

DATA FLOW DIAGRAM AND USER STORIES

TEAM ID : PNT2022TMID39460

COLLEGE NAME : ANNAMALAIAR COLLEGE OF ENGINEERING

DEPARTMENT : BE (ELECTRONICS & COMMUNICATION ENGINEERING)

PROJECT TITLE : A NOVEL METHOD FOR HAND WRITTEN
DIGIT RECOGNITION SYSTEM

Project Design Phase-II

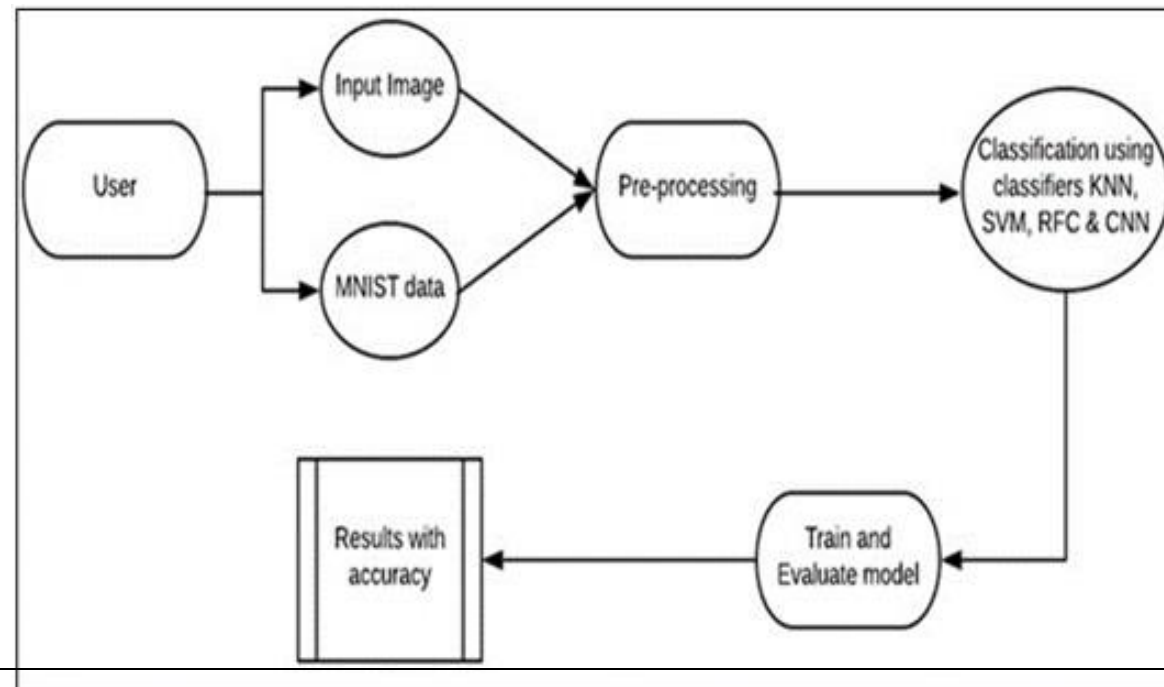
Data Flow Diagram & User Stories

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|---------------|---|
| Date | 03 October 2022 |
| Team ID | PNT2022TMID39460 |
| Project Name | Project – A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM |
| Maximum Marks | 4 Marks |

