**Project Design Phase-II**

**Data Flow Diagram & User Stories**

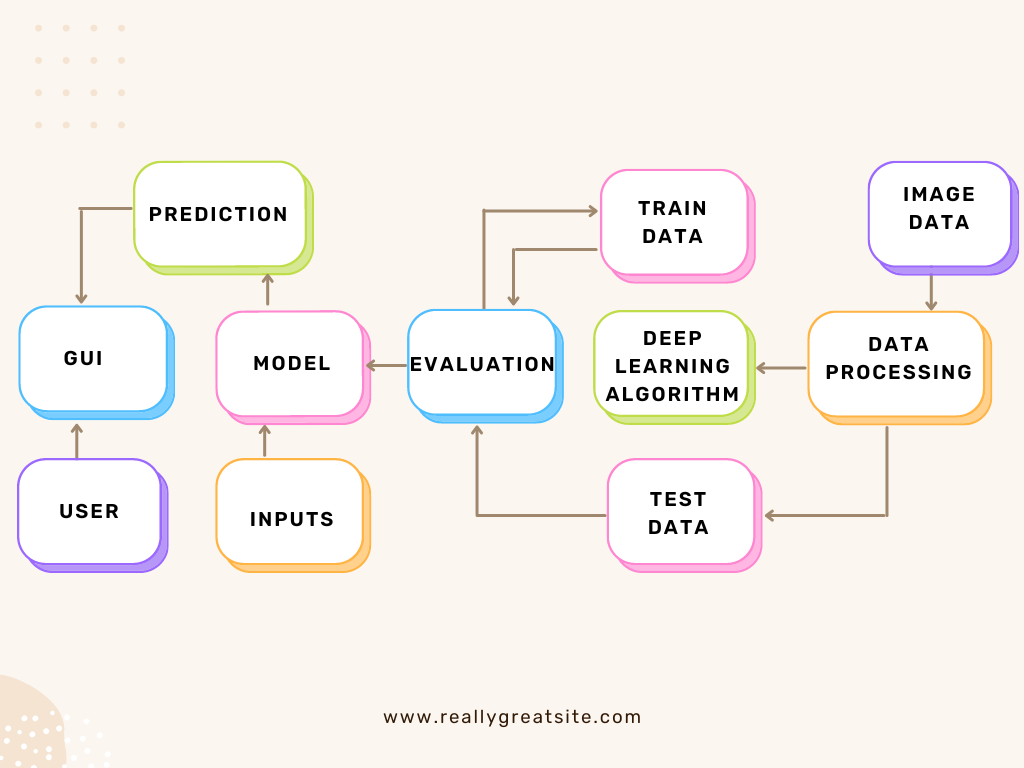
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| --- | --- |
| Date | 13 October 2022 |
| Team ID | PNT2022TMID23612 |
| Project Name | Project - A Novel Method For Handwritten Digit  Recognition System |
| Maximum Marks | 4 Marks |

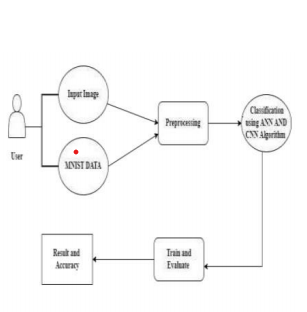
**Data Flow Diagrams:**

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)

**Example: [(Simplified)](https://developer.ibm.com/patterns/visualize-unstructured-text/)**





**User Stories**

| **User Type** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** |
| --- | --- | --- | --- | --- | --- | --- |
| Customer (Web user) | Home | USN-1 | In the Home Page, I can view the guidelines  of how to use the website. | I can view the guidelines. | Low | Sprint-1 |
|  | Dashboard | USN-2 | As a user, I can see Home Page & Prediction  Page . | I can access the  dashboard . | Low | Sprint-2 |
|  | Choose input | USN-3 | In Prediction Page, I can upload an image of  handwritten digit for prediction . | I can upload my input by  browsing the device  Storage. | Medium | Sprint-3 |
|  |  | USN-4 | As a user, I can get an accuracy rate with the  Prediction. | .I can get different forms of  Output. | High | Sprint-4 |
|  | Recognize | USN-5 | As a user, I can see that the GUI processing  the input using trained model . | I can perform handwritten  digit prediction. | High | Sprint-1 |
|  | Prediction | USN-6 | As a user, I can get accuracy rate by pressing  the predict button. | I can get the accuracy of  the output. | Medium | Sprint-1 |
| Customer(Mobile User)s | Home | USN-7 | As a user, I can access application in mobile  phone | I can access the  dashboard with mobile. | Medium | Sprint-1 |
|  | Recognize | USN-8 | I can upload input and retrieve output with  accuracy by using the mobile | I can upload input image  and get output with a  mobile device. | High | Sprint-2 |