

Project Design Phase-II Data Flow Diagram & User Stories

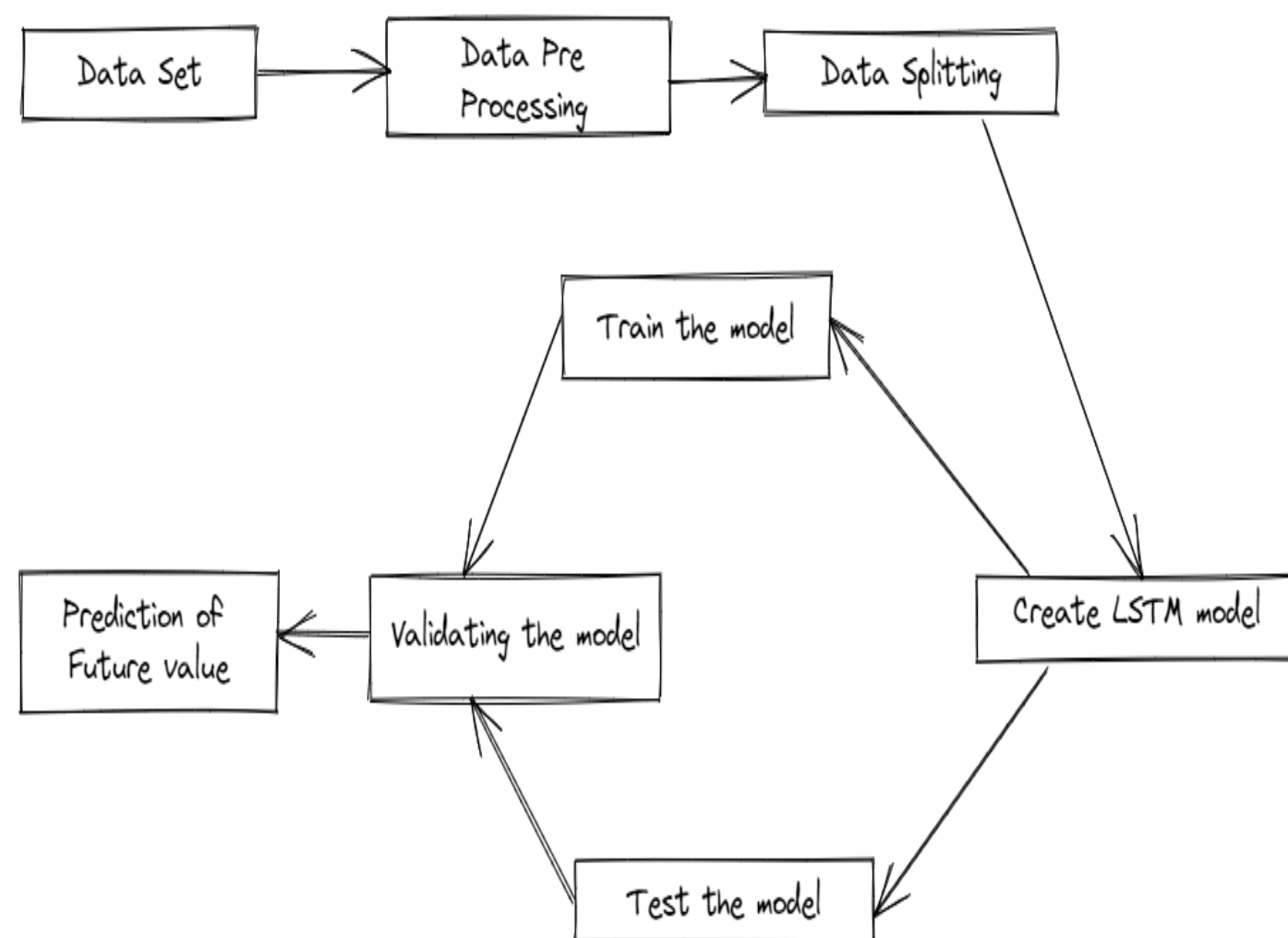
Date	29 October 2022
Team ID	PNT2022TMID1058
Project Name	Crude Oil Price Prediction
Maximum Marks	4 Marks

Data Flow Diagrams:

