Suraj Verma

Wireframe Document

News Article Sorting

Document Version Control

Date Issued	Version	Description	Author
31/03/23	1	Initial WD – V1	Suraj Verma

Contents

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1 Introduction

What is Wireframe Document?

A wireframe is a document that outlines the structure of a website or app. It's a tool that clearly indicates what needs to be on every page. More importantly it establishes the relationship between everything on each page.

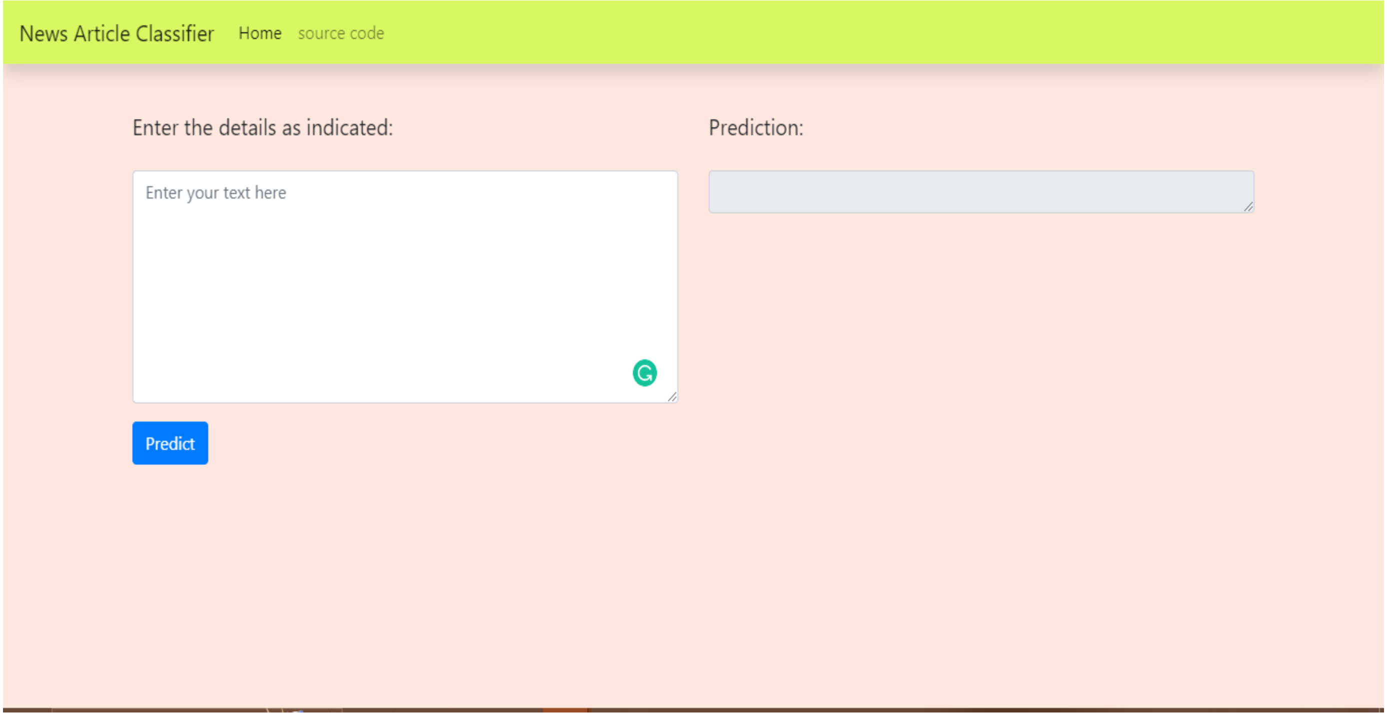
What is Scope?

Wireframing is a way to design a website service at the structural level. A wireframe is commonly used to layout content and functionality on a page which takes into account user needs and user journeys. Wireframes are used early in the development process to establish the basic structure of a page before visual design and content is added.

