

## Project Design Phase-II

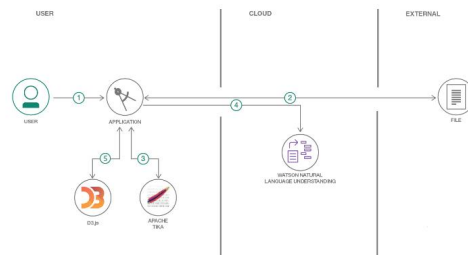
|               |                            |
|---------------|----------------------------|
| Date          | 03 October 2022            |
| Team ID       | PNT2022TMID38707           |
| Project Name  | Crude Oil Price Prediction |
| Maximum Marks | 4 Marks                    |

### Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

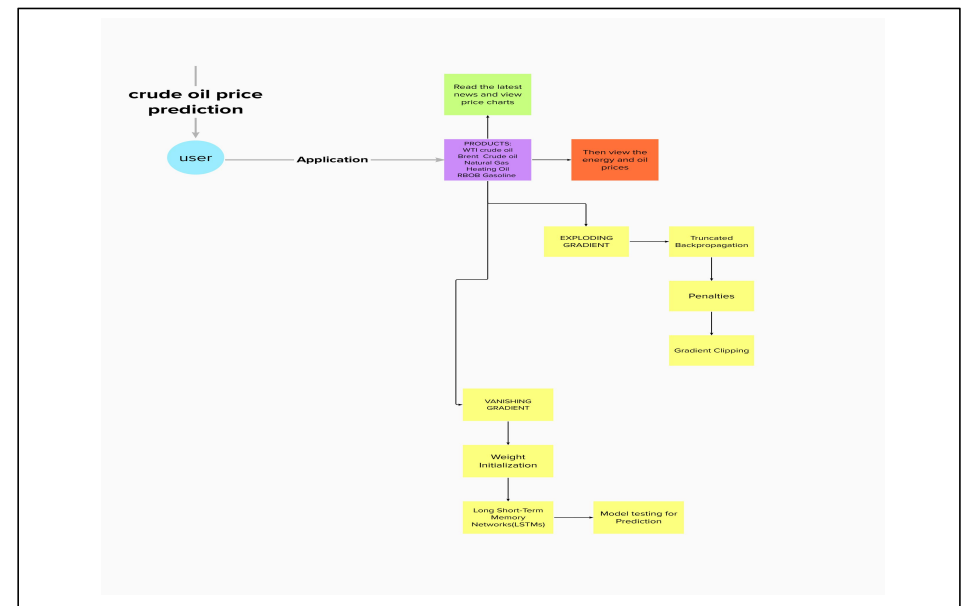
### Example: (Simplified)

## Flow



1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

### Example: DFD Level 0 (Industry Standard)



## User Stories

Use the below template to list all the user stories for the product.

| User Type               | Functional Requirement (Epic) | User Story Number | User Story / Task   | Acceptance criteria                            | Priority | Release  |
|-------------------------|-------------------------------|-------------------|---|--|----------|----------|
| Customer (Mobile user)  | Application                   | USN-1             | As a User Direct Open With Google Play Store App<br>User Can Download The Crude Oil Price   | I can access own decisions.                    | High     | Sprint-1 |
|                         | Available Products            | USN-2             | As a User Using The Application There Are So Many Products In Crude Oil Price App<br>User Update The Energy And Oil Price Instant The application | I can receive the data once click then confirm | High     | Sprint-1 |
|                         | Additional Features           | USN-3             | As a User Can Read Latest News And View Oil Price Charts<br>User View Major Energy Quotes<br>User Can Using A Multiple Color Themes               | I can view then read the price prediction.     | High     | Sprint-2 |
|                         | Expectations                  | USN-4             | User Can Exchange Rates And Currency Converter  | I can expect                                   | Medium   | Sprint-1 |
|                         | Login                         | USN-5             | As a user, login directly then no email,username ,password.   |  | High     | Sprint-1 |
|                         |                               |                   |   |  |          |          |
| Customer (Web user)     |                               |                   | As a user I can view the crude oil price  | I can view the price directly                  | High     | Sprint-1 |
| Customer Care Executive |                               |                   | As a user I executive the given price history   | I can accept the terms                         | medium   | Sprint-1 |
| Administrator           |                               |                   | As a administer it predict the output   | Show the result                                | High     | Sprint-1 |
|                         |                               |                   |   |  |          |          |
|                         |                               |                   |   |  |          |          |
|                         |                               |                   |   |  |          |          |

