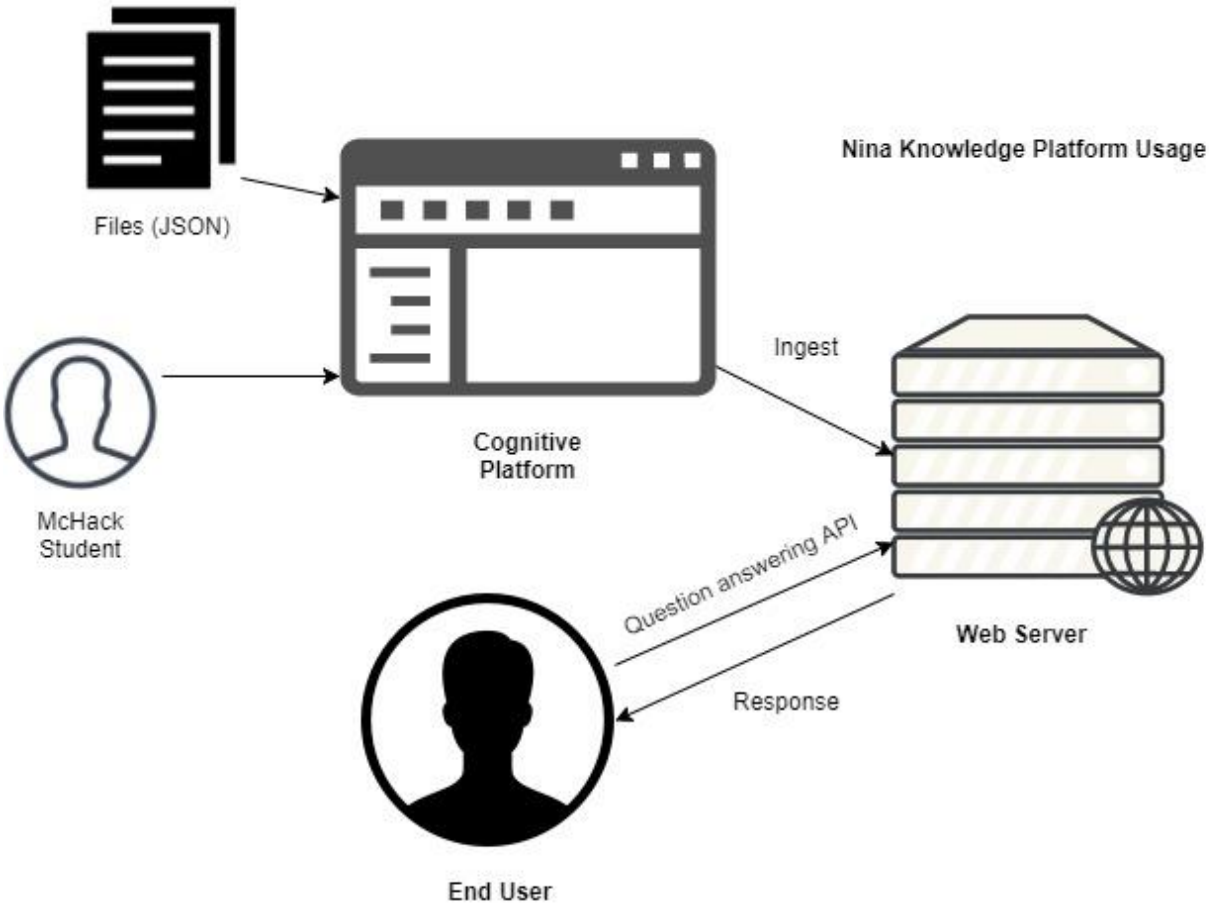
McHacks.Nuance.NiK

Nina Knowledge (NiK) provides a platform that performs complex linguistic analysis on a given dataset to retrieve most relevant responses for a user query.



