

## Minute of Team 202113

Basic Information			
Date	2022.2.21	Location	GS15
Time	15:30	Secretary	Haonan CHEN
Chairpesron	Yifei SHAO		
Attendance			
Present Member	Yuke GAO, Haonan CHEN, Yifei SHAO, Yongjing QI		
Absent Member			
Content			
Theme	Detail		
Work report	<p>Web crawling: Zhihang ZHU has finished most of the parts, the problem is FHSS modules only provide a link for us to download a pdf file to get module information</p> <p>API: How to combine front-end and back-end (axios or static jump)</p> <p>Database and cloud server: Instead of provided server in X2go, we intend to use cloud server for convenience</p> <p>Front-end: To fit both in mobile devices, if two systems needed or use bootstrap</p>		

Formal  
meeting  
agenda

Base on the problems we met, we made an agenda for next formal meeting, and Yongjing QI will send to Matt one day in advance

Dear Matt,

Good evening ! How do you do !  
This is tomorrow's meeting agenda !

**Question need to verify with you :**

1. Crawler:
  - i. The Course Structure of the FHSS can not be got because it needs to be downloaded(PDF file).
2. Front end:
  - i. We have two plans for page adapter, any suggestion about this ?
    - 1) use two sets of CSS
    - 2) use bootstrap (as we know, bootstrap will automatically adapt to the screen of using device)
3. Back end Linking with Front end:
  - i. How to realize page jumps and data interaction, (currently we use Vue and Python Flask) we got two plans, any suggestion ?
    - 1) API axios which we are not familiar with
    - 2) Static jump(render, template, redirect, post&get), already learned in DBI, but might be complex
4. For server and cloud database, can we use Ali Cloud server ? (if not, how to use X2go ? )  
Why we want to use this :
  - 1) not quit sure how to use X2go
  - 2) Ali Cloud server has many existing functionalities we can directly use, and there are plenty of tutorials of it.
5. Git use: do we must use git, issue, milestone, label ... , does this account for marking ???

**Current Progress/Progress Update:**

1. Crawler:
  - i. Finish previous requirements about data:
    - 1) Module catalogue: contains Level, Module Name, Module Code, Teaching Period.
      - a) Every module has a html file contains detailed information like introduction, convenor, etc.
      - b) Convenor can be connected with other table contains teacher's information
    - 2) Course information: contains Module Name, Course Name.
      - a) Every module has its related course and one module can be taught in different courses
    - 3) Teacher information: contains Teacher Name, Faculty Name.
  - ii. Gathering all the data needed in the previous stages:
    - 1) Got several information from Module, Course and Teaching Staff.
      - a) Module: ModuleCode + ".html"
      - b) Course: CourseName + ".html"
      - c) Teacher: TeacherName + "." + FacultyName + ".html"
2. Front end(Progress update):
  - i. course page: added specific modules in course structure part
  - ii. Fulfill specific functions and data storage, perfecting page implementation
3. Back end:
  - i. Learn the front end and back end linking, come up with two possible solution(will discuss in meeting)

**Weekly Plan :**

1. Crawler:
  - i. Zhihang:
    - 1) Fix the problem of module information of courses under FHSS
    - 2) Finish the crawler part work, move to work with back end
2. Front end:
  - i. Yifei:
    - 1) prettier search page, post select condition and get corresponding result from back-end
    - 2) add pictures on faculty pages, prettier it
  - ii. Yongjing:
    - 1) Improve the method implementation of front and back end interaction, as well as data storage transfer
    - 2) Deal with rooter things of front-end pages (eg: modules under course)
3. Back end:
  - i. Haonan:
    - 1) The usage of the API of Vue+Python
  - ii. Yuke:
    - 1) Modify/update the database

See you tomorrow ! Have a good sleep ! Good night ! ❤

Best,  
Team 13

Action points

Zhihang ZHU: finish the web crawling code and provide to Matt in next formal meeting

Haonan CHEN: finished research in axios this week

	Yuke GAO: finish the module pages based on the updated database this week  Yifei SHAO: perfect the search pages and course pages this week		
Next Meeting			
Date	2022.2.22	Location	PMB
Time	15:00	Secretary	Haonan CHEN
Chairpesron	Yifei SHAO		