**Readme File**

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**System Requirements**:

* Node.js
* Python 3.6
* Nltk
* Spacy

**Installation of Node js.**

1. Install node js on your machine.
2. Run the command node –v to ensure that node js is installed.
3. The following directories and files should be contained in a single directory which is the root folder for the project:

* .vscode
* node\_modules
* views
* xmlFiles
* package.json
* python\_code
* server

**Installation of Python 3.6**

1. Install Python 3.6, anaconda platform.
2. Install Nltk, Spacy using pip command.

**Running the NLP project**

1. Copy the entire folder NLP\_Project to the location where node.js and python are present.
2. Run cmd and navigate to this location.
3. Run the command **npm install**
4. Run the command **node server.js**

Wait till the command prompt shows:

NLP app listening on port 3000!

1. Open the browser and type:

localhost:3000

1. Now, the web app shows the UI where you can see:

You want to see our dataset or your own dataset,

On clicking the first radio button: Wikipedia article link, you can see a text box where you can enter any **Wikipedia url** and submit it. The html (only the text content on the Wikipedia page) of the url is converted to xml as the input to python code is dataset in the form of **xml only.**

The xml generated is shown in the left text area and the questions generated are shown in the right text area.

Now if you want to see questions of our dataset, select the second radio button, you will be asked to upload a file (This file is our dataset contained in the xmlFiles directory, filename: xmlFromFile). Again on clicking the Upload file button, you can see the xml content of the file in the left text area and the generated questions in the right text area.

**Note**: The node.js should be run from an environment which support python 3.6. The entire code for framing question is written in python 3.6