: {"survey\_id": survey\_id}

Where survey\_id is the id assigned to the newly created survey.

1. **Submit survey (for external users):**

Required fields: action, name, email, survey\_id, survey

Where survey should be in below example format.

survey = {question\_id: answer\_id}

Python example:

*response = requests.post(url=”http://127.0.0.1:8001/”, json={****"action": "submit\_survey",*** *"name": "name2", "email\_id": "pqw2gmail.com", "survey\_id": survey\_id, "survey": survey})*

Returns: string True is submission is successful and string False

1. **Get survey results for given survey:**

Required fields: action, survey\_id

Python example:

*response = requests.post(url= http://127.0.0.1:8001/, json={"****action****":* ***"get\_survey\_results"****, "survey\_id": survey\_id})*

Returns: return below formatted object.

**Fillers** has all the emails and names of persons who have filled the survey.

**Summary** provides information about each answer counts, where count is number of people selected that answer for given question.

{ 'fillers': [{'email': 'temp@gmail.com', 'name': 'hp'}],

'summary': {

'How many total counties are there': {'200': 0, '225': 1, '250': 0}, 'are you in India': {'no': 0, 'yes': 1, 'you guess': 0},

'are you in Japan': {'no': 0, 'yes': 1, 'you guess': 0}

}

}

1. **Delete survey:**

Required fields: action, survey\_id

Python example:

*response = requests.post(url= http://127.0.0.1:8001/, json={"action":* ***"delete\_survey",*** *"survey\_id": "1" })*

Returns: {"success": result}

Where result is True if survey was deleted successfully else string False

1. **Delete question:**

Required fields: action, question\_id

Python example:

response = requests.post(url=” *http://127.0.0.1:8001/”*, json={**"action": "delete\_question",** "question\_id": "2"})

Returns: {"success": result}

Where result is True if question was deleted successfully else string False

1. **Add questions:**

Required fields: action, survey\_id, questions

Where questions is list of questions in below format.

[

{

"question\_text": "are you in Japan",

"answer\_texts": ["yes", "no", "you guess"]

},

{

"question\_text": "are you in India",

" answer\_texts": ["yes", "no", "you guess"]

}

]

Python example:

*response = requests.post(url=”http://127.0.0.1:8001/”, json={****"action": "add\_questions",*** *"survey\_id": "1","questions": questions})*

Returns: {"success": result}

Where result is True if questions was added successfully else string False

1. **Update survey name:**

Required fields: action, survey\_id, survey\_name

Python example:

*response = requests.post(url=”http://127.0.0.1:8001/”, json={****"action": "* *update\_survey\_name "****, "survey\_id": "1","questions": questions})*

Returns: {"success": result}

Where result is True if survey name was updated successfully else string False