Project Flow

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| Team ID | PNT2022TMID41312 |
| Project Name | AI-powered Nutrition Analyzer for FitnessEnthusiasts |

* The user interacts with the UI (User Interface) and give the image as input.
* Then the input image is then pass to our flask application,
* And finally with the help of the model which we build we will classify the result and showcase it on the UI.

**To accomplish this, we have to complete all the activities and tasks listed below**

* + Data Collection.
    - Collect the dataset or Create the dataset
  + Data Preprocessing.
    - Import the ImageDataGenerator library
    - Configure ImageDataGenerator class
    - ApplyImageDataGenerator functionality to Trainset and Testset
  + Model Building
    - Import the model building Libraries
    - Initializing the model
    - Adding Input Layer
    - Adding Hidden Layer
    - Adding Output Layer
    - Configure the Learning Process
    - Training and testing the model
    - Save the Model
  + Application Building
    - Create an HTML file
    - Build Python Code