

## Project Design Phase-II Data Flow Diagram & User Stories

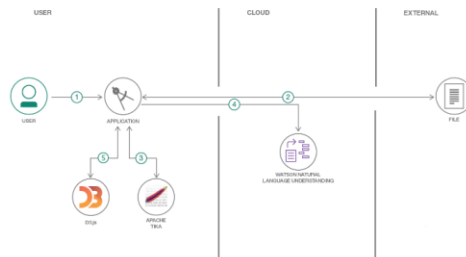
|               |  |
|---------------|--|
| Date          | 27 JUNE 2025                                     |
| Team ID       | LTVIP2025TMID55856                               |
| Project Name  | DocSpot: Seamless Appointment Booking for Health |
| Maximum Marks | 4 Marks  |

### 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.

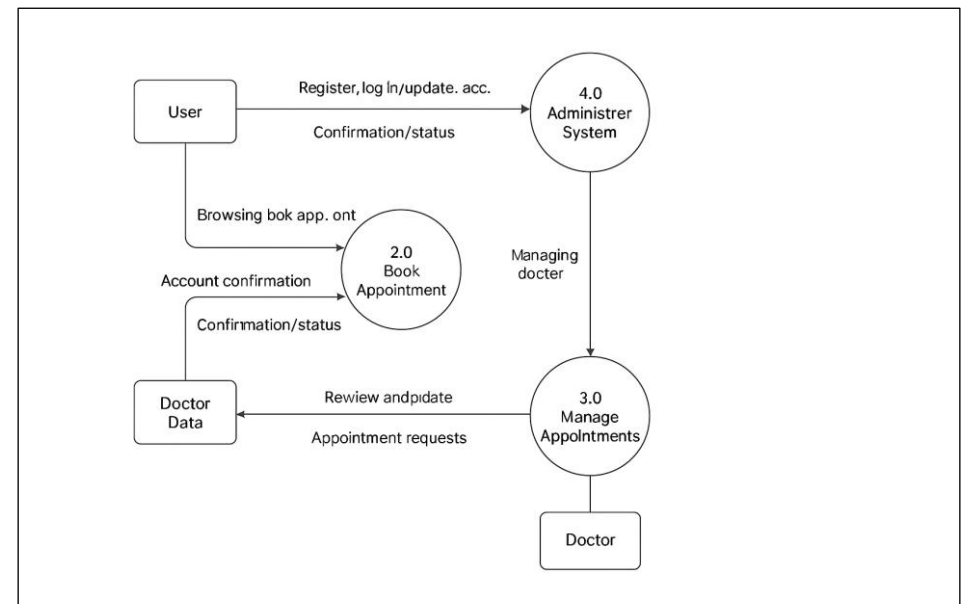
#### Example: [\(Simplified\)](#)

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:**

| User Role         | Feature           | USN   | User Story  | Acceptance Criteria / Outcome                           | Priority | Sprint   |  |
|-------------------|-------------------|-------|---|---|----------|----------|--|
| Customer (Mobile) | Registration      | USN-1 | As a user, I can register by entering my email, password, and confirming it | I can access my dashboard after successful registration | High     | Sprint-1 |  |
|                   | Email Confirm     | USN-2 | As a user, I will receive a confirmation email once I register              | I can click confirm and activate my account             | High     | Sprint-1 |  |
|                   | Facebook Login    | USN-3 | As a user, I can register using Facebook                                    | I can access the dashboard with Facebook login          | Low      | Sprint-2 |  |
|                   | Gmail Login       | USN-4 | As a user, I can register using Gmail                                       | I can access the dashboard with Gmail login             | Medium   | Sprint-1 |  |
|                   | Login             | USN-5 | As a user, I can log in using email and password                            | I am redirected to the dashboard after login            | High     | Sprint-1 |  |
|                   | Book Appointment  | USN-6 | As a user, I can book an appointment with a doctor                          | I get confirmation of appointment                       | High     | Sprint-2 |  |
|                   | View Appointments | USN-7 | As a user, I can view upcoming and past appointments                        | I see appointment details, status, and doctor info      | Medium   | Sprint-2 |  |

|  |                    |       |  |  |        |          |  |
|--|--------------------|-------|--|--|--------|----------|--|
|  | Cancel Appointment | USN-8 | As a user, I can cancel my appointment if needed     | I see cancellation success and updated status    | Medium | Sprint-3 |  |
|  | Dashboard          | USN-9 | As a user, I can view my profile and recent activity | I can see profile info and upcoming appointments | Medium | Sprint-2 |  |