Questionnaire for final year project of Jane

Name:

Year:

1. Compared with your previous methods to learn Data Structures and Algorithms, do you feel more intuitive by playing around with this demo?

It is actually a quite new way to practice. Comparing to the traditional paperwork, it is much more interesting. In addition, some beginners are not familiar with the knowledge. They may encounter blank brain when in face of the assignment. This way could help them a lot to get familiar with it.

1. //Do you think this project useful for students learning Data Structures and Algorithms? Could you tell the reason why it is useful or not?
2. If you are teacher, do you prefer the method you have learned or the method in this demo? Briefly explain why?

Yes demo.

It will stimulate the desire of students to practice this kind of knowledge. And it will make the class more vivid and interesting.

1. Based on this demo, which functionalities () do you think are helpful for teachers to teach data structures and algorithms?

Algorithm Comparison. Some algorithms are quite similar and they may cause a lot of confusion between students. When they have chance to practice on this website, it will make deep impression on them when they make some mistake during dragging. Even though they have no idea where to put blocks ,they could get the correct answer by trying again and again. In this case, they may memorize and understand it better.

1. Based on this demo, which functionalities () do you think are helpful for students to learn data structures and algorithms?
2. Which functions () do you think need further improvement? In what specific areas?

No

1. Do you have some other comments?

‘Hello,xxxx’ needs to be placed just near ‘Logout’.

Some code lines which are independent from each other are not supposed to be placed in sequence in answer.

Teachers’ personal center need to have the maximum and minimum zhongweishu score of students.

Name : Tony Grade :third year

1. Compared with your previous methods to learn Data Structures and Algorithms, do you feel more intuitive by playing around with this demo?

That can increase the fun of study and make easy to understand about the difficult points.

1. //Do you think this project useful for students learning Data Structures and Algorithms? Could you tell the reason why it is useful or not?
2. If you are teacher, do you prefer the method you have learned or the method in this demo? Briefly explain why?

Yes, because if student directly write the code that make some students stay in the trouble status, it can be improved by using this method.

1. Based on this demo, which functionalities () do you think are helpful for teachers to teach data structures and algorithms?

Algorithm comparison.

1. Based on this demo, which functionalities () do you think are helpful for students to learn data structures and algorithms?

Algorithm comparison

1. Which functions () do you think need further improvement? In what specific areas?

No

1. Do you have some other comments?

No

Name : Eden Xiang Grade : 4

1. Compared with your previous methods to learn Data Structures and Algorithms, do you feel more intuitive by playing around with this demo?

It is a good attempt, online quiz is more easier to manage and more fun! but it still have some constraints like the limitation of the device.

1. //Do you think this project useful for students learning Data Structures and Algorithms? Could you tell the reason why it is useful or not?

//

1. If you are teacher, do you prefer the method you have learned or the method in this demo? Briefly explain why?

目前的功能仍然不太完善，想要完整地出一道题较为难以操作，甚至可能比出纸质quiz的效率更低。但是如果能够支持更多的功能以及更加快速方便地操作的话使用这个是一个节约用纸的好方案，同时也可以减少很多阅卷负担。学生也可以自主地去进行训练（时间更加自由，更加个性化）

1. Based on this demo, which functionalities () do you think are helpful for teachers to teach data structures and algorithms?

可以调节难度可以让老师更加方便针对性地根据全班学生的实际学习情况来调整难度，同时一定程度上也能够防止两个半的同学之间进行抄袭。

Group方法是一个很好的设计。能够更好地展现代码结构。对于编程初学者来说是非常必要的提示

1. Based on this demo, which functionalities () do you think are helpful for students to learn data structures and algorithms?

学生也可以自主地去进行训练（时间更加自由，更加个性化）

1. Which functions () do you think need further improvement? In what specific areas?

Indent操作有些过于繁琐。

1. Do you have some other comments?

UI还有很多的提升空间，比如拖拽操纵不够顺畅。创建一个题目需要确认的步骤有些繁多导致出题的效率以及整体体验不是很好

可以考虑添加一个题目搜索功能，这样更够更加方便地找到题。

Name:Grant Year: 3

1. Compared with your previous methods to learn Data Structures and Algorithms, do you feel more intuitive by playing around with this demo?

我认为这个demo更直观，因为这个demo的每个题目都有完成这道题的所有代码，并且以拖拽的方式可加强学生与题目的互动性，使学生更方便地学习Python

1. //Do you think this project useful for students learning Data Structures and Algorithms? Could you tell the reason why it is useful or not?

我认为这对学生学习Data Structure and Algorithms很有帮助，因为对于没有学过的学生，有代码的提示能帮助学生更快速的学习语法知识。

1. If you are teacher, do you prefer the method you have learned or the method in this demo? Briefly explain why?
2. Based on this demo, which functionalities () do you think are helpful for teachers to teach data structures and algorithms?
3. Based on this demo, which functionalities () do you think are helpful for students to learn data structures and algorithms?

我认为更换难度和拖拽这两个功能很有用，因为更换难度可以帮助不同水平的学生更好的学习，拖拽的方式可以使学生更方便地学习

1. Which functions () do you think need further improvement? In what specific areas?
2. Do you have some other comments?

UI: 在学生界面，可以在学生做过的题目右边显示这个学生在这道题得的最高分和日期