2 Prediction Webpage

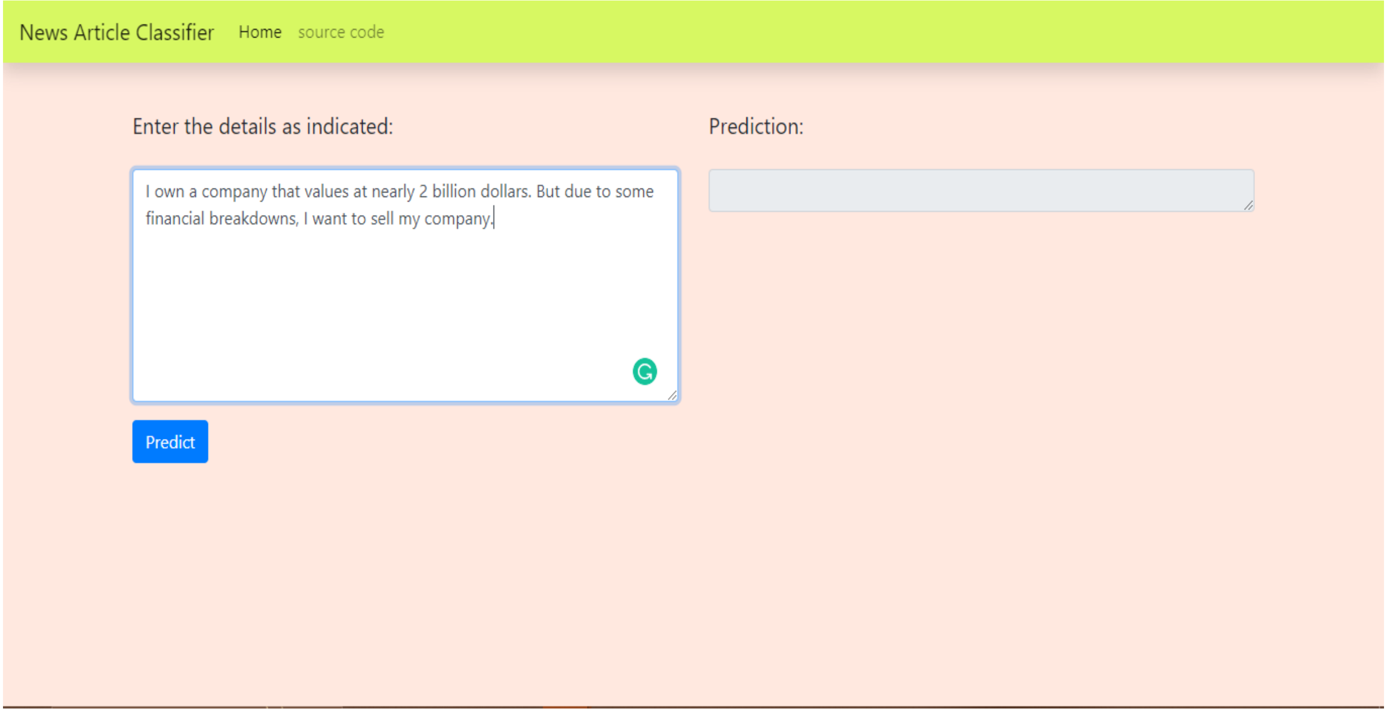
2.1 Homepage

Homepage of the deployed app.



- **Home** – Homepage for Metro Interstate Traffic Prediction app.
- **Source Code** – Redirects to the GitHub source code page.
- **Input fields** – Input with respect to model trained features .
- **Input ranges** – Placeholder guiding the valid ranges for input. Any values outside these ranges will lead to the error page.
- **Prediction** – Prediction will be displayed here.
- **Predict** – Button to display result of prediction.

2.2 Giving form inputs

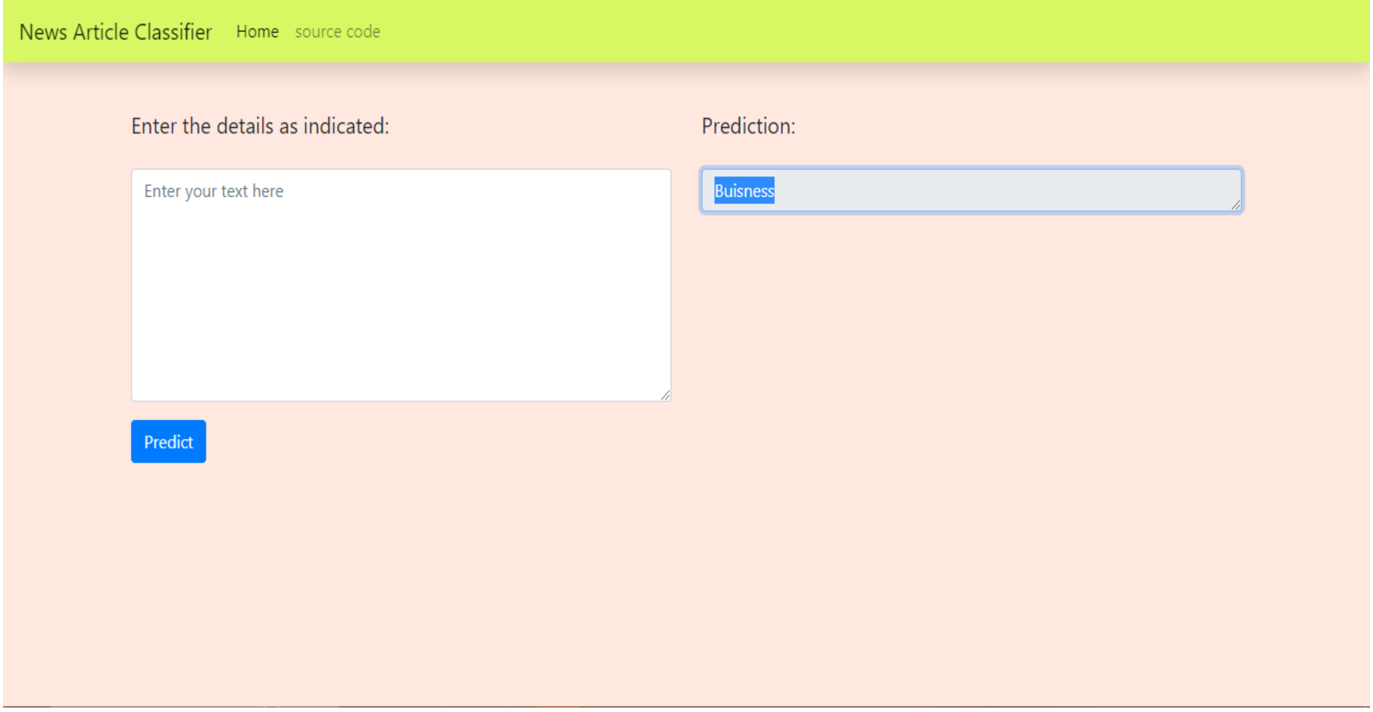


I own a company that values at nearly 2 billion dollars. But due to some financial breakdowns, I want to sell my company.

The values entered in each field should lie between the valid input range, otherwise upon prediction the application will be redirecting the error page with the respective error.

2.3 Prediction

The Predicted result are too ranged between appropriate analyzed values, but as far as the input value is within the domain range, the prediction out of range exception is less likely to be triggered.

