

Project Design Phase-II Data Flow Diagram & User Stories

Date	19 October 2022
Team ID	PNT2022TMID35642
Project Name	Project – University Admit Eligibility Predictor
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.

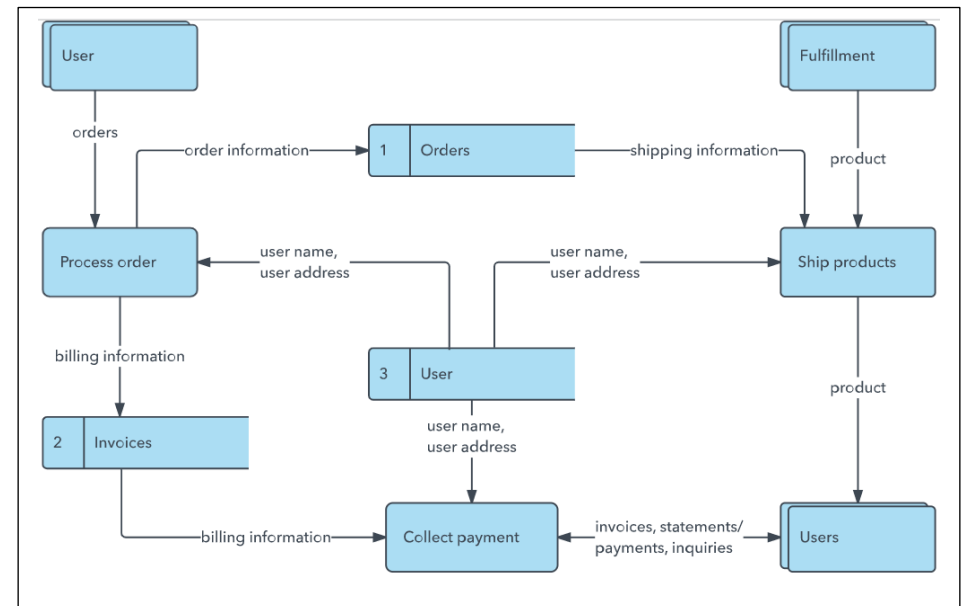
Example: (Simplified)

Flow

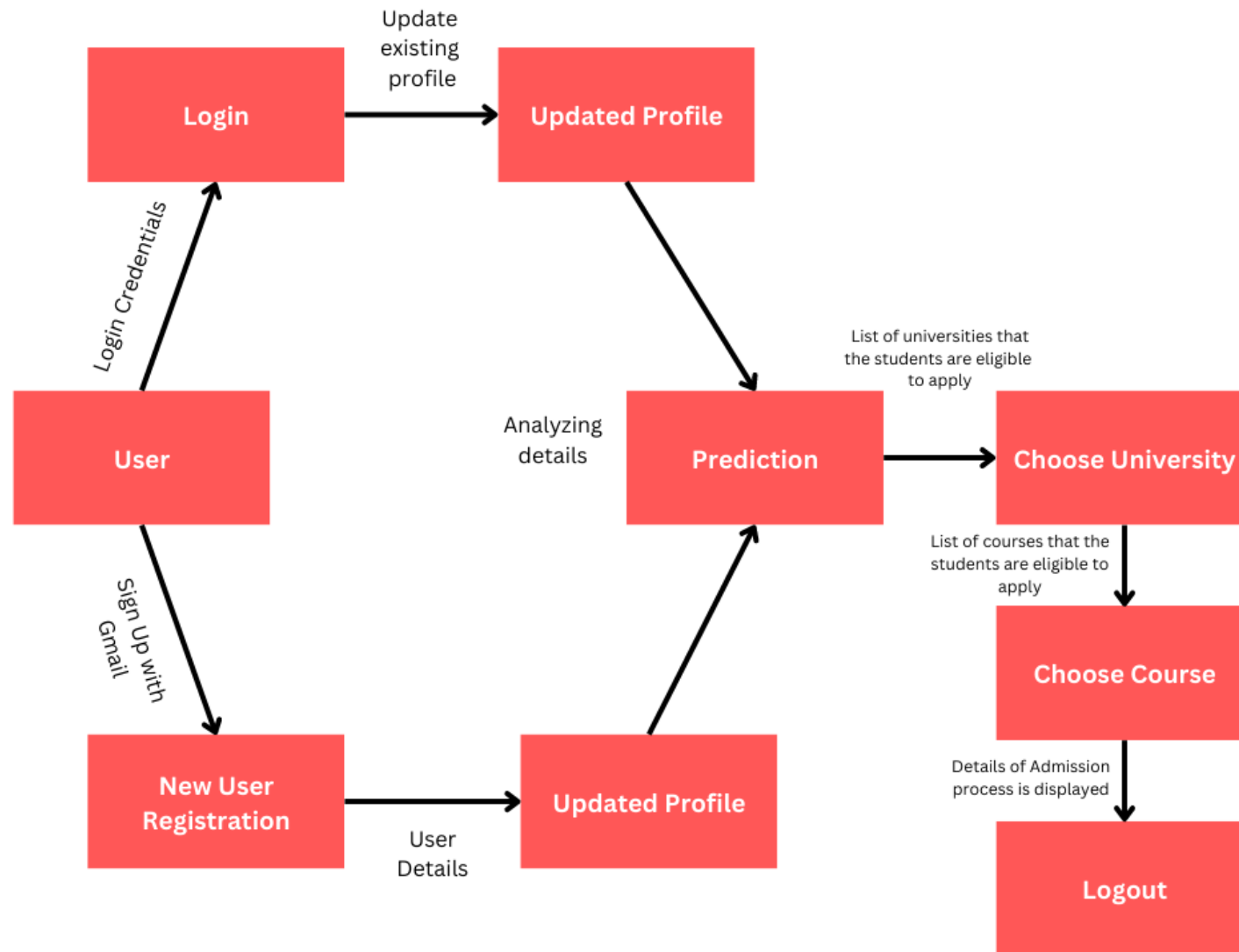


1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using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

Example: DFD Level 0 (Industry Standard)



Data Flow Diagram



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)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Gmail	I can access my account	Medium	Sprint-1
	Login	USN-4	As a user, I can log into the application by entering email & password	I can access my account	High	Sprint-1
	Update Profile	USN-5	As a user, after logging in, I will have to update my profile by providing all the required details.	I can complete the profile to proceed with the prediction process.	High	Sprint-2
	Choose University	USN-6	As a user, I will be able to view the list of universities that the students are eligible to apply.	I can choose the university from the list provided in the drop-down menu.	High	Sprint 3
Customer (Web user)	Choose Course	USN-7	As a user, I will be able to view the list of courses that the students are eligible to apply.	I can choose the course from the list provided in the drop-down menu	Medium	Sprint 3
Customer Care Executive	Admission Process	USN-8	As a user, I will be able to view the details of the admission process like date, venue of certification verifications.	I can view the details of admission process being displayed at the end of the prediction.	Low	Sprint 4
Administrator	Authentication	USN-9	As a admin, the login credentials of the user is authenticated by me.	I can retrieve and make use of all the user details.	High	Sprint 1
	Update Profile	USN-10	As a admin, I can verify the user entered details	I can confirm and access the user details.	High	Sprint 2
	Prediction	USN-11	As a Admin, I can test the trained ML model by analysing the user details by ML Algos	I can test the user data with trained ML Model	High	Sprint 3
	Output	USN-12	As a admin, I can upload the confirmation of the user for prediction into Database.	I can keep track of user data & activities by storing database.	High	Sprint 4