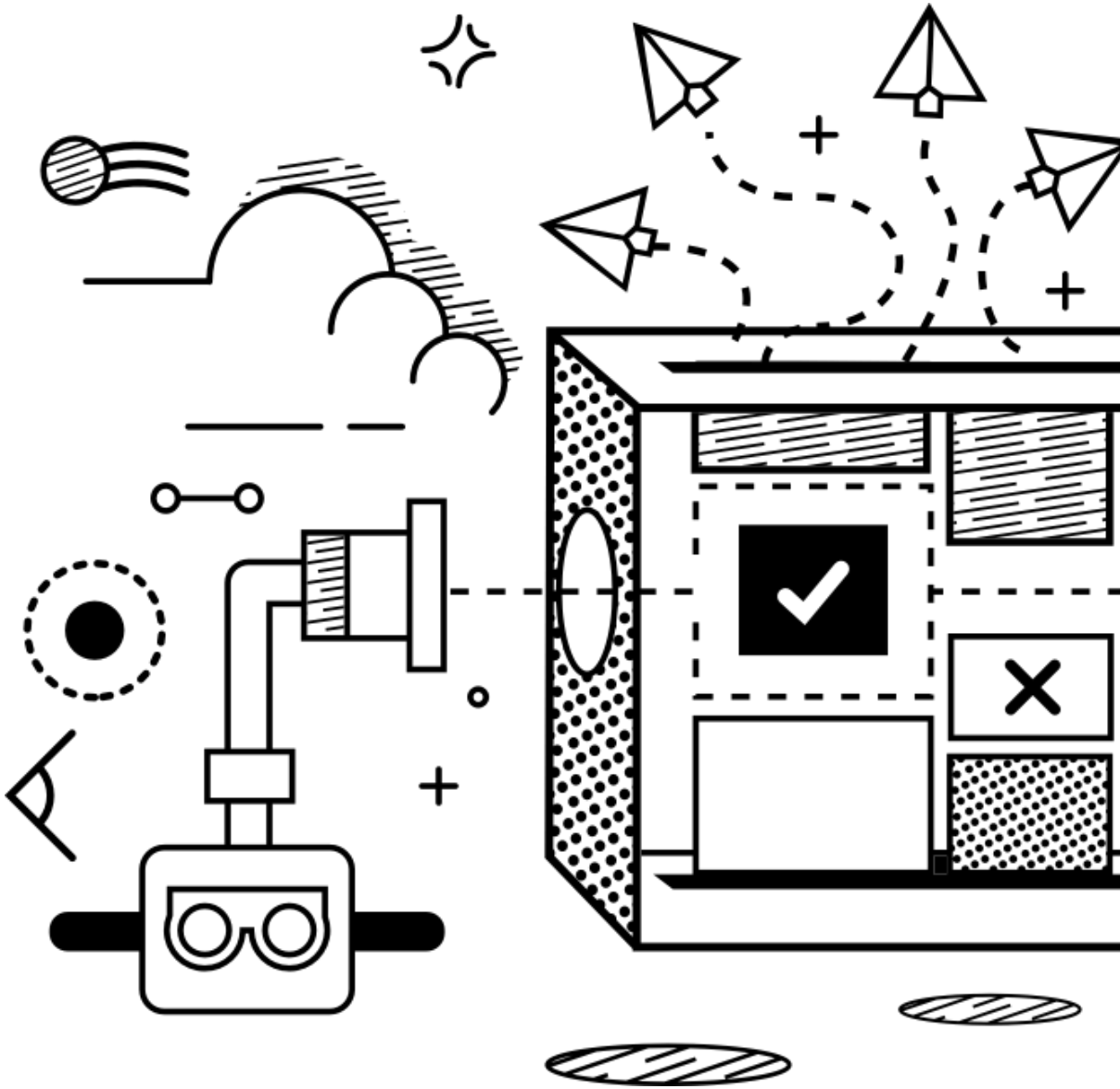
candour

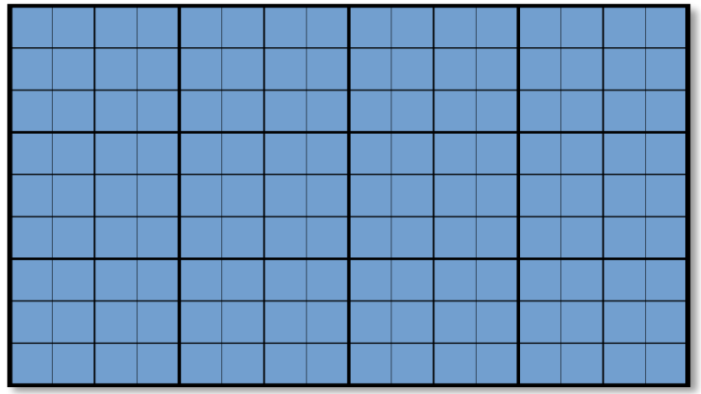
Crawling and rendering

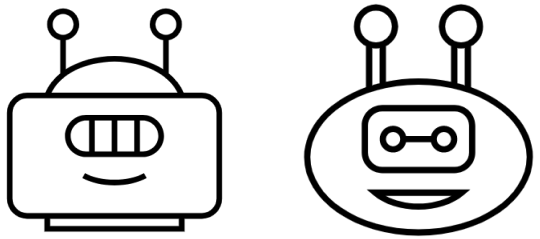


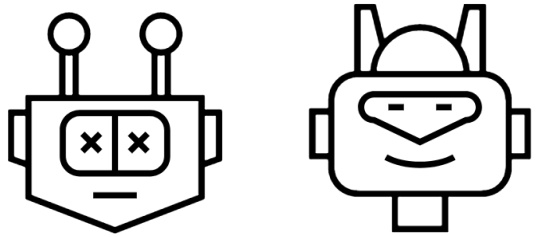
Trainer:

Mark Williams-Cook
Candour

Recap!







