"The general task flow proceeds as follows:

1. Initially, there are two distinct tasks: labeling and verification.

a. In the labeling task, a collection of images is stored in an S3 bucket. Information about these images is stored in JSON format within a JSONL file (which is a file containing multiple JSON objects). This JSONL file serves as the input manifest. A job is then initiated to engage the worker team (or an AI model) in annotating the images. Once the team completes the annotation process and submits it, an output manifest is generated, containing image details along with the annotation boundaries, which is obtained from the AI model.

b. The output from the labeling job is then converted into the required format for the verification job.

2. The verification job is initiated using Python3 code within a SageMaker notebook.

- In this verification job, the processed output manifest from the labeling task serves as the input manifest. A new job is created to assign the verification task to the worker team, whose responsibility is to verify the correctness of the annotations. If discrepancies are found, the worker team will make necessary adjustments. This process results in the creation of a manifest that includes image details, initial annotations, and review annotations."

1. Labelling job code – labelling\_job\_creation.py will contain a code for creating labelling job
   1. Input data location - s3://caf-workflow/test/generate\_AL\_manifest\_files/input/input (3).jsonl
   2. Output data location - s3://caf-workflow/test/data/input/
   3. UI template location - s3://mlops-aicoe/template/bounding-box-ui-template.html
2. Creating manifest file - manifest\_creation.py will contain the code to convert the output of the labelling job to the format of input to the verification job
   1. Input data location - s3://caf-workflow/test/input.jsonl
3. Verification job - verify\_labelled\_creation.py will contain a code for creating verification job
   1. Input data location - s3://caf-workflow/data.jsonl
   2. Output data location - s3://caf-workflow/test/data/input/
   3. UI template location - s3://caf-workflow/test123/bounding-box-ui-template.html
4. Caf\_demo\_1 ppt will explain how the manifest file is created.