

HKU-TDLEG Website Development

Zhang Wenkai



Introduction

Cryogen is a Clojure-based static website development tool. Developers can use it to build their static blog websites easily. This project aims to develop a website using Cryogen to record the progress of all HKU-TDLEG projects. During the process, I explored the features (advantages, disadvantages, functions, etc.) of Cryogen.

Advantages

1. It provides three well-designed themes.
2. It directly converts Markdown files into web pages/posts.
3. All key configurations are centralized in config.edn file.
4. Developers can generate the website locally.
5. Appearance settings (CSS, HTML, JavaScript) are centralized in the /themes folder.



Disadvantages

1. It cannot recognize the MathJax math formula. Developers have to use formula images or import JavaScript codes to show a properly rendered math formula.
2. The tool is not very flexible. Developers may not get the outcome they want and have to modify the generated website code/structure.



Limitation

1. As I'm new to Cryogen, I may miss some critical features in the short two months.
2. I have not used any other website development tools before, so the summary may not fully demonstrate Cryogen's unique characteristics.
3. Some problems I considered difficult might not be the case for an experienced developer.



香港大學

THE UNIVERSITY OF HONG KONG