Participant Information Sheet

Animation of Sorting Algorithms and their Correctness

Dear Participant,

Thank you for agreeing to participate in this questionnaire survey in connection with my Undergraduate coursework at the University of Nottingham Ningbo China. The project is a study of how to understand and learn common sorting algorithms. This project focuses on programming beginners like the first-year students in the university. The final output of this study is a software which provides vivid animation teaching to make abstract algorithms easier to understand. Also, it provides users with practical opportunities so that users can experience the correctness of algorithms and even implement algorithms by themselves.

Your participation in the survey is voluntary. You are able to withdraw from the survey at any time and to request that the information you have provided is not used in the project. Any information provided will be confidential. Your identity will not be disclosed in any use of the information you have supplied during the survey. The WeChat account data obtained from the questionnaire will be completely cleaned up in the data analysis stage. Other data will be securely stored on the device of a trusted developer, the data will not be disseminated, and the data will be completely deleted after development.

The research project has been reviewed according to the ethical review processes in place in the University of Nottingham Ningbo China. These processes are governed by the University's Code of Research Conduct and Research Ethics. Should you have any question now or in the future, please contact me or my supervisor. Should you have concerns related to my conduct of the survey or research ethics, please contact my supervisor or the University's Ethics Committee.

Yours truly,

GRP Team10.

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声明

研究题目： 排序算法的动画演示及其正确性

尊敬的参与者：

　　谢谢您参与这次问卷调查。这次问卷调查是我在宁波英国诺丁汉大学本科研究相联系的。该研究是关于如何理解和学习常见的排序算法。该项目侧重于编程初学者，例如大学的一年级学生。这项研究的最终成果是一个软件，该软件提供生动的动画教学，使抽象的算法更易于理解。而且，它为用户提供了实践机会，使用户可以体验到算法的正确性，甚至可以自己实现算法。

　　您是自愿参与此次问卷调查的。您可以在任何时候选择放弃这次的问卷调查，并要求您提供的信息不被使用在此次调查中。您提供的所有信息都是保密的。在使用您提供的信息时不会涉及您的身份以及个人信息。由问卷星获得的微信账号数据将会在数据分析阶段被彻底清除。其他数据将被安全保存在可信的成员的设备中，数据将不会被传播，开发结束后数据将被彻底删除。

　　宁波诺丁汉大学已根据研究道德检查程序对这项研究项目进行检查。这一程序是在学校关于研究行为和研究道德的行为标准的指导下进行的。如果您现在或将来有任何疑问，请联系本人或我的导师。如果您对我在问卷中的研究行为或研究道德有任何质疑，请联系我的导师或者英国诺丁汉大学的道德委员会。

GRP 第 10 组

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