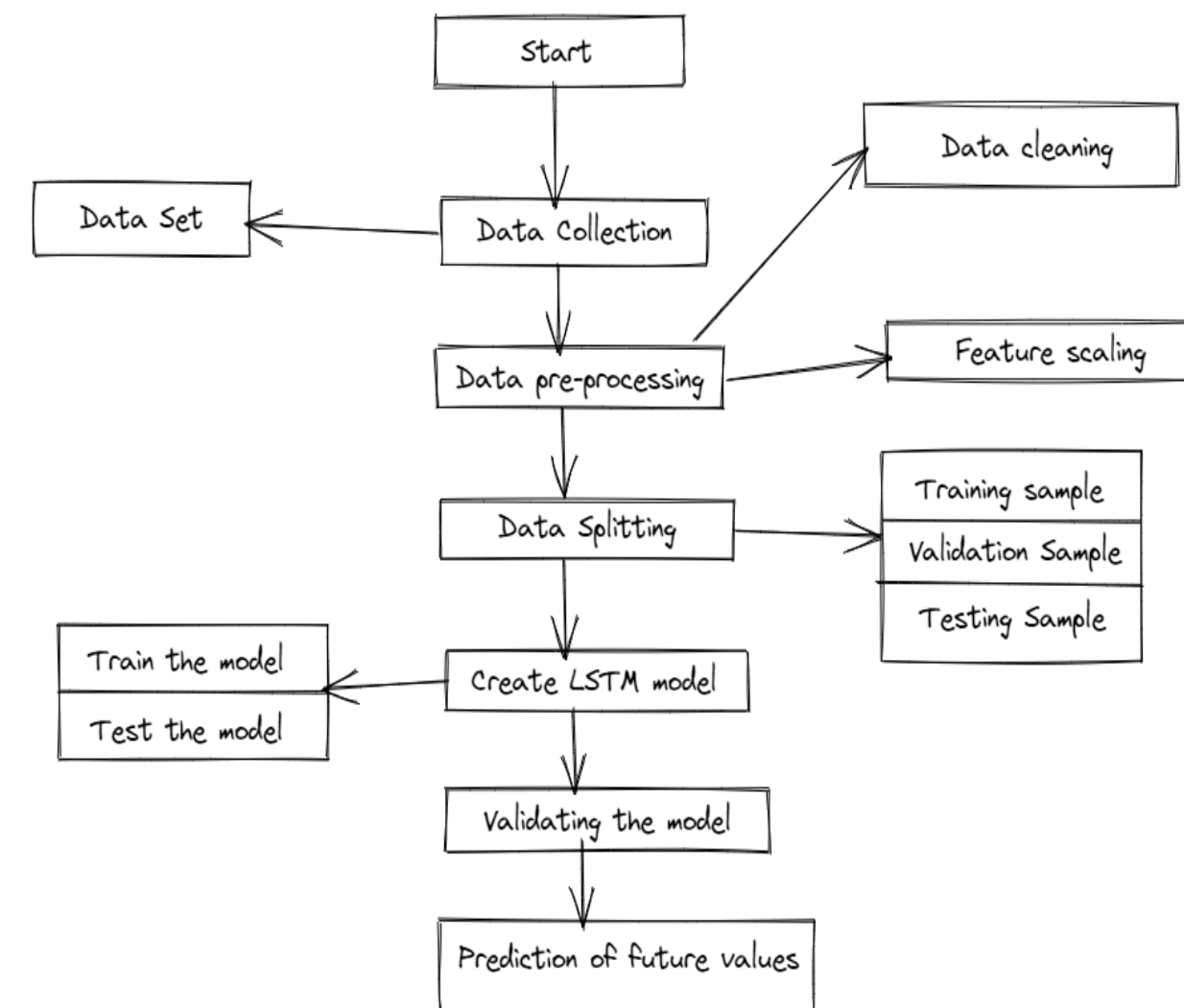
A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is simplified

Example: Simplified

Flow



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 (People)	Registration	USN-1	Users can register for the application by entering their email address, and password, and confirming the password.	The account / dashboard can be accessed by me	High	Sprint-1
		USN-2	Upon registration for the application, I will be able to do so using my Gmail account.	With my Gmail account, I am able to sign up for the dashboard and access it.	Medium	Sprint-2
	Login	USN-3	My account can be accessed at any time by entering my email address and password, as I am a registered user.	My email address and password allow me to login to the site.	High	Sprint-1
	Historical data management	USN-4	It is my responsibility as a user to split the dataset to be used for training and testing.	The dataset has been split into training and testing parts.	High	Sprint-1
	Model Building	USN-5	It is my responsibility as a user to build a model and train the model. It is my responsibility to test the model to predict future prices.	We build the model, train it, and test it to make sure it is working well.	High	Sprint-1
Administrator	Login	USN-1	The Analysis page can be accessed by me as an Administrator as long as I am logged in.	Models are built, trained, and tested to ensure they work.	High	Sprint-1
	Dashboard	USN-2	Administrators have access to the Dashboard.	Details of the features can be updated.	Medium	Sprint-2
	Authentication	USN-3	I can verify the user's identity as an Administrator.	You can check your email and password.	High	Sprint-1
	Authorization levels	USN-4	It is my responsibility to determine the extent of the user's rights.	Verified the user is authenticated and properly identified.	Medium	Sprint-2