



Fill in this report and turn in it **in PDF format** together with your project source files

Team members

Name:	Liu HengXing	Student ID: 2022229044
Name:	Yang Kunyi	Student ID: 2022229099
Name:	Wang Yiran	Student ID: 2022229094
Name:	Zhang Yiyang	Student ID: 2022229047



Give the link to your video clip:

https://v.youku.com/v_show/id_XNTk4MTEwNjg3Ng==.html

Give the password to your video clip (if needed):

Give the URL of your project: <http://123.56.192.208/quiz-me/index.html>

Give the credentials of the demo user(s) (add more lines if needed):

login: admin_Marc password:TIEI23

(Also you can sign up a new account)

Which version of the project did you achieve (select one):

Version 1 – Version 2 – Version 3 – Version 4 – **Version 5**

How many lines of code do you have in your project (don't count empty line)?

HTML (static): 1226

CSS: 25+9114(the third party css BootStrap)

PHP: 631

JavaScript: 1012

Total: 2894

How many files did you define in your project?

HTML: 14

CSS: 4

PHP: 19

JavaScript:14

How many functions did you define in your project?

PHP: 25

JavaScript: 123

How much time did you spend working on this project (please detail for each team member)?

Our team completed the project from June 20th to July 8th, taking a total of 18 days. Due to the division of tasks, each person spent an average of 9 days on the project, with an average of 4 hours per day.

How did you share the work (explain clearly who did what and how you managed to combine the work of all team members)?

We divided the tasks based on versions, and our project structure follows a separation of frontend and backend. For each version, Yang Kunyi and Wang Yiran primarily worked on frontend development, including HTML and JavaScript related to frontend interactions. Liu Hengxing and Zhang Yiyang were responsible for backend development, which involved writing AJAX in JavaScript and PHP. However, due to the heavy workload of PHP coding and debugging, Yang Kunyi and Wang Yiran also participated in AJAX and PHP development in Version 1, Version 4, and Version 5. Liu Hengxing and Zhang Yiyang, on the other hand, had to write AJAX code to collaborate with frontend JavaScript, so they were involved in frontend interaction JavaScript development for every version. CSS was mainly handled by Zhang Yiyang and Liu Hengxing, with contributions from Yang Kunyi and Wang Yiran. Finally, the four team members conducted testing on different machines using different browsers.

Did you find the project (each team member choose among very easy , rather easy , average difficulty , rather difficult , difficult , very difficult)

Liu Hengxing: average difficulty

Zhang Yiyang: average difficulty

Wang Yiran: average difficulty

Yang Kunyi: average difficulty

What was the easiest part in this project (each team member must answer)?

Liu Hengxing: The simplest part involves performing CRUD operations (Create, Read, Update, Delete) on the questions.

Zhang Yiyang: It is easiest to log out.

Wang Yiran: The easiest part is the logout part.

Yang Kunyi: The easiest part is to get quiz history details

What was the most difficult part in this project (each team member must answer)?

Liu Hengxing: The most challenging part is the timed test section, as different browsers have different logic for disabling JavaScript. To accommodate Chrome and Firefox, the code had to be refactored three times.

Zhang Yiyang: Loading page content dynamically is the most difficult, as debugging involves asynchronous issues.

Wang Yiran: The most difficult part is the quiz management part, because it involves many small functions, such as generating dynamic tables according to filtering conditions.

Yang Kunyi: Managing questions is the most difficult, it has a lot of details and a lot of different situations to consider, especially taking care to distinguish between public and private issues.

Do you think the material you learned during class was sufficient to make the project? Explain your answer (each team member must answer)!

Liu Hengxing: That should be sufficient, although I may still need to refer to additional resources to address certain issues.

Zhang Yiyang: That's enough. Of course we didn't use complex css to decorate the interface, just bootstrap. The ones I remember the most and the ones that guided me the most directly were onload and addeventlistener.

Wang Yiran: I think the materials I learned in class are enough to finish this project. IWP is a comprehensive course, covering various topics related to web development, including front-end and back-end development and database integration. This course provides me with a solid foundation for web development and the necessary skills to build complex interactive web applications.

Yang Kunyi: I think I have learned enough in class. We fully applied the knowledge points learned in class in the project writing, including front-end css and js, back-end php, database connection and ajax to achieve back-end interaction.

**Please give your feeling about that project (was it useful, interesting, necessary,...).
Each team member must answer:**

Liu Hengxing: This project is highly valuable, and it's a great accomplishment to go from zero to one in implementing a full-stack project. The sense of achievement and the enjoyment I experience when deploying it on a server and seeing it run is truly fulfilling. It's an exciting and rewarding experience indeed. In the process, I have also acquired proficiency in crafting HTML, JavaScript, and PHP code.

Zhang Yiyang: The completion of this project gave me a deeper sense of teamwork and allowed me to master a set of processes for doing back-end work in php.

Wang Yiran: Throughout the project, I used various programming languages, including HTML, CSS, JavaScript and SQL. I also gained experience in using popular development tools, such as Visual Studio. I have a solid understanding of the principles of web, and I can use what I have learned in class to build dynamic web applications with quick response.

Yang Kunyi: Internet web programming was a valuable course that introduced me to the essential technologies for building websites and applications. I gained practical skills in HTML and CSS for creating and styling web pages, JS and PHP for adding interactivity and functionality, and AJAX for communicating with servers and databases. These skills are very useful for me to make dynamic and responsive web applications that can meet various user needs.