To utilize this platform follow the following 4 easy steps :

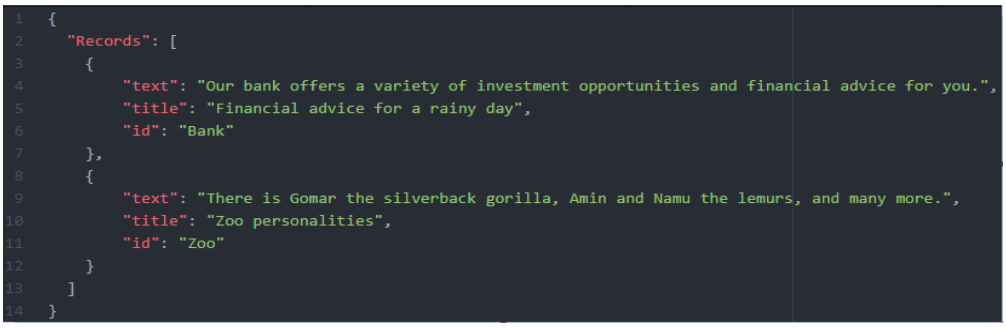
1. **Get your Team Key**
   i. Enroll with the Nuance team to gain access to your unique Team Key, which should be saved carefully. You are now all set to use Nina Knowledge.

2. **Ingesting Files**
   i. Go to: http://hack.nuance.mobi/CognitivePlatform/
   ii. From the home page, click Manage Project

iii. Ingest upload files

a. Formatting file: You will only be able to ingest 1 zipped file (max 10mb) at a time. Please place all your valid JSON data files together into a single folder.

b. Sample JSON (* each record ID must be different)



```
{
  "Records": [
    {
        "text": "Our bank offers a variety of investment opportunities and financial advice for you.",
        "title": "Financial advice for a rainy day",
        "id": "Bank"
    },
    {
        "text": "There is Gomar the silverback gorilla, Amin and Namu the lemurs, and many more.",
        "title": "Zoo personalities",
        "id": "Zoo"
    }
  ]
}
```

i. You may now upload the file to the Upload Data File box. Click Ingest uploaded files, which may take a few minutes for larger files. You are now ready to query your data. You can always Delete project data if you wish to replace/update the file. Note that while under creation, a project cannot be created or deleted.

3. Data Testing

i. From the home page, click Test Project

ii. Input your unique Team Key

iii. Input any Question and click Send Query to see your results

iv. Use the navigation bar for convenience to view query result

Note: each record corresponds to one answer item

4. Integrating the Question Answering API

i. To access the Rest API, use the following URL format: *http://hack.nuance.mobi/CognitivePlatform/Question?teamKey=<**TEAM_KEY**>&question=<**QUESTION_TEXT**>*

ii. Set <TEAM_KEY> permanently as your unique Team Key

iii. Set the <QUESTION_TEXT> dynamically as your query (* URL encoded)

a. "http://hack.nuance.mobi/CognitivePlatform/Question?teamKey=team-rqziagepsw-mghk&question="+encode(query)

b. * See https://www.w3schools.com/tags/ref_urlencode.asp for reference

iv. The response to this API will be in JSON format with the following keys:

a. ID: Identification unique to each record

b. Summary: Overview of the highest matched results

c. Score: Rating for how well the summary answers the query (50+ is excellent)

d. Title: Descriptive title of the record set in the JSON

e. Text: The actual text ingested

f. Sample JSON

```
{
    "answers": [{
            "summary": "Our Bank offers a variety of investment opportunities and financial advice for you.",
            "score": 15.3819723,
            "id": "Bank",
            "text": "Our Bank offers a variety of investment opportunities and financial advice for you.",
            "title": "Financial advice for a rainy day"
        },
        {
            "summary": "There is a Gomar the silverback gorilla, Amin and Namu the lemurs, and many more.",
            "score": 12.3819723,
            "id": "Zoo",
            "text": "There is a Gomar the silverback gorilla, Amin and Namu the lemurs, and many more.",
            "title": "Zoo personalities"
        }
    ]
}
```


Note: In case of an error you will receive an error message as an API response in json format. {“error”:” <error message> “}