**SI Project – Q&A maker**

**QnA Maker** is a **cloud-based API** service that lets you create a conversational question-and-answer layer over your existing data. It is used to find the most appropriate answer for any input from your **custom knowledge base (KB)** of information.

**API Endpoints:**

**/getanswer**: [Click here](http://104.131.84.65:4000/docs/)

Call to **GenerateAnswer** API using **POST** method which answer to user questions

**Endpoint URL format**: POST {Endpoint}/qnamaker/v5.0-preview.1/knowledgebases/{kbId}/ generateAnswer

**Method**: POST

**Headers**:

1. Content-type: application/json
2. Ocp-Apim-Subscription-Key

**Params**:

question

**Request Format**: json

e.g.: {“question”:” How are you?”}

**Error Codes**:

1. **200**: Question is answered by the bot
2. **400**: Bad request (Question in Invalid format or Empty question)
3. **404**: No answer found in the knowledgebase
4. **500**: Server error (e.g Incorrect host name or Connection loss or server-side technical glitch)

**Working**:

It calls **GenerateAnswer** **API**, which gives answer to the question being asked by the user.

This API responds with an answer found in its knowledgebase, if not, it returns error code 404 saying “No answer found in the database”.

If user asks no question or empty question, it responds with 400 error code, asking for question to ask.

In case of Incorrect host name or server failure or issue with the server, 500 error code is returned i.e., server error.

**Running Screenshots:**

**Graphical user interface, text, application

Description automatically generatedGraphical user interface, text, application

Description automatically generated**

**/getmetadata**: [Click here](http://104.131.84.65:4000/docs/)

Call to **Get Details API** using **GET** method which gives **Metadata** of the knowledgebase.

**Endpoint URL format**: GET {Endpoint}/qnamaker/v4.0/knowledgebases/{kbId}

**Method**: GET

**Headers**:

1. Content-type: application/json
2. Ocp-Apim-Subscription-Key

**Error Codes**:

1. **200**: Metadata of the knowledgebase is returned by the server
2. **400**: Bad request (Api request URL is invalid i.e. Knowledge base not found or Resource not found)
3. **500**: Server error (e.g. Incorrect host name or Connection loss or server side technical glitch)

**Working**:

It calls **Get Details API** which gives metadata of the knowledgebase like id, last accessed timestamp, last changed timestamp, knowledgebase name, language of it etc.

This API responds with metadata if knowledgebase is found, else, it returns error code 400 in case of wrong knowledgebase ID in URL or no knowledgebase found.

In case of Incorrect host name or server failure or issue with the server, 500 error code is returned i.e., server error.

**Running Screenshots:**

Graphical user interface, text, application

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**/getallkbs**: [Click here](http://104.131.84.65:4000/docs/)

Call to **List All** **API** using **GET** method which gives list of knowledgebases of the user.

**Endpoint URL format**: GET {Endpoint}/qnamaker/v5.0-preview.1/knowledgebases

**Method**: GET

**Headers**:

1. Content-type: application/json
2. Ocp-Apim-Subscription-Key

**Error Codes**:

1. **200**: List of knowledgebases returned by the server
2. **400**: Bad request (Api request knowledgebase URL is invalid i.e. Knowledge base not found or Resource not found)
3. **500**: Server error (e.g. Incorrect host name or Connection loss or server side technical glitch)

**Working**:

It calls **List All API** which gives metadata of all the knowledgebases of the user like id, last accessed timestamp, last changed timestamp, knowledgebase name, language of it etc.

This API responds with metadata if knowledgebase is found, else, it returns error code 400 if wrong knowledgebase ID or no knowledgebase found.

In case of Incorrect host name or server failure or issue with the server, 500 error code is returned i.e., server error.

**Running screenshots:**

Graphical user interface, text, application

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**/downloadkb**: [Click here](http://104.131.84.65:4000/docs/)

Call to **Download API** using **GET** method which downloads the entire knowledgebase.

**Endpoint URL format**:

GET {Endpoint}/qnamaker/v5.0-preview.1/knowledgebases/{kbId}/{environment}/qna

**Method**: GET

**Headers**:

1. Content-type: application/json
2. Ocp-Apim-Subscription-Key

**Error Codes**:

1. **200**: Knowledgebase downloaded from the server
2. **400**: Bad request (Api request knowledgebase URL is invalid i.e. Knowledge base not found or Resource not found)
3. **500**: Server error (e.g. Incorrect host name or Connection loss or server side technical glitch)

**Working**:

It calls **Download API** which download the entire knowledgebase with all the answers with corresponding question set in json format.

This API responds with knowledgebase if found, else, it returns error code 400 in case of wrong knowledgebase ID in URL or no knowledgebase found.

In case of Incorrect host name or server failure or issue with the server, 500 error code is returned i.e., server error.

**Running screenshots:**

**Graphical user interface, text, application

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