Project Flow

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Project Name : A novel method for handwritten digit recognition System.

Project Flow:

- o The user interacts with UI (User Interface) to upload the image as input.
- o The uploaded image is analyzed by the model which is integrated.
- o Once the model analyses the uploaded image, the prediction is showcased on the UI.

To accomplish the above steps, we have to complete all the activities and tasks listed below:

First - Understanding the data

- o Importing the required libraries
- o Loading the data
- o Analyzing the data
- o Reshaping the data.
- o Applying One Hot Encoding

Second-Model Building

- o Creating the model and adding the input, hidden and output layers to it
- o Compiling the model
- o Training the model
- o Predicting the result
- o Testing the model by taking image inputs
- o Saving the model

Third-Application Building

- o Application building
- o Create an HTML file
- o Build Python Code