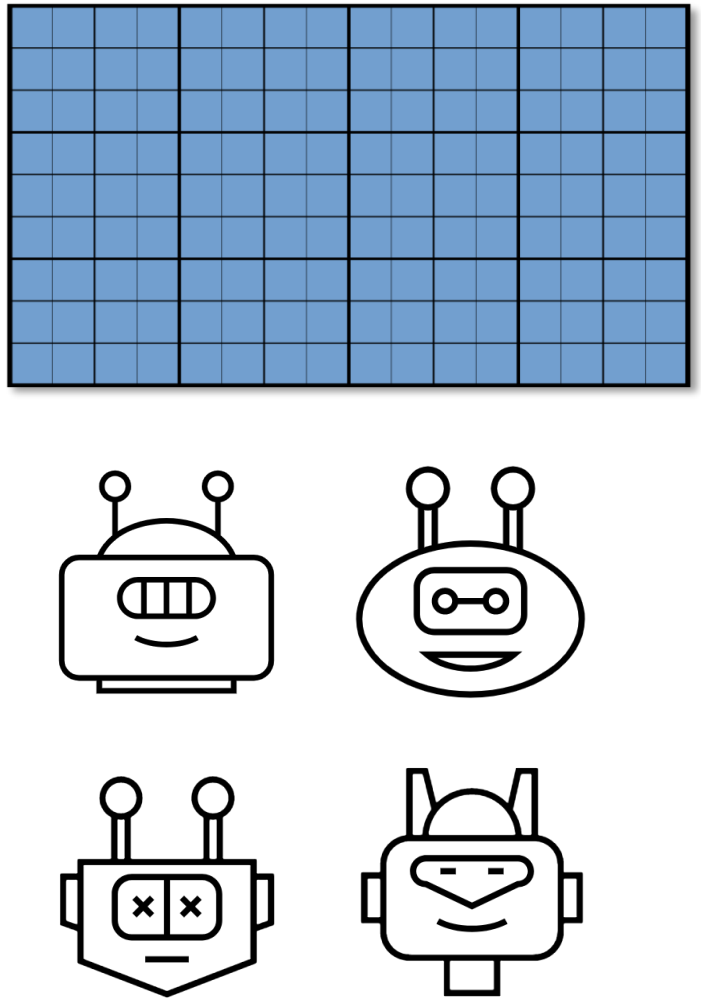
Recap!

We previously talked about

crawling

and

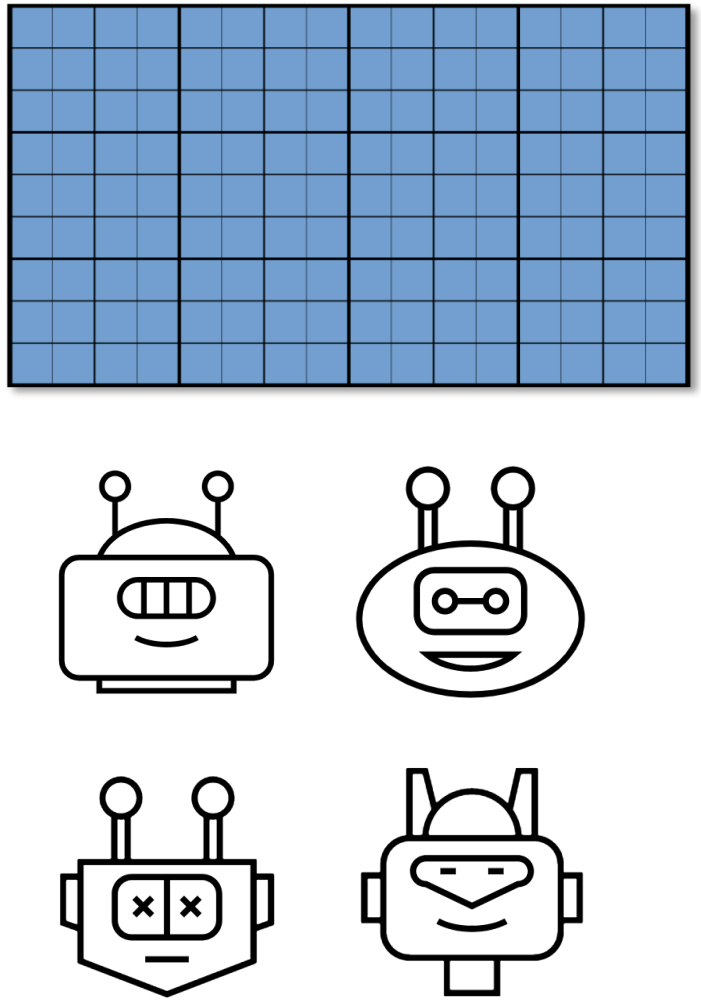
indexing



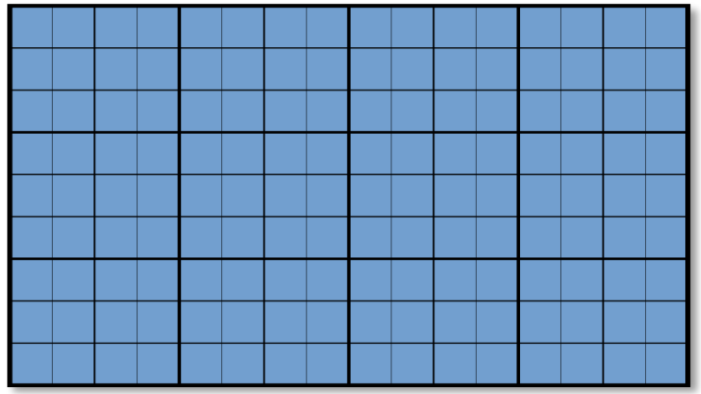
Recap!

There is another step!