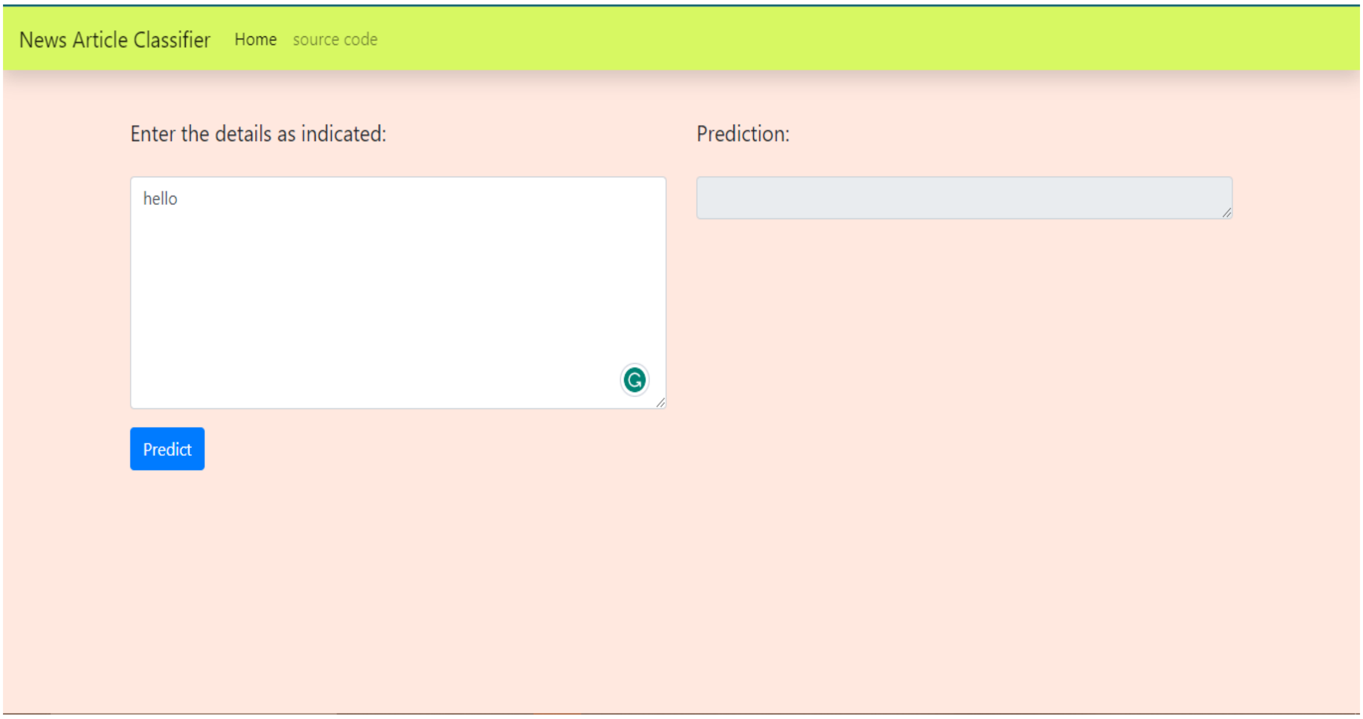


Enter the details as indicated:

Prediction: Buisness

2.4 Testing with incorrect ranged input

The application is tested with intended exceptions such as invalid columns, invalid datatypes and invalid ranges.

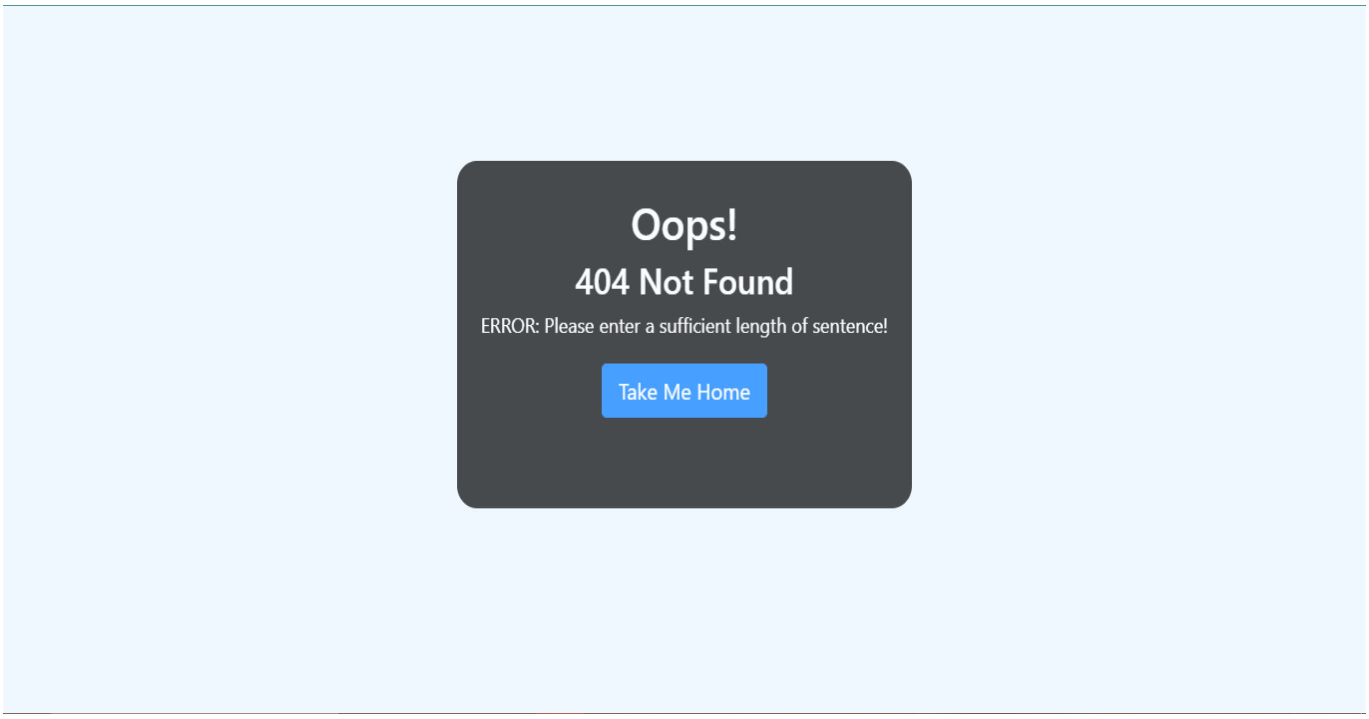


Enter the details as indicated:

hello

Prediction:

,



Oops!

