

Course CS2560 - Computer Science II

Course Project

Check the submission of the projects of groups							
Course Number: CS 250				Course Title: Computer Science 1			
Class: TROY 14CS							
Group	Student's name	Check the submission					
		Project 1	Project 2	Project 3	Project 4	Project 5	Project 6
1	Phạm Tiến Chung	On time	On time	On time	On time	On time	
	Đào Đình An						
2	Ngô Quang Duy	On time	On time	On time	On time	On time	
	Nguyễn Huệ						
3	Nguyễn Đức Quân	On time	On time	On time	On time	On time	
	Đặng Long Long						
4	Đào Trọng Đạt	On time	On time	On time	On time	On time	
	Đặng Anh Dũng						
5	Trần Khánh Chương	On time	On time	On time	On time	On time	
	Đặng Hoài Nam						
6	Hà Nhân Ngọc	On time	On time	On time	On time	On time	
	Nguyễn Sinh Hùng						
7	Lê Thanh Hiệp	On time	On time	On time	On time	On time	
	Tạ Tuấn Tường						
8	Lưu Đình Khánh	On time	On time	On time	On time	On time	
	Nguyễn Hoài Phong						
9	Nguyễn Thế Hoàng Nam	On time	On time	On time	On time	On time	
	Nguyễn Đình Phong						
	Nguyễn Trọng Duy						

The figure show an Excel sheet which is used to manage the Project Submission for a course. Create a software replacing the above excel worksheet. The program should provides the following functionalities with a menu-driven interface as follow.

1. Group information:

1.1 Input information of group: Ask user for the number of groups in the class, then input the information about group members. Each group has at least one member. A student can not belong to more than 1 group.

1.2 Display information: of all class (group by group) - or just the members of a group specified by user.

1.3 Save group information to a file named group.txt so that it can be loaded next time.

1.4 Load group information: Load data from the file group.txt

2. Project (assignment) deadline declaration: Input a number of projects for all course. Each project has a number (for exp Project 1, 2, 3..), a short description, a submission deadline. Student can see again the information about the project declaration if necessary.

3. Submit project: The class monitor is responsible for inputting: Group number, Project number, submission date.

4. Statistic:

a) Instructor inputs a project number; the program displays a table show the state of submission of this project for groups (late/on time).

b) Instructor inputs a group number; the program displays a table show the state of submission of all projects of this group. For the projects which have time for submission (do not reach the deadline) - display the text: Not yet submitted.

5. Overall Statistic: Ask user want to watch statistic for the period between the beginning of the course to a specific date (inputted by user) or to current time. Then displays a table show the state of submission of all projects having deadline before that date or up to current time

Export result to a text file named: Overall statistic.txt

6. Find groups do not complete or submit on time.

7. Quit.

Note:

You should design the structure about every Group submission. Each group has an array of member (string object), a group number.

The group submission information related to group – the project number – the due date, the submission date – the state: On time or late.