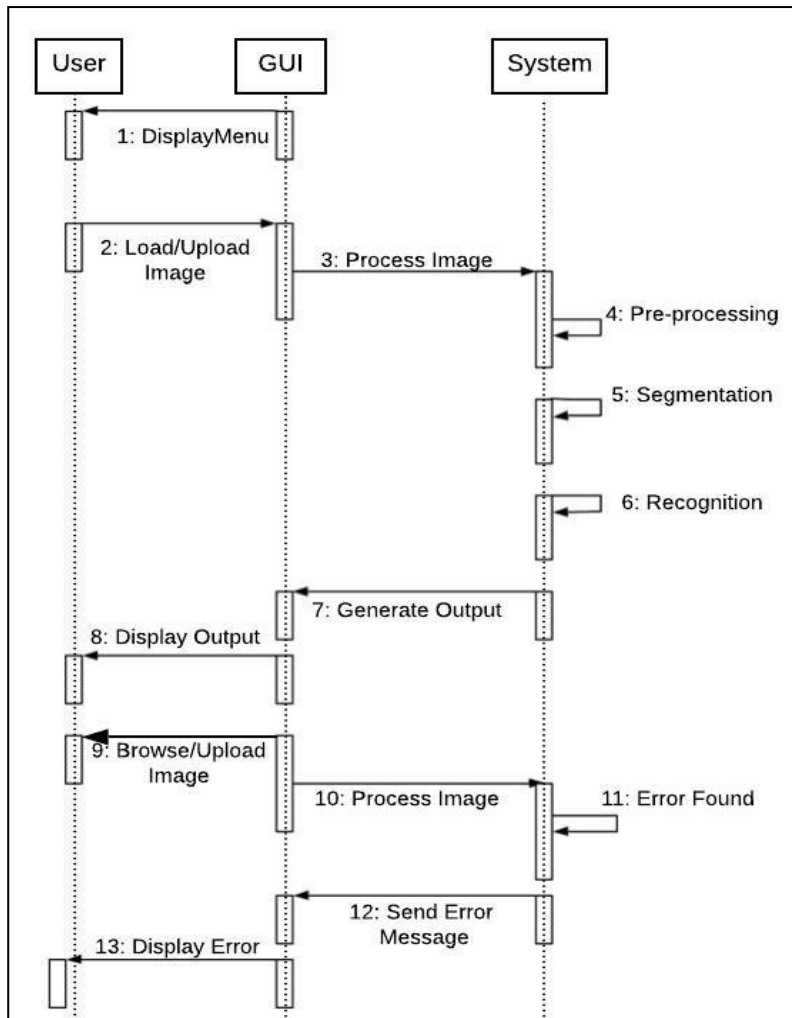
Data Flow Diagrams:

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.

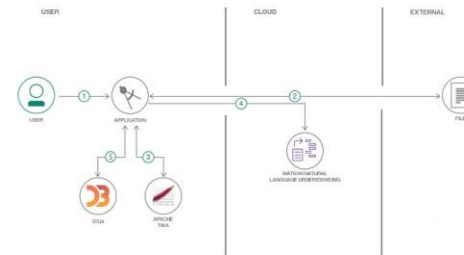
Example: DFD Level 0 (Industry Standard)
Dataflow Diagram of the system model



Sequence Diagram of the System

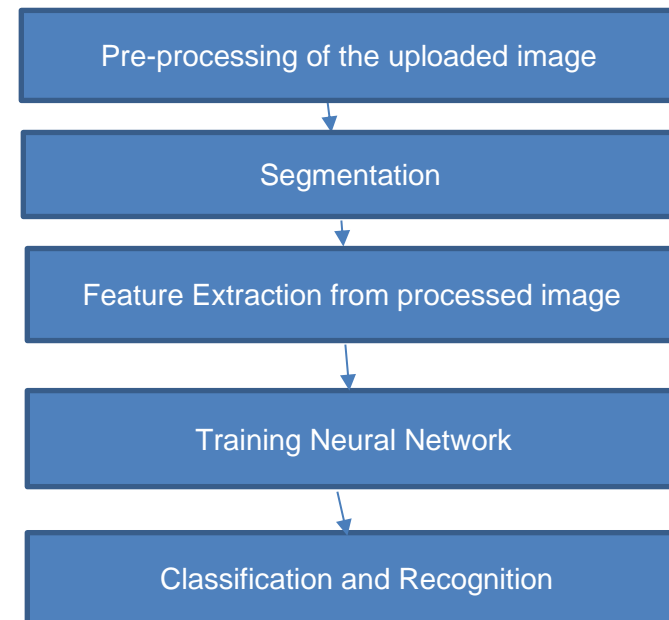


Flow



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.

DATA FLOW BOCKDIAGRAM



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 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 Visual representation of any data that impacts Customer experience, loyalty, or customer retention | | Medium | |
| Customer (Web user) | Profile | USN-7 | Accounts empower users to access exclusive offer Contribute to a community of fellow customer, reach out to customers support, and receive | A user cannot submit a form without completing all the mandatory fields | High | Sprint-2 |
| Customer Care Executive | Duties and Skills | USN-8 | A Customer care executive is a professional responsible for communicating the how's and why's regarding service expectations within a company | Lists of condition that a software product must meet to be accepted by a user customer, or other systems | High | Sprint-2 |
| Administrator | Authorization levels | USN-9 | The goal is describe inputs, behaviors and outputs FRD is a formal statement of an Application's functional requirements | Excellence, Impact and Implementation | High | Sprint-1 |
| | Administrative Functions | USN-10 | Functions that Developers must implement to enable users to accomplish their tasks | Ac are the conditions that a software product must meet to be accepted by a user, a customer , or other system | Medium | Sprint-1 |