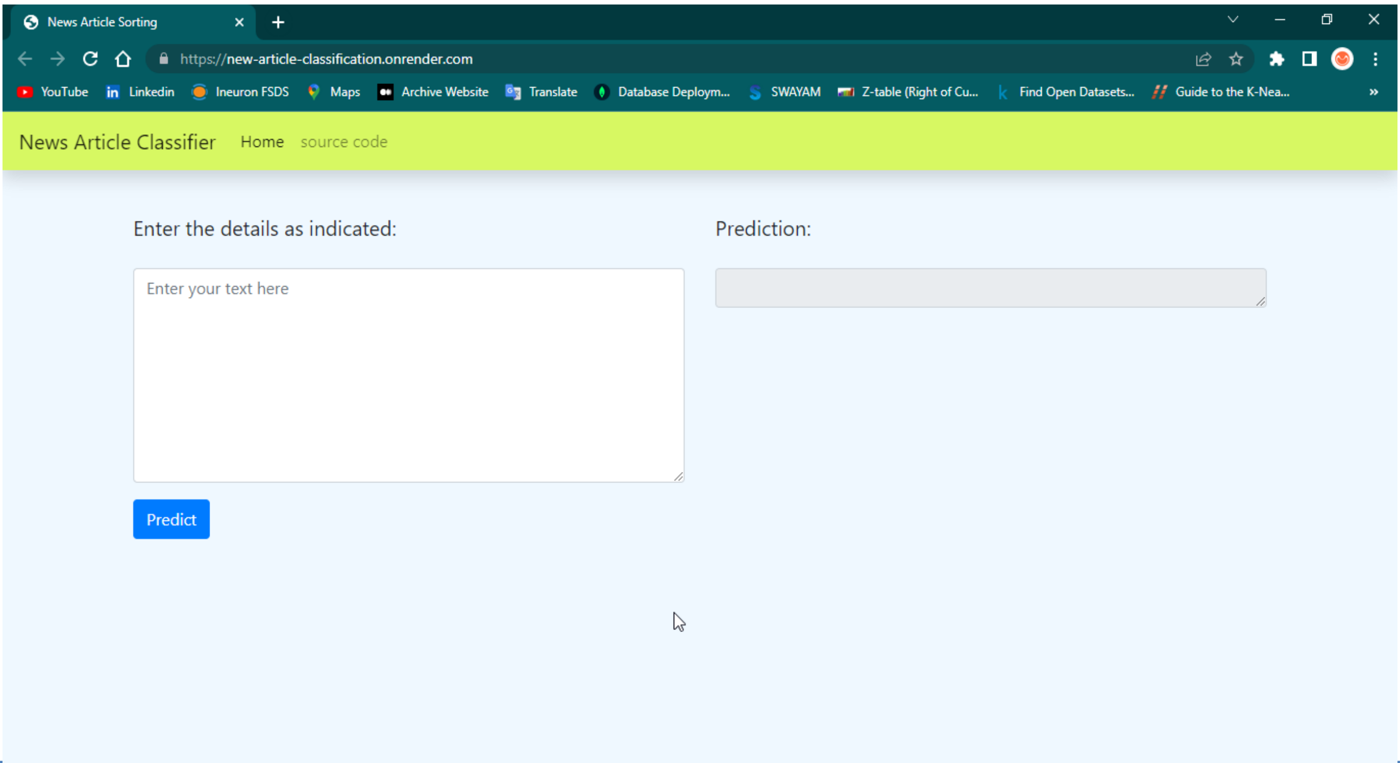
404 Not Found

ERROR: Please enter a sufficient length of sentence!

3 API Response

3.1 Homepage after deploying app

Predicting traffic volume through API response is the second feature of our prediction app. The deployed app link can be used for API response.



