**label\_truth**:

contains true labels, in JSON format

**label\_pred**:

contains predicted labels, in JSON format

**corpus**:

contains original floor plans.

**results**:

contains outputs from the tool. FN highlights all false negatives; TP\_FP highlights all true positives and false positives, whereas false positives are crossed out.

**How to run**:

1. Create 4 folders: label\_truth, label\_pred, corpus and results in the same directory as the detector.
2. Save images and its true label in corpus and label\_truth folder respectively.
3. Run the command: python3 legend\_detector\_v2.py filename

**Change log**:

legend\_detector\_v1:

1. 83.9% precision and 87.9% recall

legend\_detector\_v2:

1. used a tighter text similarity threshold, so that detector\_v1 only achieved 81.1% precision and 87.8% recall.
2. Add a new feature to reduce FP: search box stops at horizontal or vertical walls. detector\_v2 now achieves **82.8%** precision and **88.2%** recall.