

Assignment from Big Rattle Technologies - Data Entry Operator

Task 1: Annotation

Objective:

Please review and annotate the images:

- If the images have already been annotated, kindly ensure that the annotations are accurate and properly reflect the product.
- If the images are not yet annotated, create the necessary annotations and save your work.

Instructions:

The dataset consists of images and JSON files. Please use the tool called “Labelme” . You can download this tool from “<https://github.com/labelmeai/labelme>” for this task. Follow these steps:

1. Search for the command line terminal in Windows
2. Type below given commands to open the labelme tool.

-> labelme

Once the Tool is opened: Click on “Open Dir” to select the directory containing the images.

3. Ensure that each instructed product in the images has proper annotations.
4. If an image is missing annotations, kindly create a new annotation for the product.
5. Create a rectangle box of annotations for the given product. Use a mouse for better accuracy. Use commands like “Ctrl+R” to enable the annotation.
6. After creating the annotation box, the popup window appears labeled “product”.
7. You have to name every annotation as “**product**” only. “Ctrl+S” to save the annotations.
8. After completing the annotation, save your work and proceed to the next image.

Feel free to reach out if you have any questions!

Sample Annotated Image for the reference:



Task 2: Image Validation and Data Preparation for Model Training

Objective:

To organize and validate image datasets by comparing reference images in the “Master” folder with their corresponding subfolders in the “Data”. Any mismatched or unrelated images will be moved to a separate Dump folder. This process is essential for ensuring accurate data preparation for model training.

Instructions:

Task Overview:

1. **Master Folder:**
 - Contains four reference images (eg: Real Guava Juice1L) that serve as the baseline for comparison.
2. **Data Folder:**
 - Contains multiple subfolders. Each subfolder's name corresponds to one of the reference image names from the Master folder.
3. **Comparison Process:**
 - For each reference image in the Master folder:
 1. Go to the corresponding subfolder in the Data folder.
 2. Check if the subfolder contains the same image as the reference image from the Master folder.
 3. If the image in the subfolder does not match the reference image, move the mismatched image(s) to a new **Dump** folder for further review.
4. **Final Step:**
 - Repeat the process for all reference images in the Master folder to ensure that each subfolder in the Data folder contains the correct image.

Output:

The correct images will remain in their respective folders for training, while incorrect images will be moved to the Dump folder, creating a clean and validated dataset.

Submission: Submit the dataset in a new folder named “Done_(your_name).”

Deadline: 2 hours

Evaluation Criteria: Your annotation speed and accuracy will be measured.