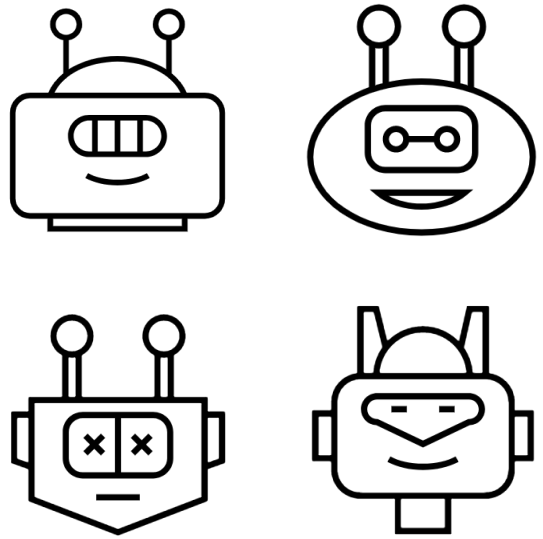
crawling
rendering
indexing



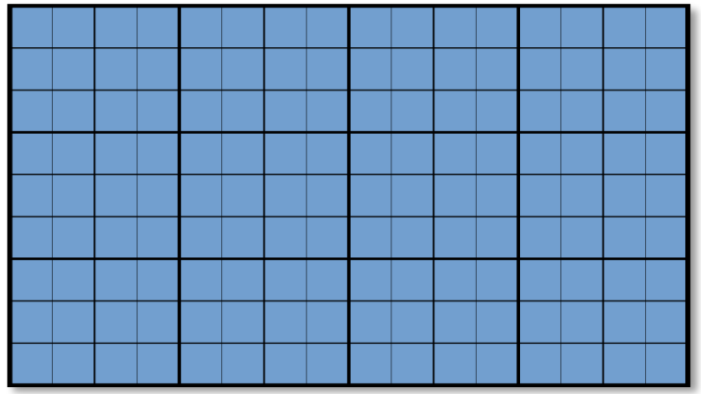
Rendering



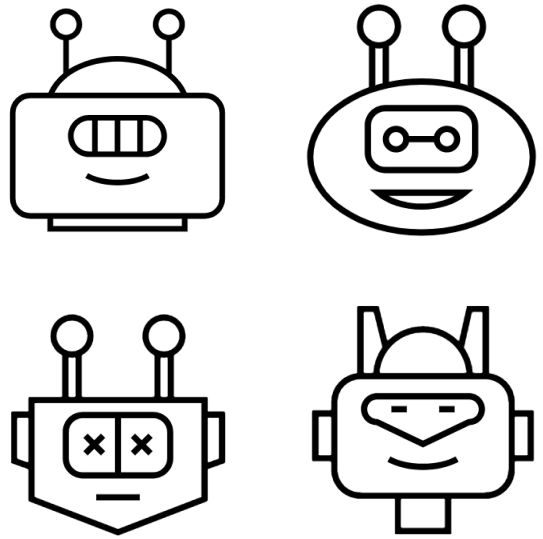
Rendering is the process of Google pulling together all of the HTML, CSS and Javascript to produce the final page as a browser would see it – '**rendered**'**!**



