Functional requirements:

System should read the image given as input.

System should identify the objects from the image read.

System should identify corners for each object in read image.

System should identify all the edges for objects present in read image.

System should calculate dimensions of each edge of these objects using pixel per metric ratio.

System should calculate the approximate dimensions based on dimensions of reference object.

System should produce an image as output showing the identified edges and dimensions of input image.

Non-Functional requirements:

System shall produce the output image very quickly.

System shall take input image of any size.

System shall be available in any platform to be executed.

System shall allow only one image as input with any number of objects in it.