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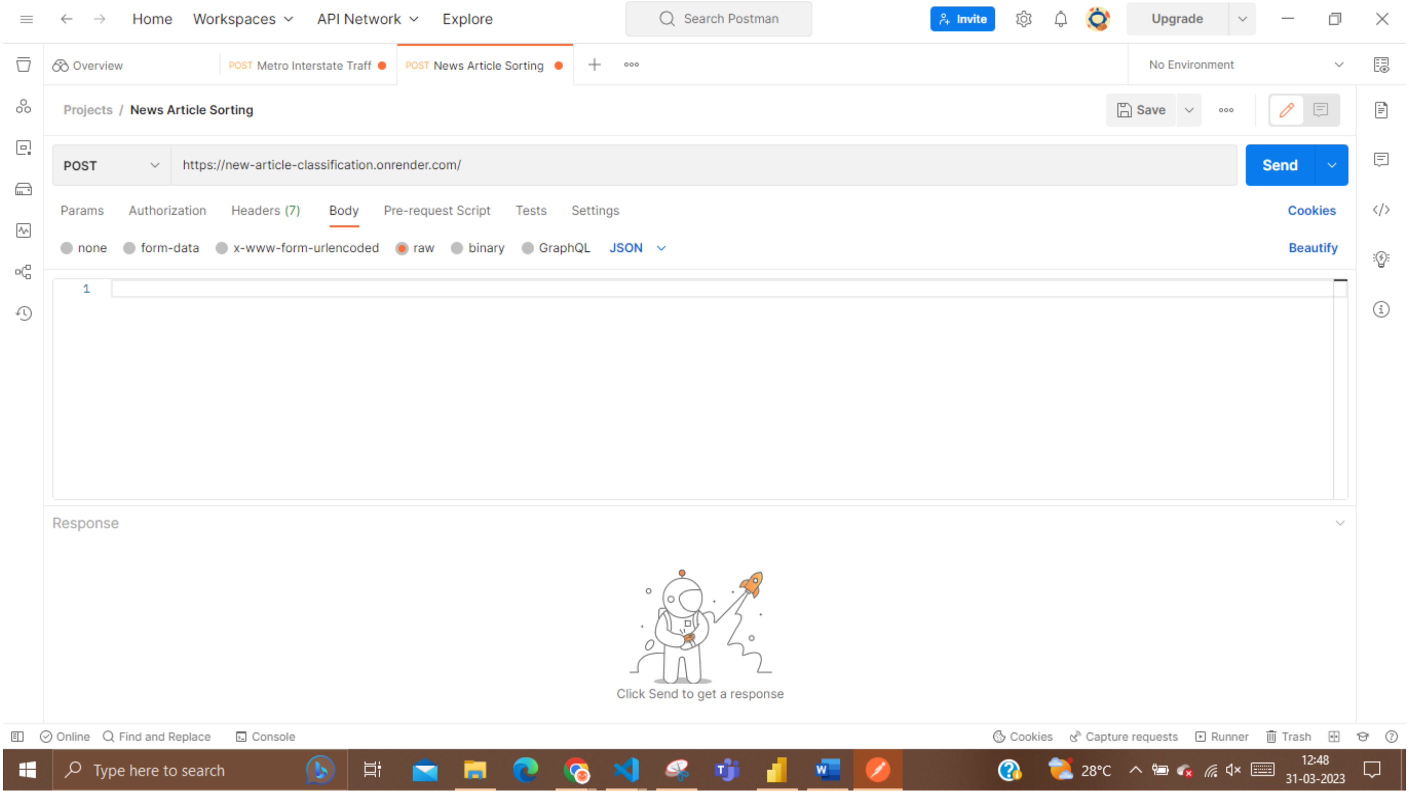
3.2 Testing with Postman

For testing Prediction using API request we will use Postman. Postman is an API platform for developers to design, build, test and iterate their APIs.



Projects / News Article Sorting

POST https://new-article-classification.onrender.com/

Body: raw JSON

Response

Click Send to get a response

3.3 Providing input in json format

As per our model, for API response prediction we accept only json formatted response. So go to Body>raw and write json formatted inputs.

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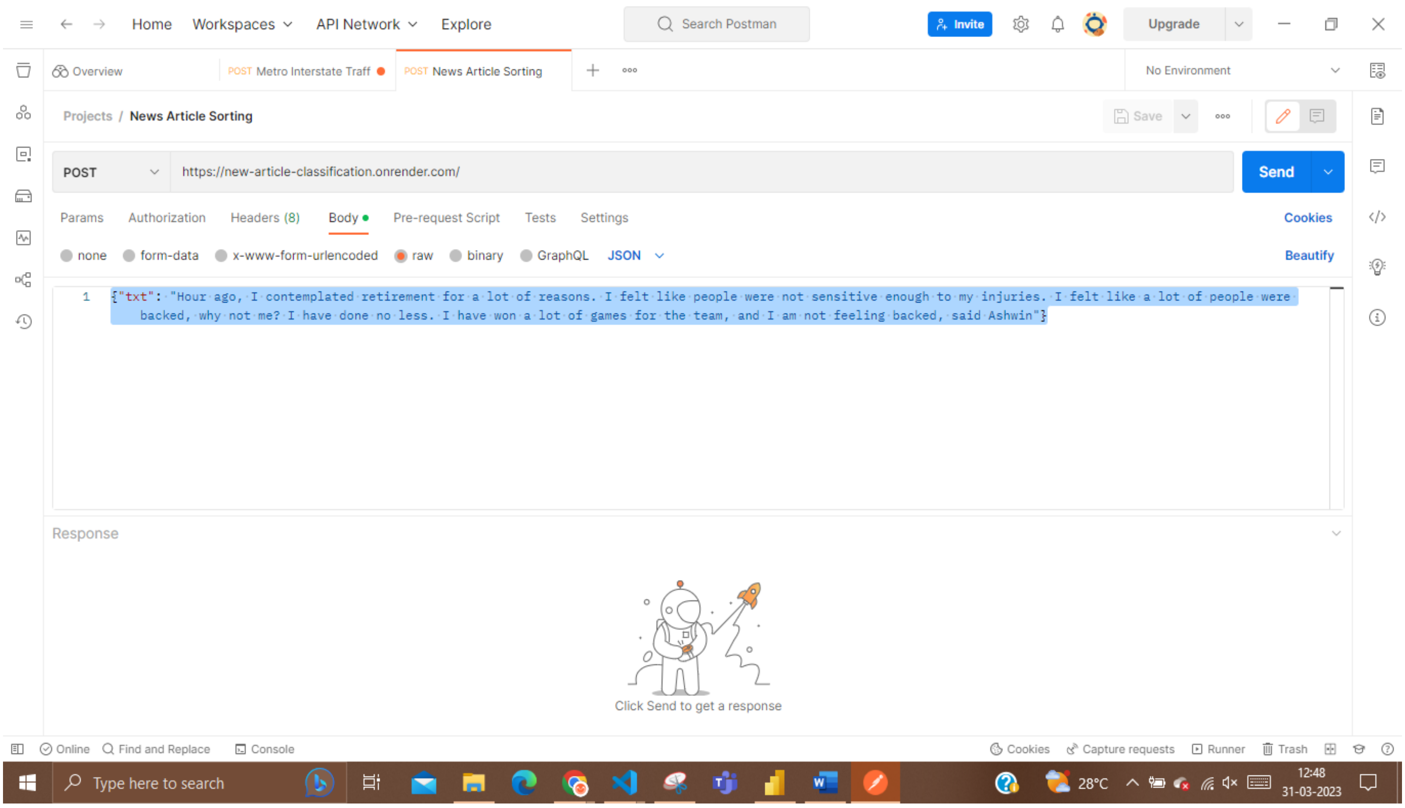

