

## Project Work – Part 2

Solution Due Date: 15.03.2009

### Event Directory

You have now completed the first part of the project. For part 2 we will limit the tasks to the department level, we will not handle the university and the faculty level. You are asked to proceed with the following new tasks.

Task 5:

- Create a list (dynamic linked list) of **department objects** (read data from text file).
- Print the names of all departments.
- Print the properties of a particular department.
- Search the list for a specific department name.
- Add and delete departments.

Task 6:

In this task you will establish a relationship between staff and department.

- Create a list (use any data representation) of **“staff department” object** (read data from text file).
- Print all staff member names of a particular department.
- Print the department name of a particular staff member.
- Add and delete staff members to departments.

*(Hint: use staff identification and department identification or department name.)*

Task 7:

- Implement a new version of the client file that handles the tasks in both part 1 and part 2 of the project.
- Include a Makefile in your solution.