Smart Crawler Alrings to look for Sites have - not deals - compours -daily sale -friday sale - bargain bin - wasty of special

-daily ad

-specials

go to these sites our the gif read the wol un's update the de weate one page w/ all of the deals

Tops Paristasia

Agent site Example Amazon has 3 tometrout; Each stone front 13 adifferent stone user ( + Amaron | Eastbay |

5 tropping com

HTML "Anchor" an " " is an HTark rode fragount d'offente the androw on each page on a stepping rite androw on the one of the following: " " click to buy!"

" " add to shopping cant"

" " add to " bay"!

" view shopping cant"

" up date cant"

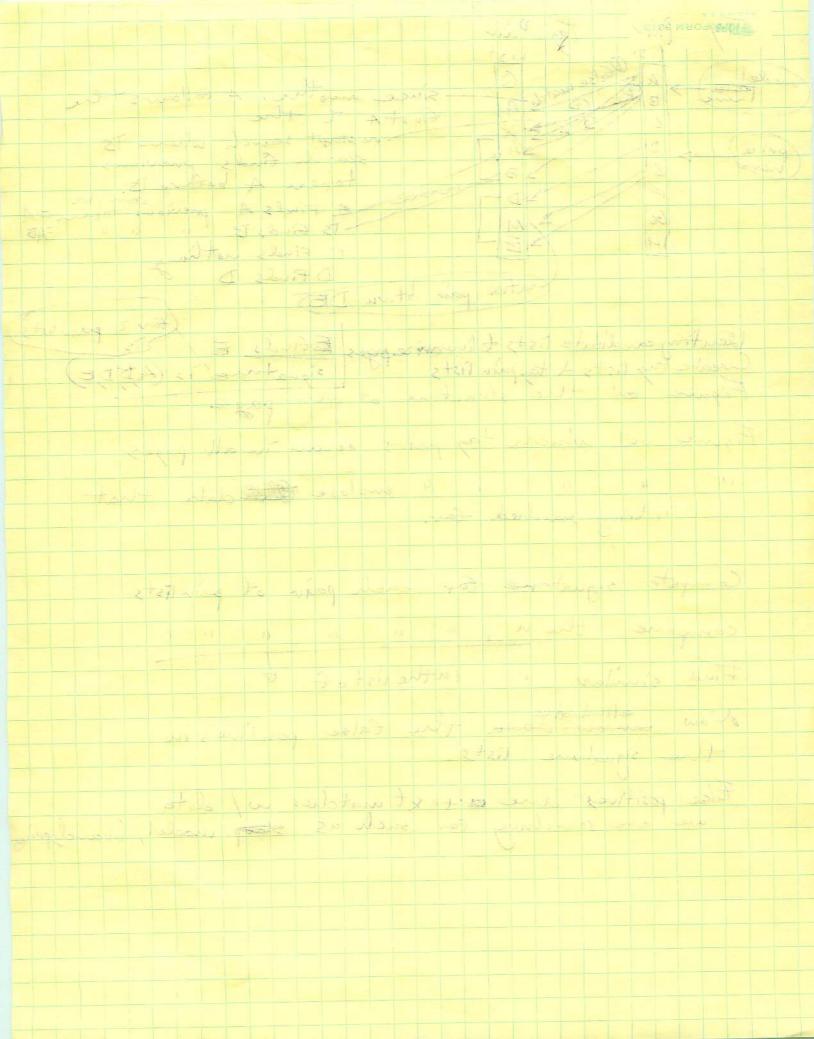
" drop down were we colors/ size The anchor can appear intlutollowing formats in the HTML page o a git (weed toock the gif to recourse the letters · a suripot ( need to interprete the swipt to determine the we words associated withe swipt),

Tay Pair medel hime since another A Collows the Gust A the restant search when Is (pri u) > zearch finds previous to feen A batare B.