Rendering

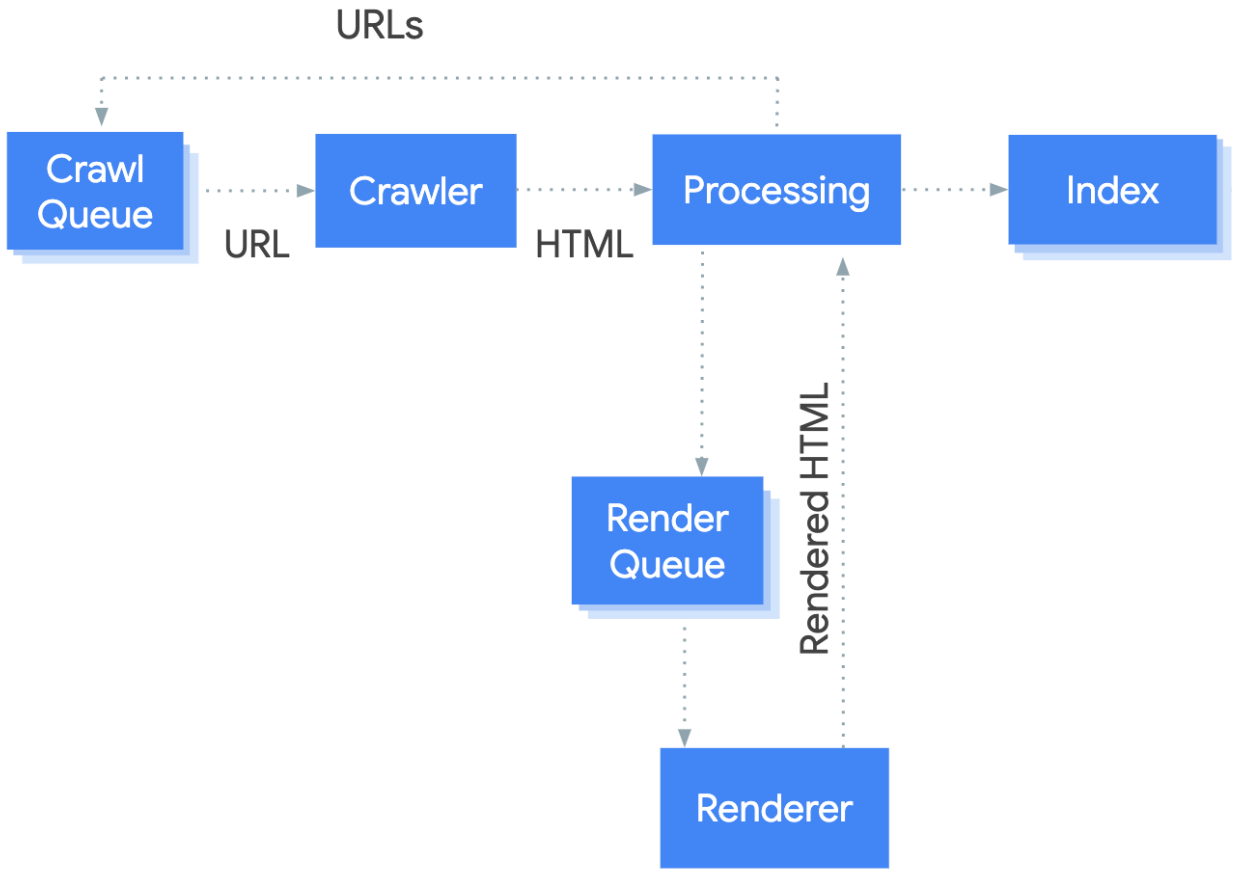


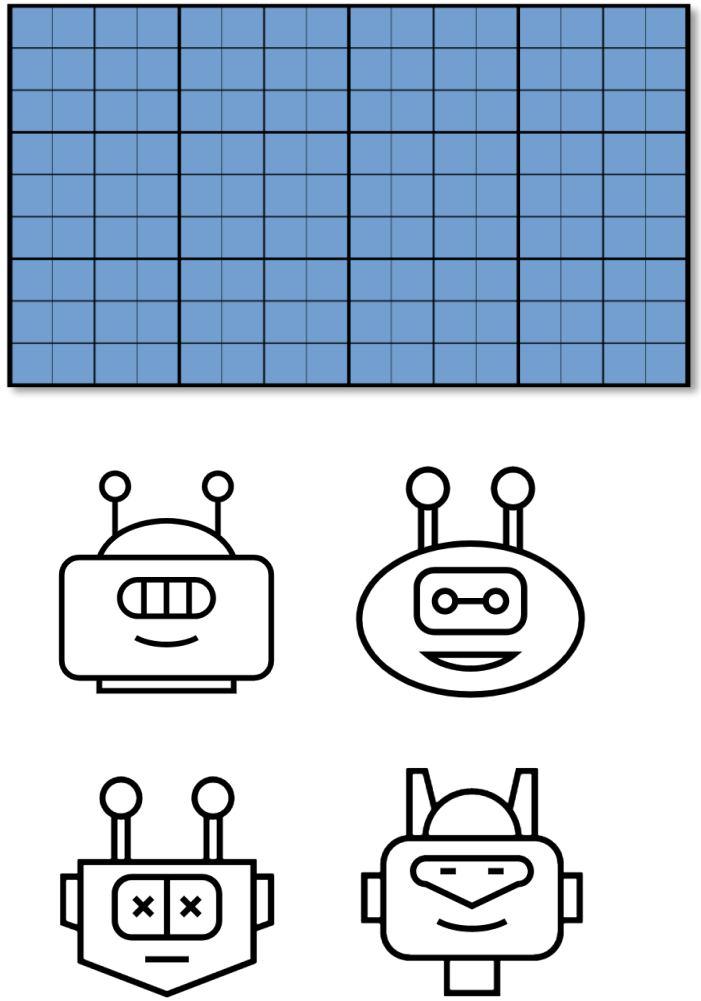
Rendering is the process of Google pulling together all of the HTML, CSS and Javascript to produce the final page as a browser would see it – '**rendered'!**



Rendering is done by "Caffeine", which is Google's indexing infrastructure.