POST https://new-article-classification.onrender.com/

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{"txt": "Hour ago, I contemplated retirement for a lot of reasons. I felt like people were not sensitive enough to my injuries. I felt like a lot of people were
    backed, why not me? I have done no less. I have won a lot of games for the team, and I am not feeling backed, said Ashwin"}
```

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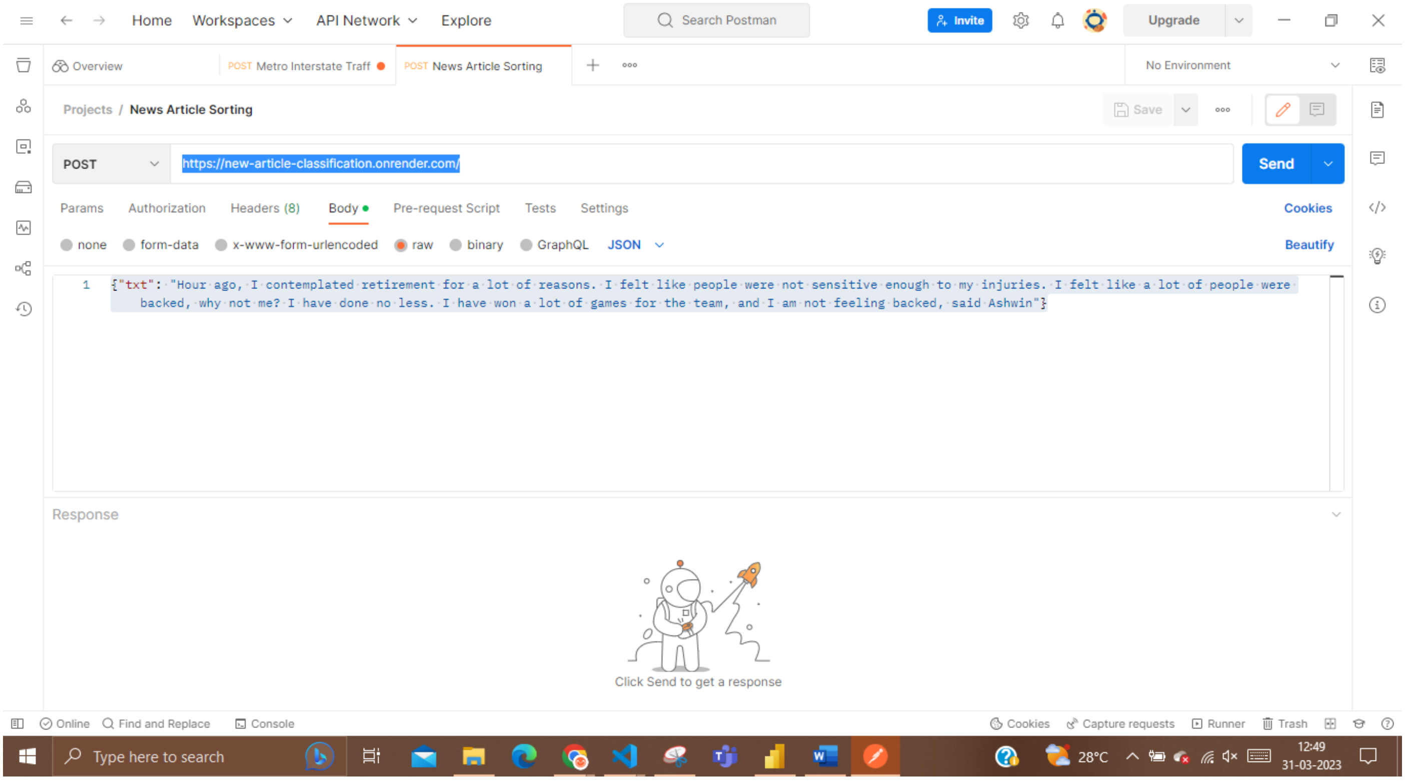
3.4 Prediction using API

After providing the correctly ranged inputs, we will use the deployed app link as an API for returning prediction response form the Postman.



POST https://new-article-classification.onrender.com/

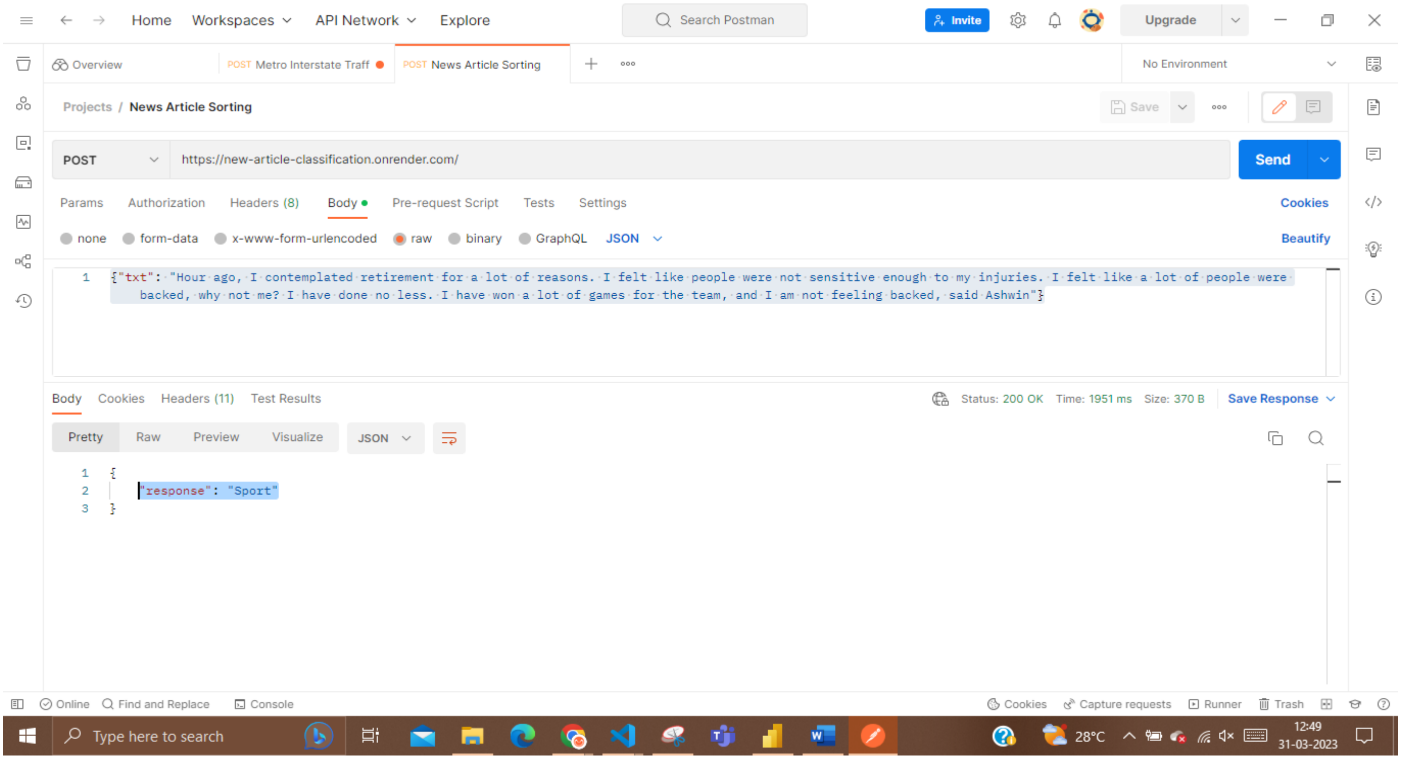
Body: raw JSON

