

C++ Programming Project Titles

Constraints:

- 1) Maximum 4 students in a group to finish the project
- 2) Submit the executable project source codes.

1. Staff Information Management System

Staff information includes: staff No (unique), department, staff name, sex, age, education, salary, address, phone number.

Department's information include: department No, department name

Design a C++ program which includes the following functions:

- a) system should has a friendly interface for users to select different functions
- b) staffs are in different departments (at least three)
- c) enter department information
- d) display department information
- e) delete deparment information
- f) modify department information
- g) add department information
- h) enter staff information, the information of staffs is stored in files for different departments
- i) display staff information
- j) delete staff information
- k) modify staff information
- l) add staff information
- m) display staffs' information by selecting the staff number, the staff name, or the department

2. Library Information Management System

Books in the library include the following information: Book No, Book Title, Authors, ISBN, Year, Publishing house, Price.

Borrowers' information includes: Borrower's name, Borrower's sex, Borrower's age, Borrower's phone number, Borrower's address, Borrowed book's No (student can borrow maximum 3 books at the same time), Due date of borrowing of each book

Design a C++ program which includes the following main functions:

- a) system should have a friendly interface to select different menus
- b) enter book information, the information of staffs is stored in files
- c) display book information
- d) delete book information
- e) modify book information
- f) register borrower's information, the information of borrowers is stored in files
- g) delete a borrower's information
- h) modify a borrower's information
- i) borrow a book for a borrower
- j) renew a book for a borrower
- k) display a certain book's information by selecting the book No, the book title, the author, ISBN, or publishing year
- l) display books ordered in price

3. Student Score and Information Management System

Student information includes: Student No, Name, Sex, Age, Institution, Major

Course information includes: Course No, Course name, Course credit, Course property (compulsary or optional)

Student score information: Student No, Selected Course No, Course score of each course

Design a C++ program which includes the following main functions:

- a) system should has a friendly interface for users to select different menus
- b) input students information, stored in files
- c) modify student's information
- d) delete student's information
- e) display student's information which satisfies certain conditions, such as student name, student No, selected courses of the student, or institution
- f) input courses information, stored in files
- g) modify courses information
- h) delete courses information
- i) student selects courses (student should select and obtained at least 32 credits in total for graduation, in which at least 24 credits are from compulsory courses)
- j) enter students score for the course
- k) Display information of student who failed in the exam of a course
- l) Display the selected and obtained credits of a student