

Project Design Phase-II

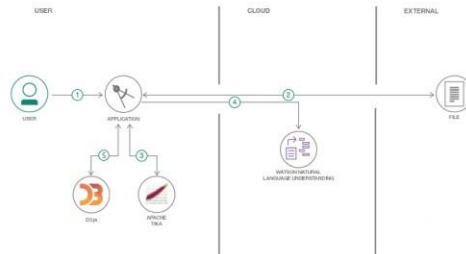
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	NM2023TMID09402
Project Name	Project – Indian Food EDA
Maximum Marks	4 Marks

Data Flow Diagrams:

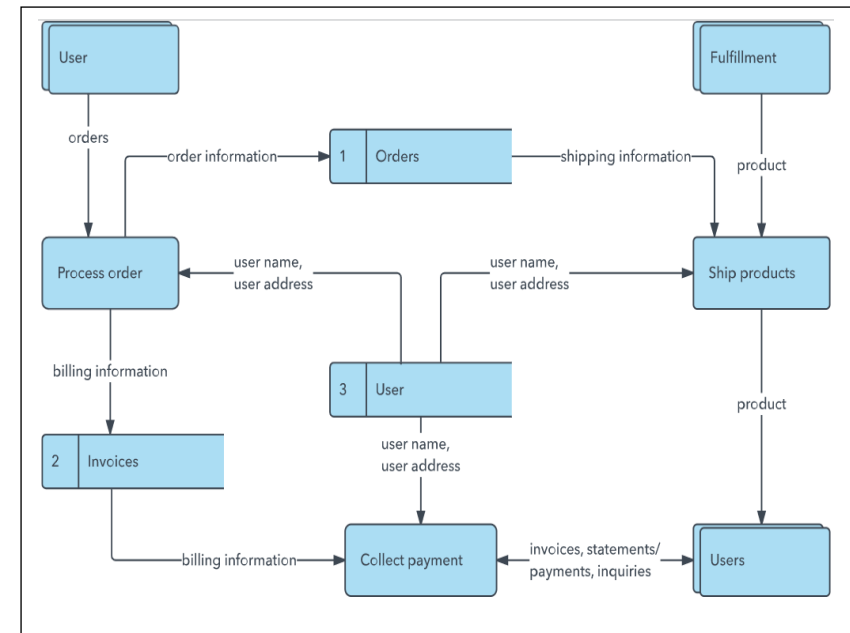
Example: (Simplified)

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:

User Type	Functional Requirement	User Story/Task	Acceptance Criteria	Priority	Release
Food Enthusiast	Explore dataset to discover trending ingredients and cooking techniques	As a food enthusiast, I want to explore the dataset to discover trending ingredients and cooking techniques.	- Successfully access and load the dataset - Generate a list of trending ingredients and cooking techniques based on dataset analysis	High	Release 1
Nutritionist	Analyze nutritional information to identify healthy and balanced recipes for meal planning	As a nutritionist, I want to analyze nutritional information in the dataset to identify healthy and balanced recipes for meal planning.	- Extract and analyze nutritional data accurately - Identify recipes meeting specified nutritional criteria	High	Release 1
Chef	Visualize the popularity of different cuisines over time	As a chef, I want to visualize the popularity of different cuisines over time to stay informed about evolving culinary trends.	- Generate clear and insightful visualizations of cuisine popularity over time	Medium	Release 2
Home Cook	Find recipes with simple and easily available ingredients for quick meal ideas	As a home cook, I want to find recipes with simple and easily available ingredients for quick meal ideas.	- Implement a search or filter functionality for recipes based on simplicity and ingredient availability	High	Release 1

User Type	Functional Requirement	User Story/Task	Acceptance Criteria	Priority	Release
Restaurant Owner	Analyze customer reviews and ratings to understand preferences and improve menu offerings	As a restaurant owner, I want to analyze customer reviews and ratings to understand preferences and identify areas for menu improvement.	- Extract and analyze sentiment from reviews - Identify key areas for menu improvement based on analysis	High	Release 2
Food Blogger	Explore seasonal trends in ingredients to create timely and relevant content	As a food blogger, I want to explore seasonal trends in ingredients to create timely and relevant content for my audience.	- Identify seasonal patterns in ingredient usage - Provide insights for creating relevant content based on seasonal trends	Medium	Release 2