

Website Building: Collaboration & Translation Engine

Full Stack – Scraper + React + NodeJS + DB + AWS

The following exercise contains the following subjects:

- ♥ Everything we learned.
- ♥ Self-learning new topics.

The assignment

We are going to build a website translation engine in order to provide accessibility.

Things to think about

- Team leader.
- Collaboration.
- Source Control.
- Infrastructure.
- High level sketch, schedule and design.
- Micro teams and micro assignments.

Starting the work

- Document every decision of your team
- Assign responsibilities of team leader and micro teams
- Convince your teammates to create your idea.
- Create a website where you can input a link.
- Use a scraper to scrape the page for your desired data.
- Store the object (think about where and how).
- Create 2 more pages, one for the objects that are waiting to be translated and one for already translated objects.
- Create CRUD operations for both pages.

More things to think about

- Webserver + Storage
- Infrastructure \ Git CI/CD \ automated testing [optional]
- Design and deploy Service worker for the translation.
- Think about automated build (cli / collaboration / service)
- Think of scalability, Availability, Globality, Performance, Security

Finishing the work

- Install the website on the AWS instance with CI/CD in mind so every commit will be automatically installed.
- Use a service (server or serverless) that checks if the document is translated.