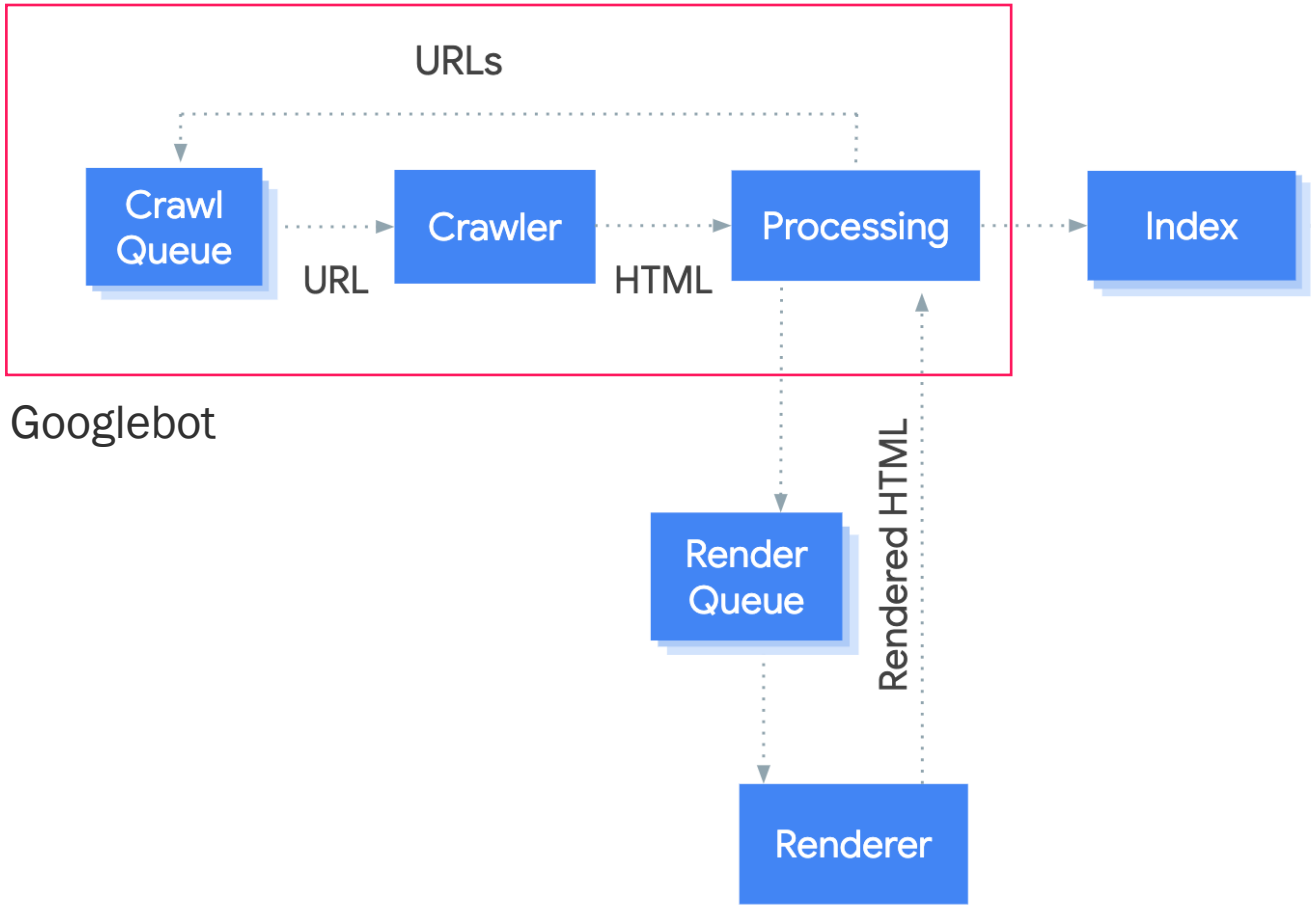
Rendering

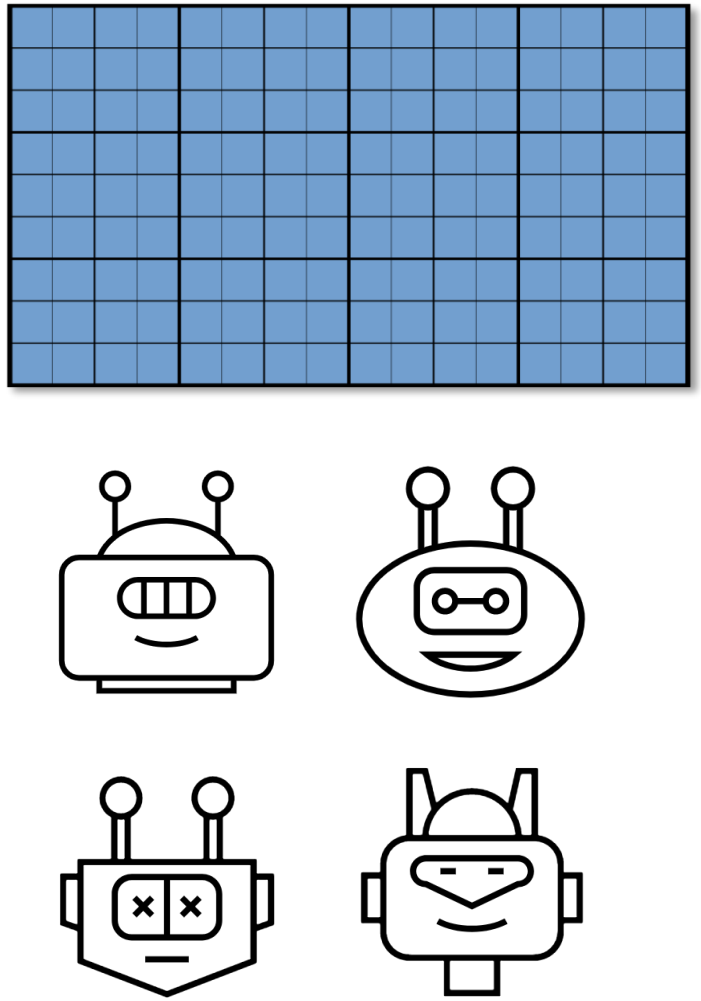




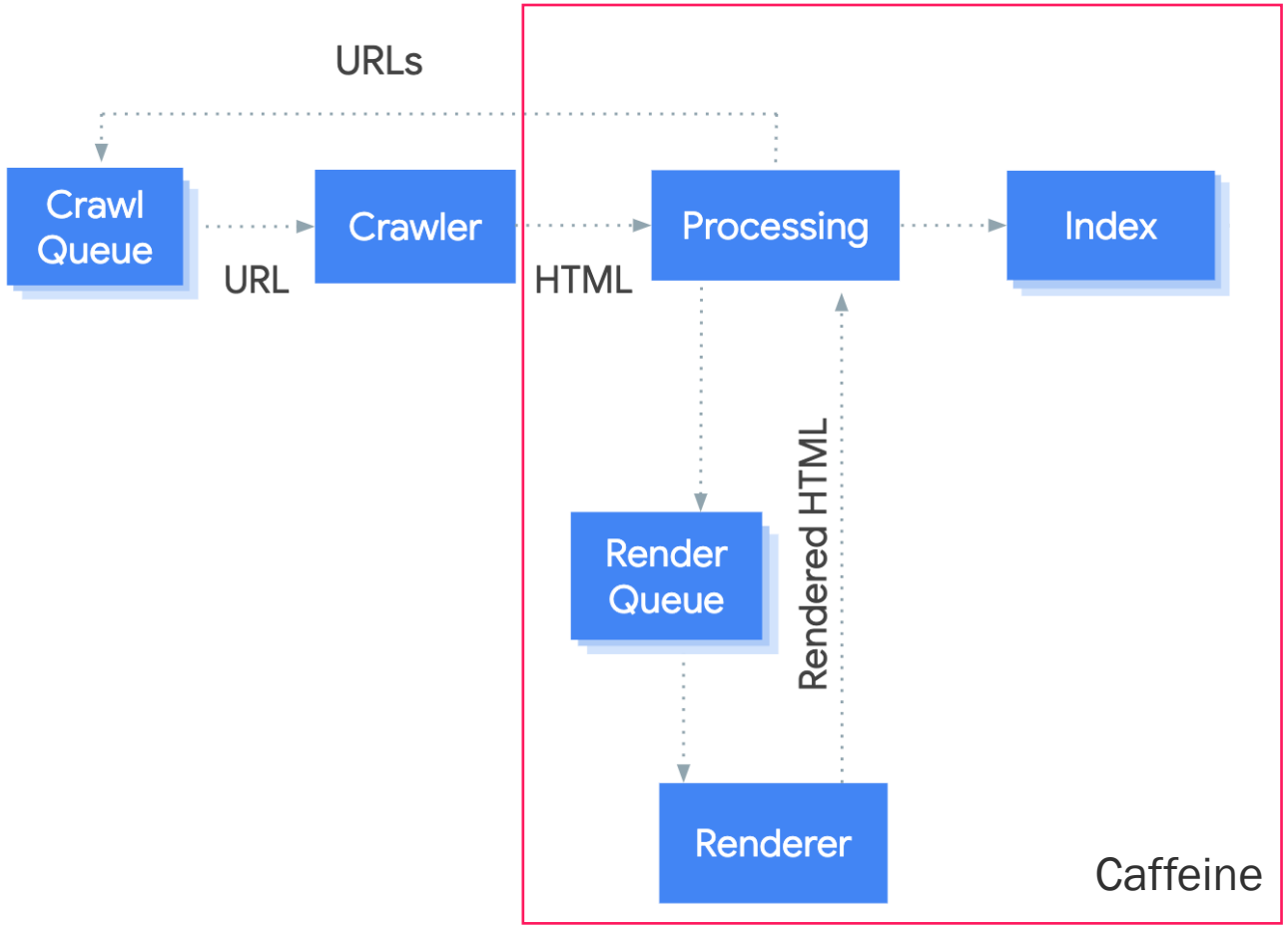
Crawling and rendering

