Project Design Phase-II
Data Flow Diagram &User Stories

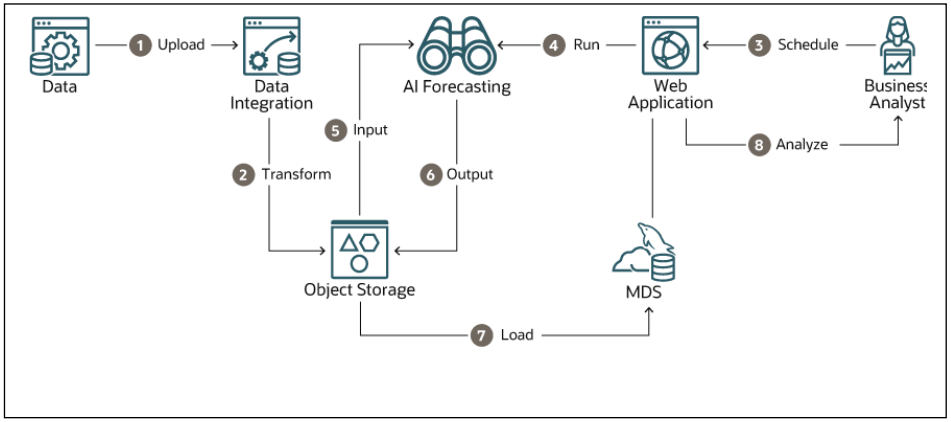
Date	03October 2022
Team ID	PNT2022TMID22680
Project Name	Project – DemandEst – AI powered Food Demand Forecaster
Maximum Marks	4 Marks

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.

Flow:

1. The training data is uploaded for providing the training to the machine.
2. Then the uploaded data is transformed to the object for easy access.
3. The application user will give the input to the application.
4. Then the given data is forecasted using the AI application for predicting the demand.
5. Then the prediction are done by using the training datasets
6. AI uses the training dataset as input and gives the related output to the object storage.
7. These are results are stored into the IBM cloud for future usage.
8. Finally the web application shows the accurate result to the user.



User Stories:

User Type	Functional Requirement(Epic)	User Story Number	User Story I Task	Acceptance criteria	Priority	Release
Customer (Web user)	Home	USN-1	In the Home Page, I can view the guidelines of how to use the website and the overall use of the website.	I can view the guidelines	low	Sprint-1
	Dashboard	USN-2	As a user, I can see Home Page and Prediction Page. It helps to navigate from one page to another by a click.	I can access the dashboard	Low	Sprint-2
	Choose Input	USN-3	In Prediction Page, I can give input for forecast food demand prediction and gives input as area, pin code, type of food, etc..	I can give input by typing into text field	Medium	Sprint-3
		USN-4	As a user, I can get an accuracy rate with the Prediction by entering the necessary details required by the website.	I can get different forms of output	High	Sprint-4
	Recognize	USN-5	As a user, I can see that the GUI processing the input using trained model and stores the output for the future use.	I can perform handwritten digit prediction	High	Sprint-1
	Prediction	USN-6	As a user, I can get accuracy rate by	I can get the	Medium	Sprint-1

			pressing the predict button provided by the AI application.	accuracy of the output		
Customer (Mobile user)	Home	USN-7	As a user, I can access application in mobile phone, PC, tablets and other form of digital devices.	I can access the dashboard with mobile	Medium	Sprint-1
	Recognize	USN-8	I can give inputs and retrieve output withaccuracy by using the mobile and other devices.	I can give input data and get output with a mobile device	High	Sprint-2