address list design **Experiment Report**

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1. **Experimental purpose**
2. 1、Use the basic operations to implement the specific operations for the linear table;
3. 2、Master the application of file operations;
4. 3、Improve the understanding of the data structure of linked storage structure, and gradually cultivate the programming ability to solve practical problems.
5. **Experimental environment**
6. A computer with Visual C ++ 6.0 / CFree.
7. This experiment has 4 class hours in all.
8. **Experimental content**

(See the instruction manual for the above three parts)

图形用户界面, 文本, 应用程序, 电子邮件

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图形用户界面, 文本, 应用程序

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文本

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1. **Important data structures**

Important data structures and explanatory notes for global variables are used in the experiments

Linklist struct

1. **Implementation analysis**

The idea of an implementation or analysis of a flowchart

1. Add a record: Add a student record from the input.
2. Delete a record: Delete a student record according to the student id from the input.
3. Output all records: Display all the records in the address list.
4. Search by name: Input the student name and then output the whole information of the student.
5. Save records: Save all the records in the address list to a certain file.
6. Clear records: Delete all the records in the address list and then delete the file.
7. Quit
8. **Debugging problem analysis**

Problems encountered in debugging and Solutions

1. **Summary**

This experiment knowledge summary and own experience

* When the program starts, it should be determined whether there is a record file. If the file exists, read each record from it to the list.
* After the user selects and completes a function of the main menu, the program should return to the main menu.
* When a record is added, it should be inserted into the tail of the list.

1. **Crew Division**

|  |  |  |
| --- | --- | --- |
| **Group division** | | |
| **Member name** | **Work done** | **Completion situation** |
| **樊磊** | **创建链表，查找，新增学生节点** | **已完成** |
| **雷登文** | **功能菜单，删除学生节点** | **已完成** |
| **罗力铭** | **推出** | **已完成** |