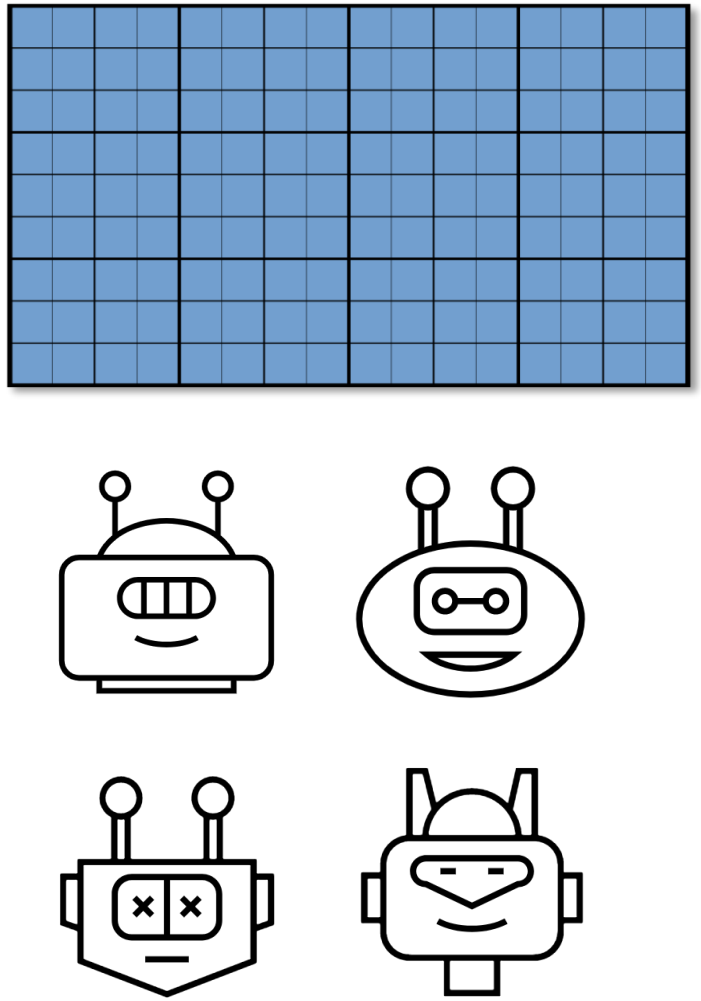
Rendering


URLs
Crawl Queue
URL
Crawler
HTML
Processing
Index
Googlebot
Render Queue
Rendered HTML
Renderer



