Project Flow

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| Assignment Date | 23 November 2022 |
| Team ID | PNT2022TMID31303 |
| Project Name | AI-Powered Nutrition Analyzer For Fitness Enthusiasts |

* 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 taskslisted 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