```
{"txt": "Hour ago, I contemplated retirement for a lot of reasons. I felt like people were not sensitive enough to my injuries. I felt like a lot of people were
    backed, why not me? I have done no less. I have won a lot of games for the team, and I am not feeling backed, said Ashwin"}
```

Response

Click Send to get a response

Click on send to get the prediction result.



POST https://new-article-classification.onrender.com/

Body: raw JSON

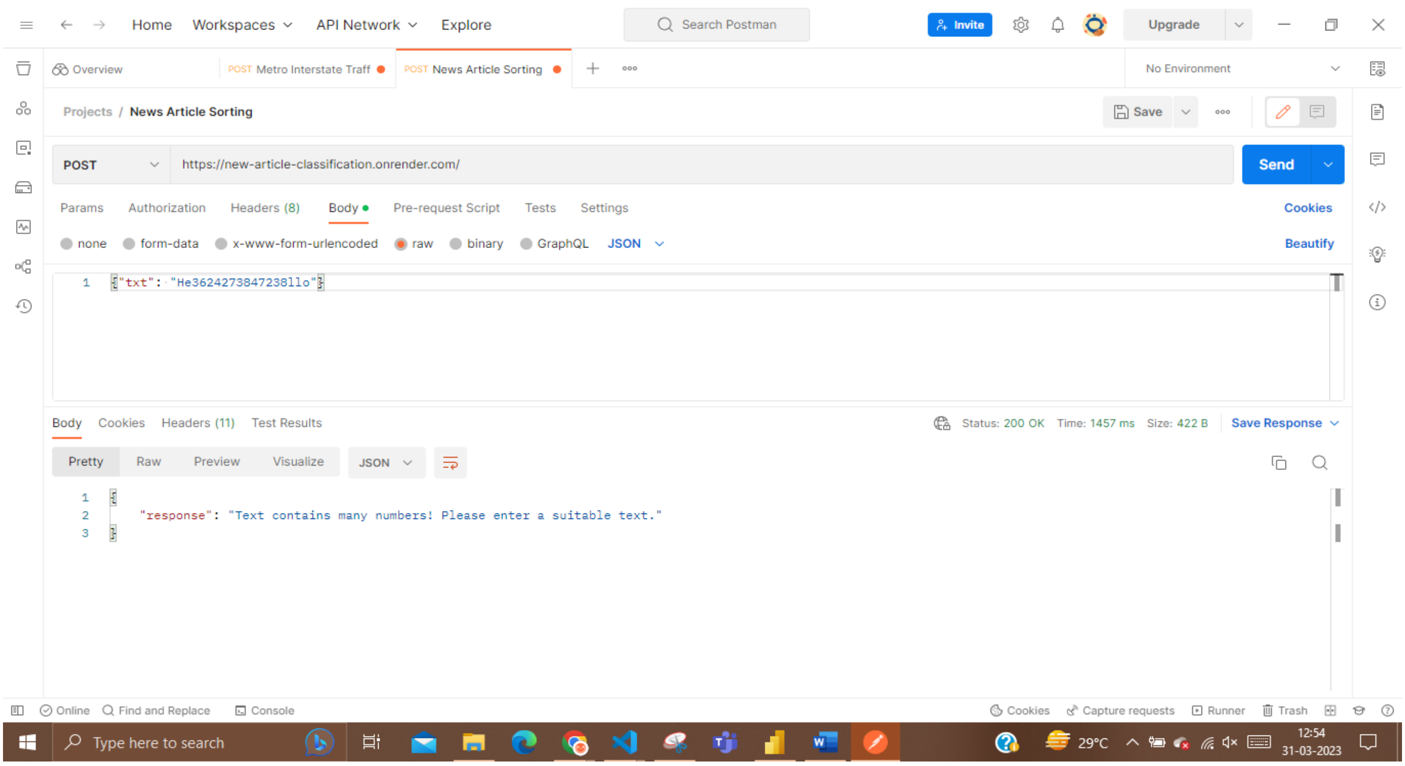
```
{"txt": "Hour ago, I contemplated retirement for a lot of reasons. I felt like people were not sensitive enough to my injuries. I felt like a lot of people were
    backed, why not me? I have done no less. I have won a lot of games for the team, and I am not feeling backed, said Ashwin"}
```

Status: 200 OK Time: 1951 ms Size: 370 B