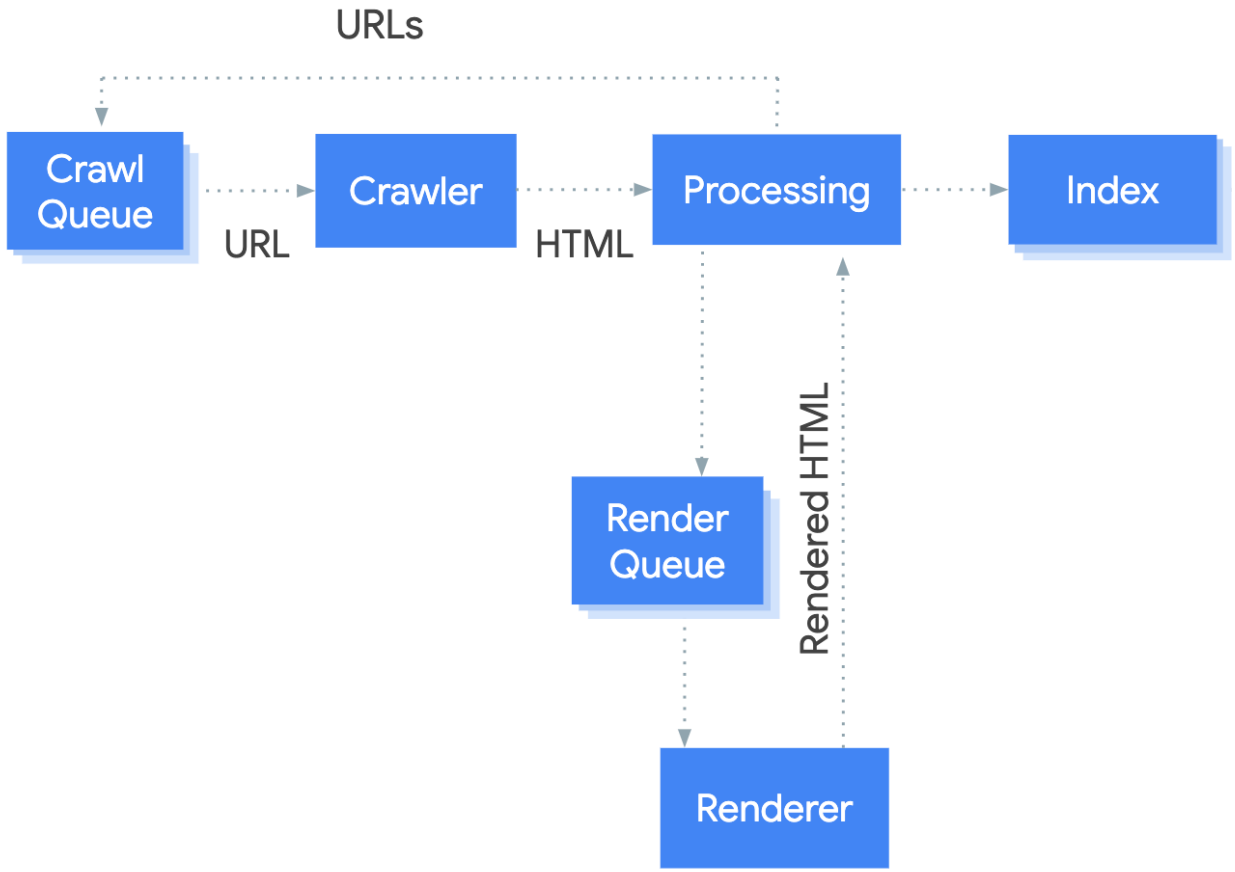
Rendering

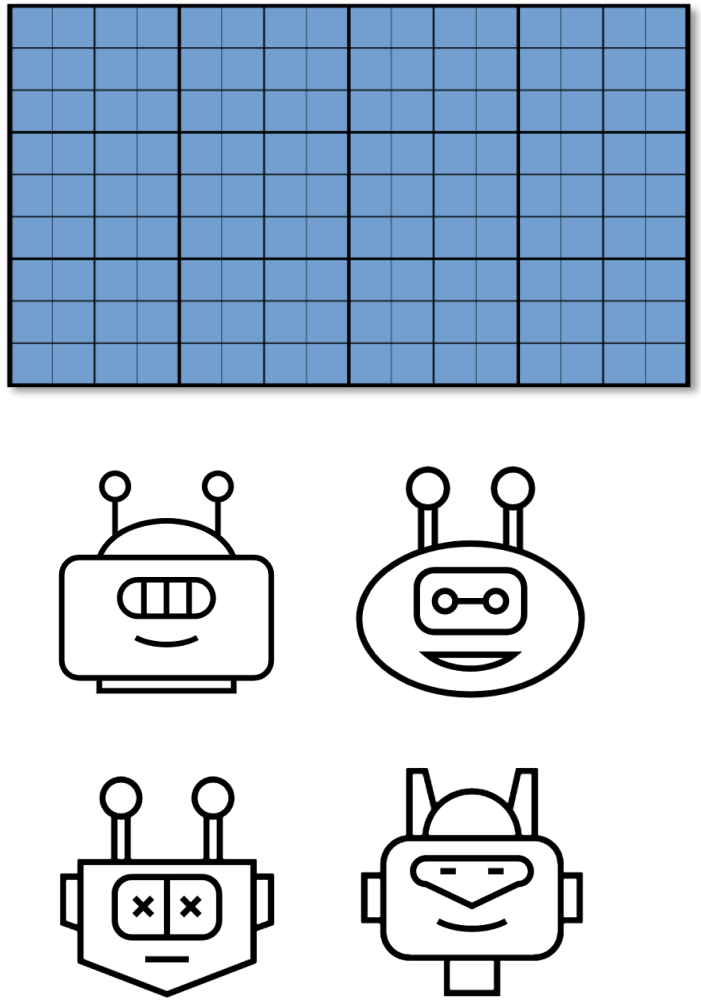




Crawling and rendering

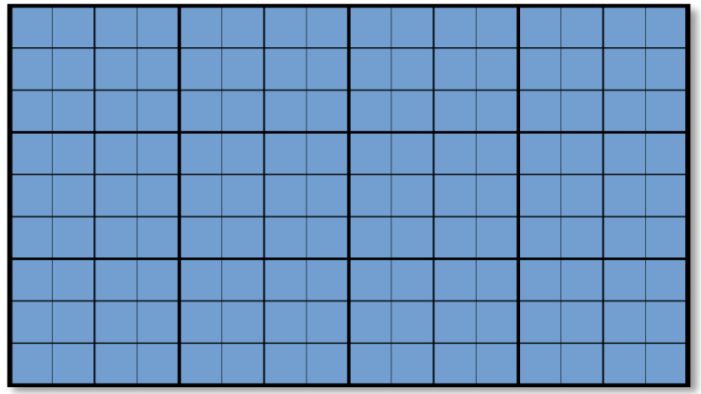
Rendering





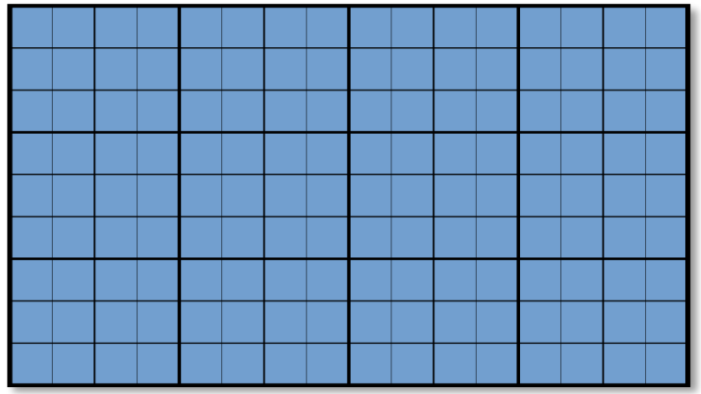
Crawling and rendering

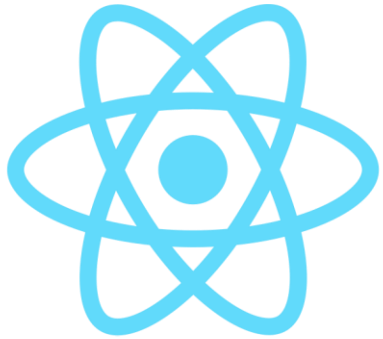
Key concept



- Crawling and rendering are separate processes
- All URLs that are crawled are rendered (but maybe not indexed)
- Crawling and rendering usually happens “in parallel” but can sometimes take days or weeks

What happens with ...

