GiSunday Aug 14, 21:00PM JST

* Recall: Settled on creating a Chrome extnesion analyzing performance of website. Use the inspect element feature in Google Chrome.
  + 1) Performance of **users**
  + 2) Product will motivate companies to make more efficient websites.

**Today:**

* \*\*\* Discuss how to extract & process data from websites
  + **=== PRIORITY === How to extract website data from API???**
    - **Inspect Element** 
      * **→ “**Elements” tab for HTML
      * → “Styles” tab for CSS
      * → “Sources → Page” for JS
    - **BUT INSPECT ELEMENT** doesn’t tell the whole story… Need to obtain information from the API (where the data is coming from): [**Chrome DevTools**](https://developer.chrome.com/docs/devtools/) **API**
* Discuss whether to use Yew/Rust (more efficient) or HTML/JS/CSS (faster but less efficient; ironic considering topic’s focus).
  + **Q:** is it even possible to make Chrome extensions using Rust?
    - **A: (Rick)** Adjusting configurations in manifest.json, seems we can (but not sure らしい)
  + As beginners (at least Leo & Kento), would probably be easier to use HJS rather than Rust. Especially if we are only creating the front-end.
    - But if we add more features (database storing, etc.) then Rust could be better
* **Q:** How do we store the data we scrape? Should we even store the scraped data & put into database? This would be necessary for creating a ranking for different websites.
  + **A:** Seems a bit outside the scope of our project. If we have time we could perhaps look into this but not a priority.
* Rick has an idea for commercializing users to use the product. Similar to how some extensions block certain websites (malicious, etc.), our product could tell consumers from a environmental POV about whether to use websites or not.
  + Not a priority though.

**For Next Meeting**

* Look into **=== PRIORITY ===**
* Start working on code (JS) that can extract the data from the website
  + Start with printing in Console (bites received/sent by website continuously etc.)

1, Show how many bytes being sent since opening up the webpage (JS ) (Leo -> Kento)

2, Clear steps for creating a browser extension from local files to application (JS) (Kento -> Rick)

3, Extracting data from API (as many kinds of data as possible) (Rick -> Leo)

4, Keep searching for how to analyze the data is the best ()

Leo -> Kento -> Rick -> Leo -> …

**Resources**:

<https://developer.chrome.com/docs/devtools/>

[How to access data shown in devtools (inspector)](https://stackoverflow.com/questions/30557513/how-to-access-the-devtools-api-without-actually-opening-the-devtools-window/30557846#30557846)