

Project Design Phase-II Data Flow Diagram & User Stories

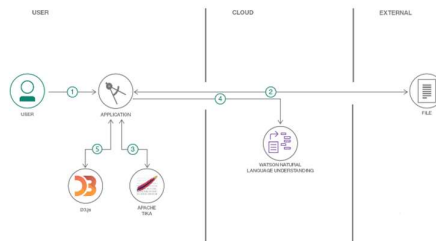
Date	03 October 2022
Team ID	PNT2022TMID14542
Project Name	Project – Personal Expense Tracker
Maximum Marks	4 Marks

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.

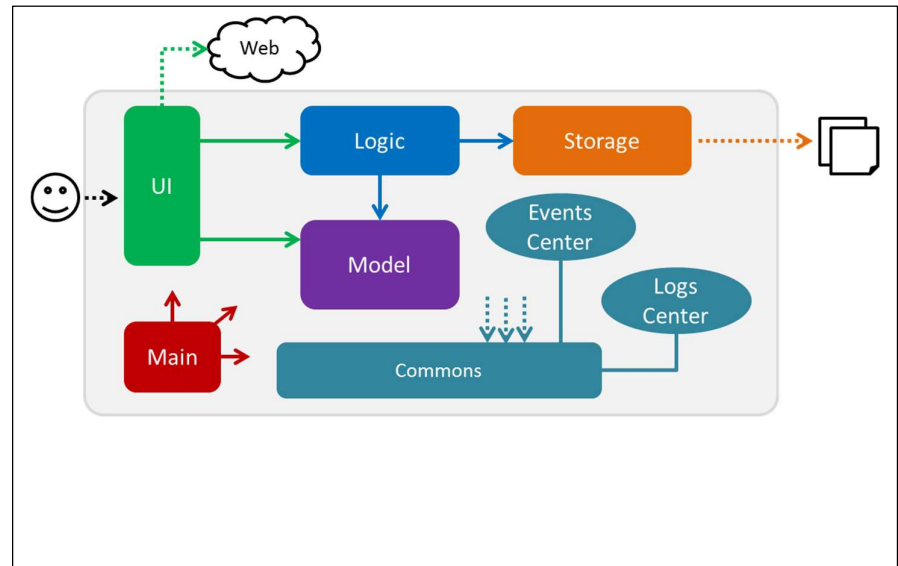
Example: (Simplified)

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/Web 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
	Login	USN-2	As a user, I can log into the application by entering email & password		High	Sprint-1
	Add Expense	USN-3	As a user,I can add expense by specifying the category,date and amount	I can track my expenses category wise or date wise and get its average	High	Sprint- 2
	Add Recurrent Bills	USN-4	As a user,I can add recurrent bills and set alerts/reminders and they will be automatically added to the total expense list.	I can get notifications at proper times so that I can settle those bills	High	Sprint -2
	Edit and delete expenses	USN-5	As a user,I can edit/delete the expenses anytime.	I can manage the expenses easily.	Medium	Sprint -3
	Dashboard	USN-6	As a user,I can view all spendings in my dashboard.	I can view my expenses sorted in any order.	High	Sprint -3
	Charts	USN-7	As a user,I can visualise my spendings daily and monthly through charts.	I can infer my savings and spendings from the charts so that I can plan ahead.	Low	Sprint -3
	Monthly expense reports	USN-8	Give the statistical analysis on monthly expenses	I can view my monthly expense	Medium	Sprint-4
	Forgot Password	USN -9	A way to reset password	I can change my password	Low	Sprint-4