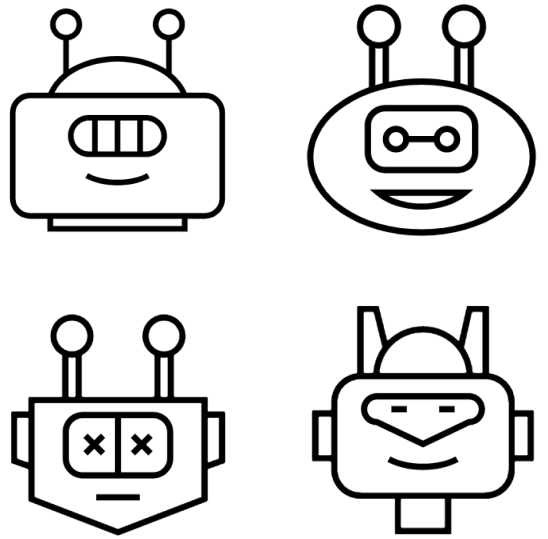




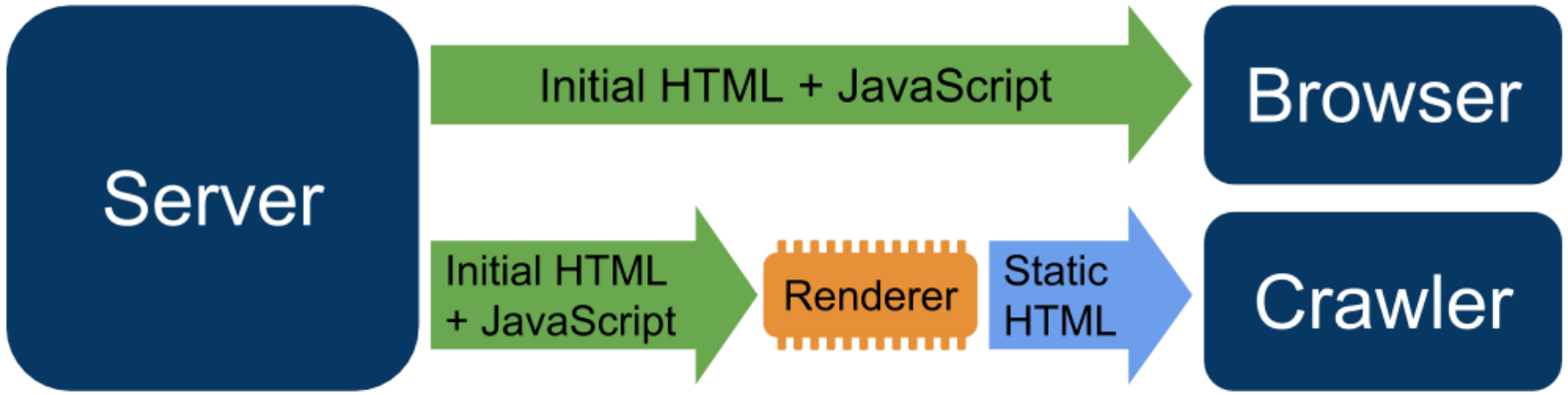
React

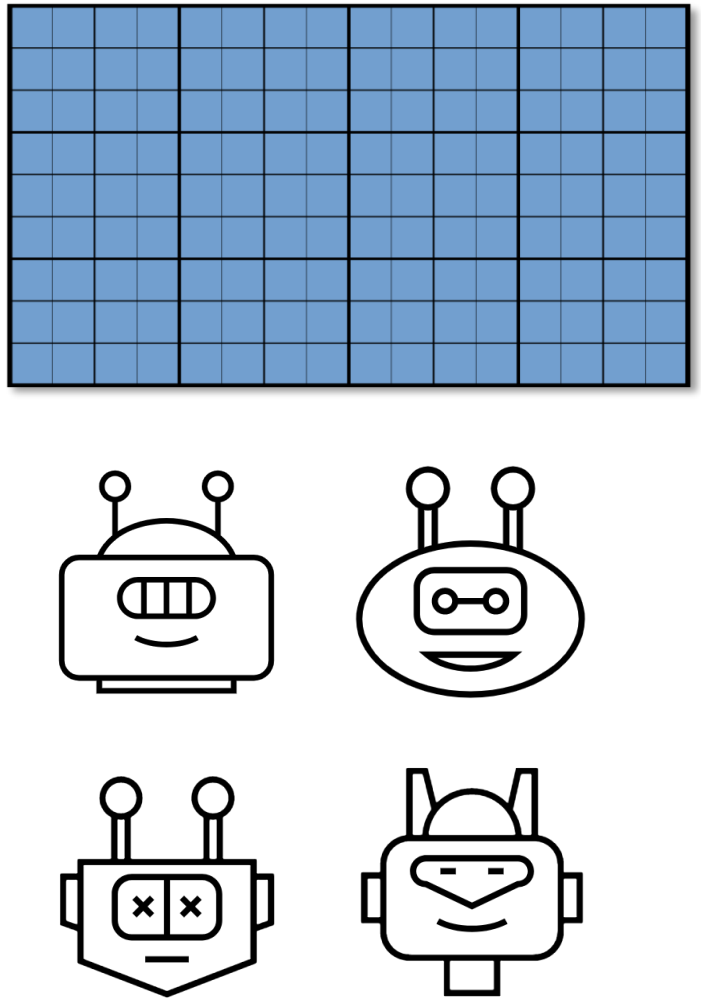
Vue

Angular

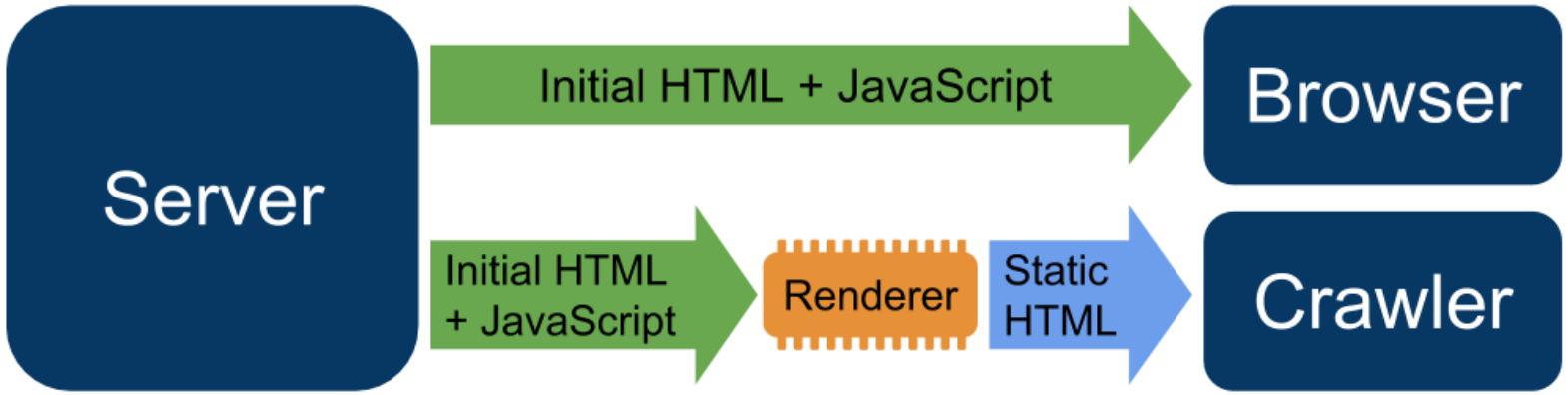


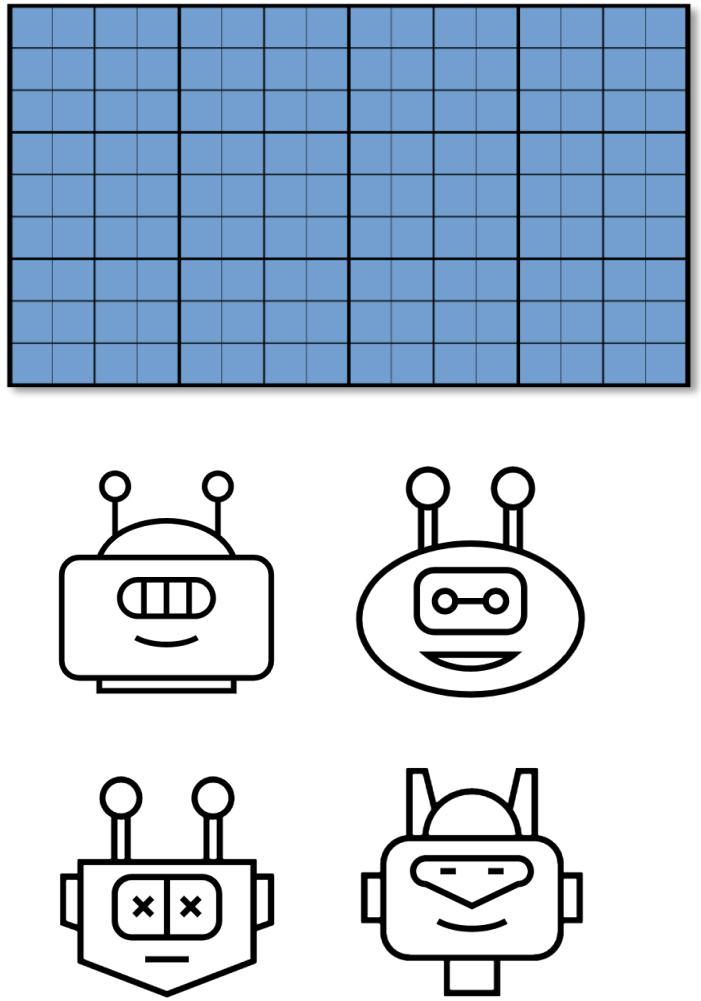
Dynamic rendering





Dynamic rendering





We can use detect who is requesting a page by looking at the **user agent**