N technical implementation

In the whole project, we adopted the development method of separating the front end and the back end, in this way, we can focus on the unilateral learning and development of front-end technology or back-end technology during the development process to improve efficiency. During the test the source of the BUG can also be found more quickly and sent to the front-end or back-end engineers for modification respectively. Focusing on the future, by separating the front end and the back end, the real front end and the back end can be decoupled to reduce the server load caused by the increase of traffic in the future. If the server goes down due to excessive business requirements, there will be no significant impact on the front-end pages. Meanwhile, due to asynchronous loading, no matter how complex the front-end pages are, the response speed of the server will not be affected. In this section, we are going to introduce Front End and Back End.

N.1 Front End:

We divided the front end into two parts, customs’ interface and employees’ interface. Both of them were built based on VUE framework. When we coding the most different between VUE and traditional HTML+JavaScript+CSS model is in VUE frameworks we put all these three parts into one file. Just like the figure N.N.N in below.

N.1.1 Responsive programming:

Responsive programming is one of the features of the VUE framework, there is a folder called store, a file called store.js can be found in this folder. This file is the key part to realize the responsive programming. The code in this file can be divided into three part:view, state, actions.

