# Project Design Phase-II
## Data Flow Diagram & User Stories
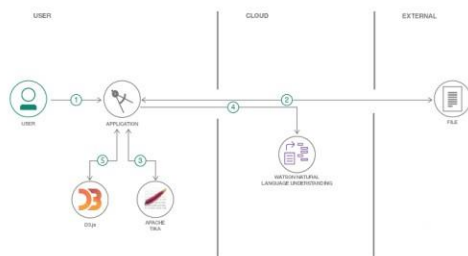
| Date | 03 October 2022 |
|---|---|
| Team ID | PNT2022TMID16689 |
| Project Name | Project – Sill/ Job recommender |
| Maximum Marks | 4 Marks |

**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.
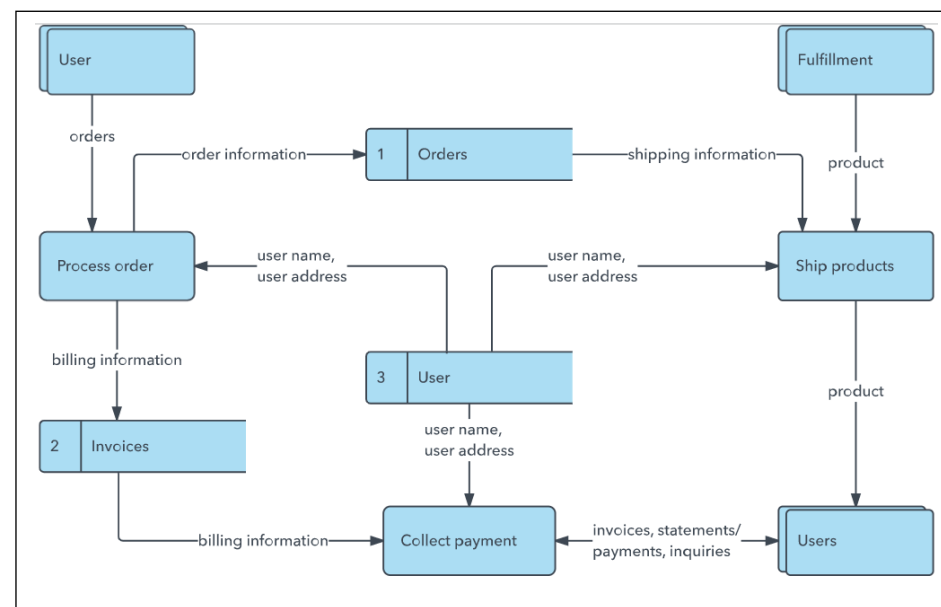
Example: DFD Level 0 (Industry Standard)
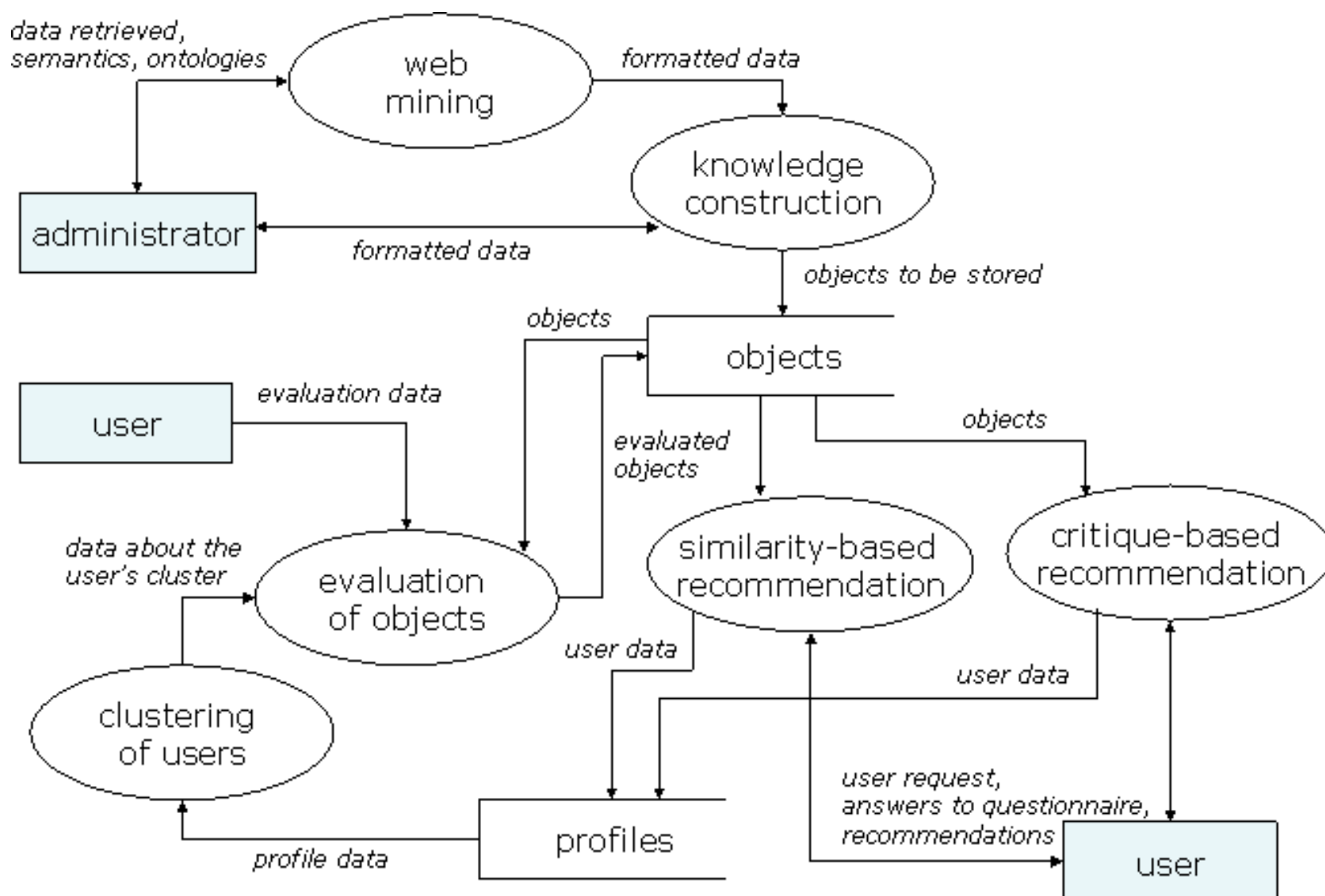
**Example: (Simplified)**



