

Project outline

This project is a group with the purpose of conveying information about difficult situations around the world by Les Misérables research team. Therefore, this report covers the development of a website application for unemployment rate information while working on a project as a scrum team. In this project, in a situation where the economy deteriorates after Covid-19, we want to build a user-centered website by using the unemployment rate provided by the OECD (Figure 1).

So, we design and implement a system to provide easy access to this unemployment rate information.

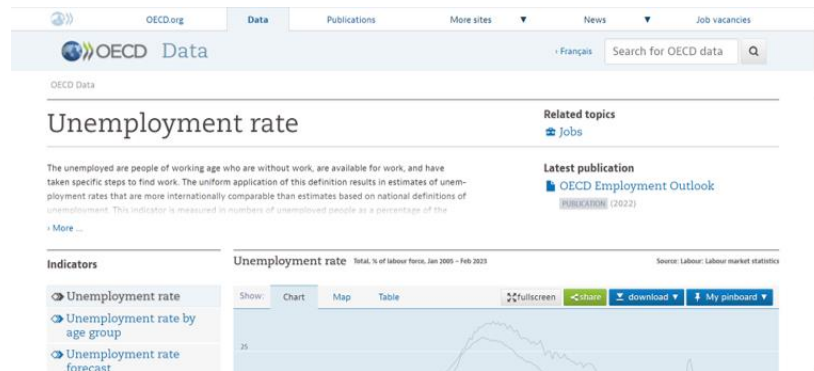


Figure 1 – Unemployment rate (OECD)

The objective of this project is to design and implement a system that provides easy access to information on current unemployment rates worldwide. Basically, it should function as the front end of the database, providing a way to create, read, update, and delete data from the website to the database on the server.

In this project, the design part is explained in the following procedure. So, basically, this project develops the system through the process shown in the figure below.

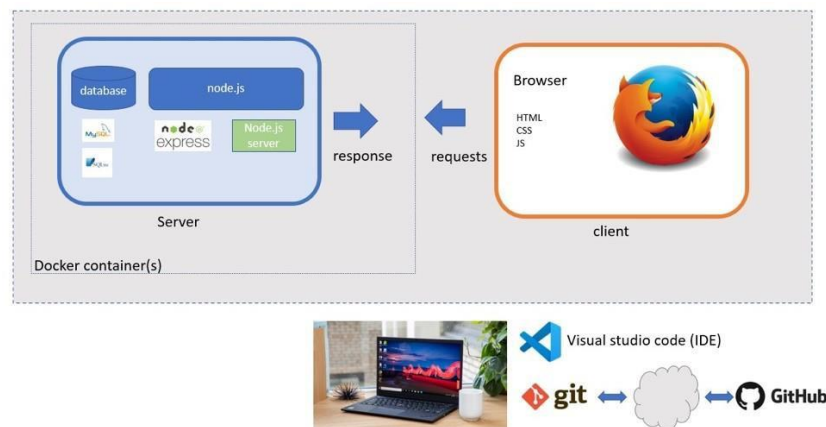


Figure 2 – system process

The following SQL database will be used to design and implement the new unemployment rate information system, which is the purpose of this project, to be easily accessible:

https://www.oecd-ilibrary.org/economics/data/oecd-stat/data-warehouse_data-00900-en

Therefore, the process of this project should include:

- Identification of requirements
- Task assignment
- Identify project scope
- Stakeholder identification
- Risk management

Typically, preliminary design activities identify components, create component specifications, design user interfaces, and create data models. In particular, the core of this project is that it uses an agile methodology that can respond immediately to user requirements. Therefore, it can be said that it is a methodology that develops software while continuously reflecting user responses through an agile methodology.