

# OHLC ENGINE

## README File

### Team - 2

#### Simple Design Criteria:

##### Solution 1:

- A web page using JavaScript is made which asks for Stock Symbol, date range (daily, weekly or monthly) and type of chart (OHLC, Line Chart) and clicking the search button gives the required chart. It also gives history of the searches and detailed information about any stocks.

##### Solution 2:

- A web page using Python is made which asks for Stock Symbol, date range (daily, weekly or monthly) and type of chart (OHLC, CandleStick Chart, Bar Chart) and clicking the search button gives the required chart. It also gives history of the searches and detailed information about any stocks.

#### Methods:

##### Solution 1:

- Used JavaScript for Backend and Bootstrap and HTML for Frontend.

##### Solution 2:

- Used Python(Django) in Backend and HTML in Frontend.
- Created DataFrame from the given JSON using Pandas.
- Processed data with the help of DataFrame and Lists.
- Plotted charts using Plotly.

#### Workers:

##### Solution 1:

- Sub Module(Read)
- Sub Module(FSM)

##### Solution 2:

- Sub Module(Read): ProblemStatementNirma->analizer->readJson.py

- Sub Module(FSM): ProblemStatementNirma->analyzer->views.py
- Sub Module(Web View):  
ProblemStatementNirma->analyzer->templates->analyzer.html

## **Data Structures:**

### **Solution 1:**

- JSON
- Array

### **Solution 2:**

- JSON
- Data Frame for storing JSON data
- Dictionary
- Lists