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.

**Data Flow Diagram of Skill/ Job recommender**



data retrieved, semantics, ontologies

web mining

formatted data

knowledge construction

administrator

formatted data

objects to be stored

objects

objects

user

evaluation data

objects

data about the user's cluster

evaluated objects

evaluation of objects

similarity-based recommendation

critique-based recommendation

clustering of users

user data

user data

user request, answers to questionnaire, recommendations

profiles

user

profile data

**User Stories**

Skills/ Job recommender system

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|---|---|---|---|---|---|---|
| User of the Application | 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 Facebook | I can register & access the dashboard with Facebook Login | Low | Sprint-2 |
| | | USN-4 | As a user, I can register for the application through Gmail | | Medium | Sprint-1 |
| | Login | USN-5 | As a user, I can log into the application by entering email & password | | High | Sprint-1 |
| | Dashboard | USN-6 | As a user they can enter all their information and register them | Their information is stored in database | High | Sprint-2 |
| | | USN-7 | User should enter all the skills they posses | | High | Sprint-2 |
| Chat Bot | | USN-8 | User can interact and they can get replies to all their queries | AI bot is developed | High | Sprint-3 |
| | | USN-9 | The bot requests for their skills and the job description that matches them are pulled | | High | Sprint-3 |
| | | USN-10 | User can find their applicable jobs for the skills they posses | | High | Sprint-3 |
| Administrator | | USN-11 | The jobs descriptions are stored | | High | Sprint-4 |
| | | USN-12 | The users queries are sorted | Queries are recognised | High | Sprint-4 |