A Finds A previous token EA

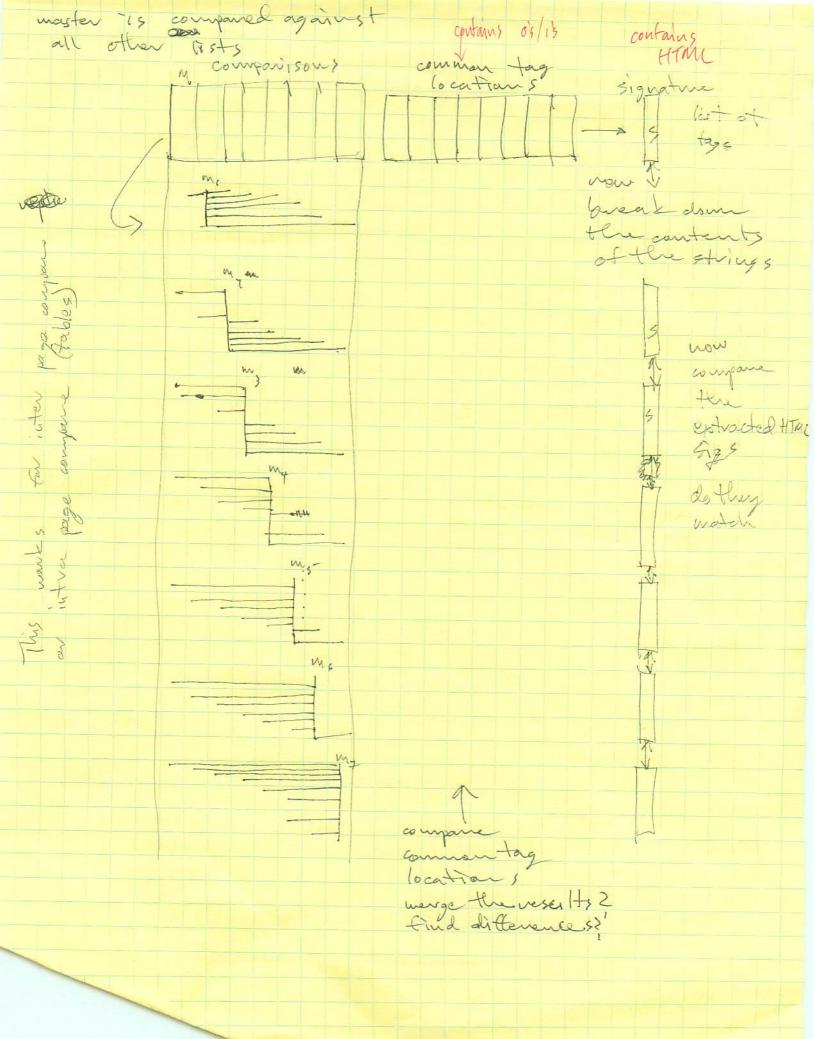
13 Finds B " " " AB C Finds nothing D Finds D Lentify candidate lists blimparize pages Ethods E lists Cereate tag lists + tagpair lists signature is (ABDE)

Figure out the structure of the page Figure out which tag pairs occur in all pages 11 11 11 4 enclose data that is being searched for. Compute signature for each point of paintists Now randown the talse positives in the signature lists. Take positives are a text matches w/ data we are searching for such as to model, branchprice



(i) Linearize HTML stream! w/ ZT Tag 3 1 tokens 4 tag type tag for in HTML undris positions in tag position > match the took a examine the contents of the tag pain if the tag pair contains ( currency (2) price (3) description (it) string that matches model name record int positions I type this is the signature vector start fag position

Uneavise the HTML Metch the tags eneate a new list of indices into the whom tist T= tag x = text 3 = 3tring a = attribute Tag (15+ 0) 2 3 6, 00 7 9 1 X 7 /T 3 T 611 7 T 87 repeat carean candidate ppe



extraction of Solo field names and/ar )

(allo values fram (egging lish) sentences / fragments)

phoases sentences/frags/phrases on contains The must be separated in the \$ The separation process: O And boundaries between to

to can be

punctuation (#) or parers ar comma

ab file names

known db field values (company name)

alpharmaric text which is a widel #

ge amazing wich puzze (B) ge amazing vicrowave over geam101 tampany model name | model # To analyze the above string

Dearch for alphanumeric text if found search in master model # dictionary this is a short out compare the comp, many and the model name in the lb totthe text string fragments to other strings on the page identification there are many famats
search for the 11 strings in the page Thue Date Convency dentification there are many formats gearch for the " strings in the page ( schools, unis)
up strings in institution list lus fitutions ident

Cinear search of HTML read each toten in the HTML page and look it up in a tronoung list list I taxonoung list by words by topic synony in list Patriceative for fast look up?

tist of taxonomy ward list taxonomy to tax - Synonym tist There are several different a taxonomy lists list of data bare template synonym listse (each field in the record has a field name and a " value the field name can be many different names which is stoned in a synonym list Frice \$10000 = either a farmated field (currency Conveny date at time Connat or a word from a word list Ce. g. product names model numbers).