# Daisy Intelligence Hackathon 2020

Solution by **Team Artemis** 

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#### Step 1 OCR

Images are analysed for text using Google Cloud Vision API (OCR).



#### Sales Valid Wed. September 6 - Tues. September 12



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## **Step 2** Clustering

Text blocks are grouped using a custom clustering algorithm which makes use of the text alignment present in each ad-block.

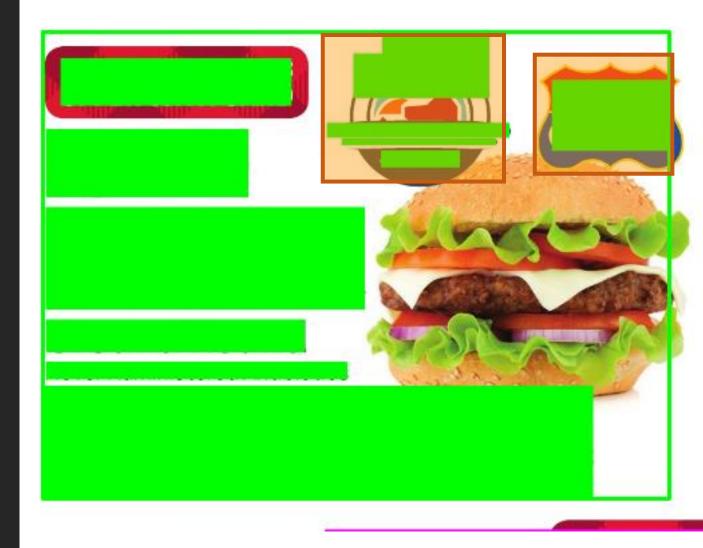




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#### Step 3 Cluster Refinement

Clusters are refined by drawing an outer rectangle around each one and forcing big clusters to "eat" small ones that fall in their domain.



## **Step 4** Information Parsing

Each cluster text is then analysed to extract the required fields based on string matching and patterns observed from the flyers.