```
{
    "response": "Sport"
}
```

3.5 Testing API response with an intended exception

Here we will test the prediction response with an intended irrelative column in our json input.



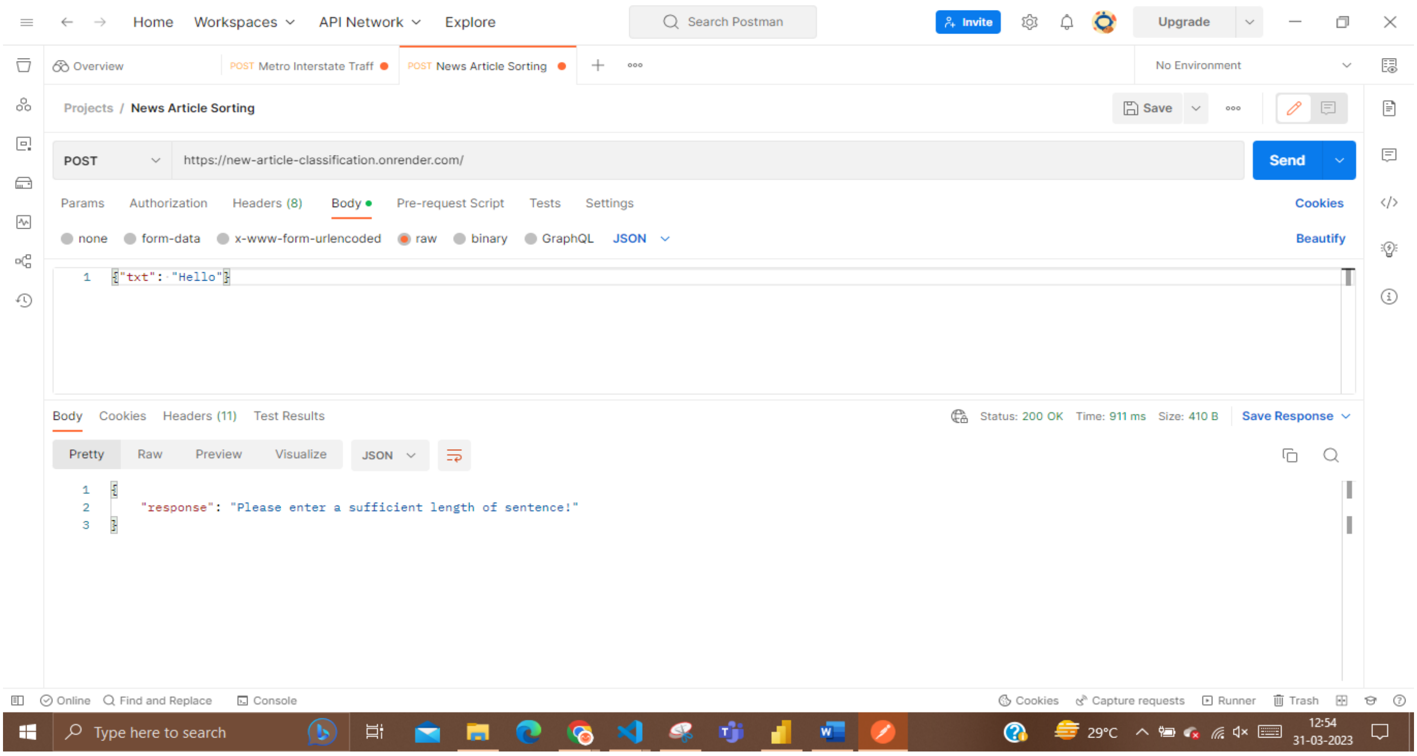
POST https://new-article-classification.onrender.com/

Body: ○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{"txt": "He3624273847238llo"}
```

Body Cookies Headers (11) Test Results — Status: 200 OK Time: 1457 ms Size: 422 B

```
{
    "response": "Text contains many numbers! Please enter a suitable text."
}
```



POST https://new-article-classification.onrender.com/

Body: ○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{"txt": "Hello"}
```

Body Cookies Headers (11) Test Results — Status: 200 OK Time: 911 ms Size: 410 B

```
{
    "response": "Please enter a sufficient length of sentence!"
}
```