**TASKS**

Create the following functionalities: (These are the minimum functionalities. I’d be more impressed if you could add additional functionalities to make the application more useful to the administrator of such a simple application). Ensure you write good code, clean code, efficient code, good/appealing user interface design e.t.c. In short, do amazing work!

**Institution**

1. -Add a new institution *(If an institution with the same name exists, don’t save the new institution. Instead, tell the user that there’s another institution with the same name)*
2. *-*List all institutions.
3. Be able to filter (search) the list of institutions.
4. Be able to sort the list of institutions by name (ascending and descending) simply by clicking the NAME header of the table.
5. -Delete an institution *(only if the institution is not assigned a course, otherwise show a relevant error message to the user)*
6. *-*Edit the name of an institution *(you can’t change the institution name to that of an existing institution, in such a case, show the relevant error)*

**Course**

1. -List all courses done by an institution. *(This should be list of courses per institution (you could use a drop down to achieve this).*
2. *Be able to filter the courses by searching. Be able to change the institution and have the list of courses change to reflect this.*
3. *Be able to sort the courses by name in ascending and descending order by simply clicking on the course name table header.)*
4. -Delete a course. (*You shouldn’t be able to delete a course that’s been assigned to at least one student. Show relevant error in such a case.)*
5. -Add a course to an institution. *(You shouldn’t be able to add two courses with the same name to the same institution. In such a case, show the relevant error to the user)*
6. -Edit the name of a course. *(The above condition applies as well)*

**Student**

1. -Add a student and assign them a course.
2. -Delete a student
3. -Edit the name of a student
4. -Change the course the student is doing within the same institution.
5. -Transfer the student to another university and assign them a course.
6. -List all students in a given institution, and be able to search. Be able to filter the list of students by course.
7. -When listing students, show 10 students at a time.