

Project Name : Track Analyzer

This is fleet information querying system for logistic companies used for generating insights and perform analytics of their fleet operations by the managers and executives of the company. The users can easily query the application to find the status of the fleets and analytics of fleet operations with English like queries.

It has a data warehouse, NLP Engine, Python Application, Web server.

Data warehouse stores fleet (trucks, cargo, ships) information uploaded from the operational database of the logistic company

NLP Engine is Natural Language tool that translates texts in English to SQLs in Databases.

Python Programs sends this query to data warehouse and executes the query. The result is then transformed to visualization.

This has Web based user interface. User can submit queries and view the results in a web page.

The prototype is capable of taking around 20 frequently used queries english language used by company and can be extended to many more texts easily.

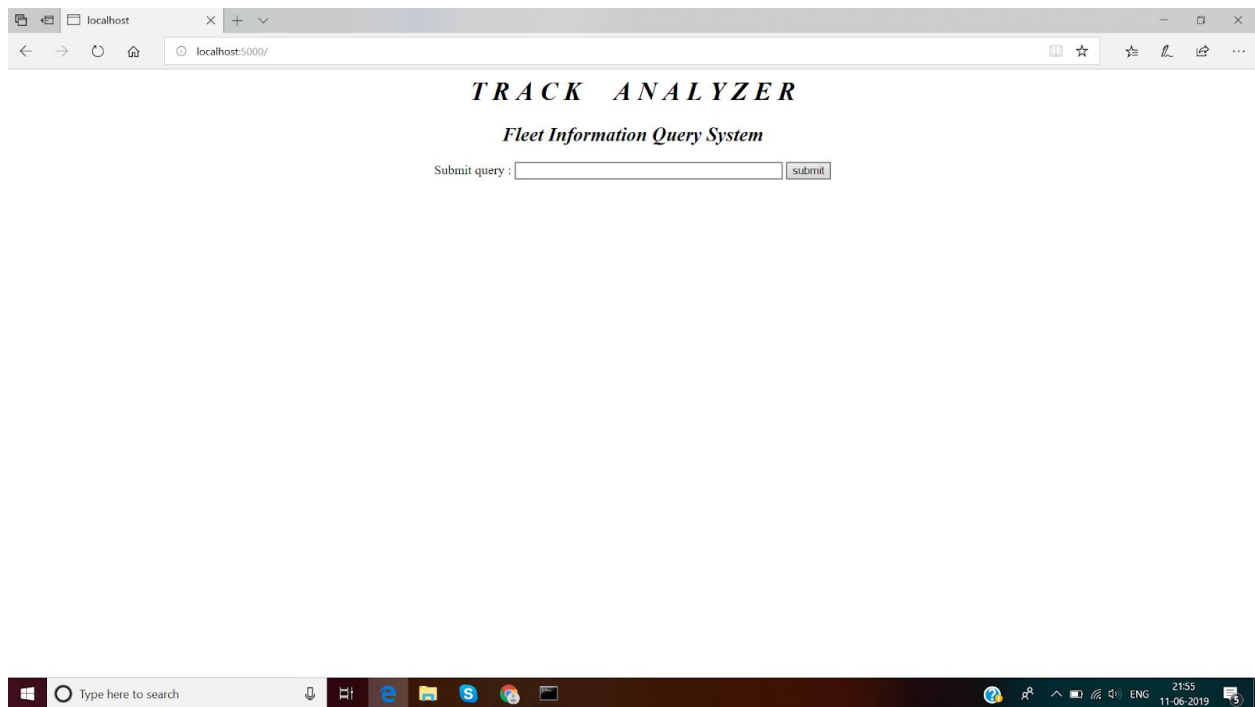
Here is the snapshot of prototype execution:

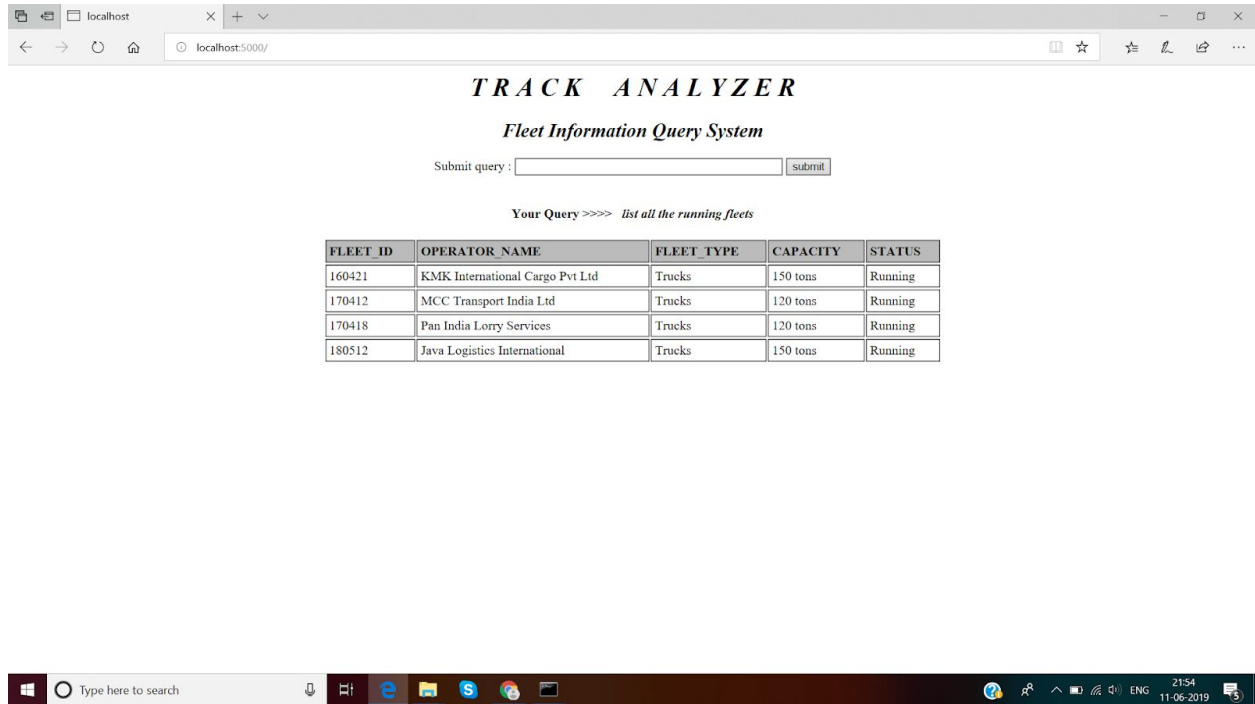
Step 1: Open any commonly used browser. Type the URL.

Step 2: Web page with textbox will be displayed. Type your query in the text box

Step 3: Press submit button or enter key

Step 4: Visualize the response from the data warehouse





Frequently used queries

1. List of fleets
2. Show me running fleets
3. List of planned fleets
4. List of closed fleets
5. What are my inactive fleets
6. Show me delayed tracks
7. List all tracks in transit
8. Show me completed tracks
9. List all the track started today
10. List all the tracks with eta today
11. List all tracks in running today
12. List all tracks reached destination today

The system can be easily extended to further queries on E-way bills, Invoice clearances and GST related analytics information in the post GST era. This application is very handy for domestic and international logistics/cargo movers companies.