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AI-Powered NutritionAnalyzerForFitness Enthutiasts

Project Flow

- 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.
- Download the dataset • Image Preprocessing.
- Import the Image Data Generator library
- Configure Image Data Generator class
- Apply Image Data Generator 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
- Creating our flask application and loading our model by using load_model method
- Routing to the HTML page
- Run the application
- Train the model on IBM
- Register for IBM
- Ideation phase
- Project Design Phase-1
- Project Design Phase-2

- Project planning phase
- Project development phase