

## **First week review in Winter holiday**

**(2018.1.22-2018.1.28)**

### **Bill:**

In this week, I have selected and programmed the porter stemming algorithm which is a kind of segmentation algorithm. I referred the algorithm from M.F.Porter. And add the basic stemming rule mainly including three steps: get the word group according to the space / symbol / paragraph, filter and remove stop words like a/an/and/are/then, and stemming. For example, apple and apples, doing and done are the same mean.

In the next week, I will build a basic medical word rule include professional medical words and normal medical words. Increase the search accuracy and better user feeling.

I suggest the iterative version is very important. That can present the thought and the specific work that we did. And we can improve the technology to provide user a better user feeling.

### **Kelly:**

I'm Kelly Tu, and I'm responsible for the data mining section. This week, I studied python related courses on mooc. I used the platform of the archer to crawl the articles of Dr. Chunyu. You can build a connection by configuring a wordpress plugin on the arrow and deploying a wordpress form on the aliyun host database. Modify the code on this platform to get the type of fields we want, and we can graphically capture the data. After crawling the data, the crawler can directly import MySQL on aliyun server. Next week, I'm going to go deeper into search algorithms and participles. Use these algorithms to complete the search application and crawl other related web pages.

### **Yingdi:**

I am Yingdi Song. In the first week, through watching relevant lecture videos and searching by internet, I learned the characteristic and the basic using method of Bootstrap framework.

Bootstrap framework

I a fence layout with 12 columns, 16 columns, 24 columns and 32 columns, and 12 columns is commonly used.

I there are seven steps for loading bootstrap to support CSS, JS, IE, IE8, and so on

1. import the bootstrap framework: `<link rel= "stylesheet" href= "../bootstrap.min.css" >`
2. import the JQuery framework before the body end label.
3. import the JS file after step 2.
4. import the mobile terminal: `<meta name= "viewport" content= "width=device-width, initial-scale=1.0" >.`
5. add HTML tag: `<html lang= "zh-cn" >`
6. if there is a need to support IE, you have to add: `<meta http-equiv= "X-UA-Compatible" content= "IE=edge" >.`
7. If there is a need to support IE8, you need to add responds. JS file

Besides, I finished the initial design of the website interface through completing its functions and discussing with Bill. I also made an initial mockup for all interface I can imagine currently and wrote the code of "Login" interface, but the website still has some problems, for example, we have article, doctor, feedback and manager managements expect tip and topic, and the function of modifying article and doctor is missed.

So, in the next week, I decide to solve the above problems, improve my mockup and summary my requests for the backend to Xin. After that I will complete all codes with Xin. Also, I will continue watch some lecture videos to enrich my UI knowledge.

## **Wade:**

I am Wade, and I has worked on the requirement analysis and system analysis of our project this week. Besides, I talked with Bill and Shihuai Xu several times about the format, content and working procedures. I also finished the configuration of the Android studio and other needed resources. So, the core of the following week is to start programming the fist four pages based on the system analysis document, meanwhile, I need to watch some relevant videos of programming in android.

## **Demo:**

I am Demo Xu, I am responsible for the android back-end technology in this R&D project. In this week, I experienced a face to face discussion with Bill and Wade. Firstly, I imported the android back-end

project in Myeclipse of my laptop. This project is a demo that could demonstrate the basic function of an android project with simple user interfaces. Then, I installed the android studio into my laptop. And I imported this demo and configured it with the help of Bill and Wade. Then, I could test the android project in my HUAWEI mobile phone. Then I checked the sql connection code of this demo and learnt how to connect the database in an android project. Furthermore, I checked the method of data transmission of this demo, it uses the json to exchange data between android front and android-back end. What's more, I also wrote the system's requirement of Web system. Then, I configured the mysql with my Myeclipse in my laptop with h bill and wade at that time. What's more, I checked the knowledge related to MVC model in the android back-end. Because I am family with the MVC model in the WEB system, thus I have to check the knowledge in the android back-end system. Meanwhile, I need to watch some educating videos of programming in android back-end.

### **Xin:**

I am Xin Wang, and I accomplished the configuration of MySQL and My Eclipse in this week. I discussed with Bill about the functions in the web, and designed an initial database draft. Normalization is the best and easiest way to get the logical structure of a table in an efficient relational database. When normalizing data, consider the following: The structure of the database streamlined to the simplest form. Remove redundant columns from the table. Identify all data that depends on other data. And I used MVC model in the web back-end. Besides, I learned knowledge about the front-end development. For the next days, I will continue watching videos about the web back-end. And I will start programming, check details of function with Yingdi.