

Introduction to Computer Communications – Project — Developing a website in MVC

The project – Software Engineering department

Instructions:

1. The project can be developed in singles or in pairs in MVC ONLY.
2. The project is to be presented during the dates published in Moodle (later in the course). All the partners must be present during the meeting. **Both partners will be graded separately for their part in their project.**
3. The project must be submitted till 12/01/2020 into Moodle. Only one partner should submit the project but the names of both partners must be included.
4. The delay can be granted **only** due to the sickness and military reservation service (miluim). The delay can be asked **only** via a student request with the attachment of relevant documents.
5. Copying ANY part is strongly prohibited and will be graded by 0, all the students will stand to disciplinary committee in this case.

You are to develop a website for managing the Software Department at SCE (local host) using all the technologies taught during the lab sessions.

The user types and their permissions, respectfully: lectures, students and faculty administration. All of the three types of users should get a separate page view according to their permissions.

Software Engineering department is a slight version of the real Software Engineering department at SCE and should manage students, lecturers, courses, their grades and exam dates.

Each course:

- has a list of students and one lecturer assigned to it.
- Has a schedule (day, hour and classroom)
- Has two dates for the exam (Moed A and Moed B with the classroom it takes a place).
- Shows an exam grade after the exam date. The grade of Moed B (if taken) overrides the grade of Moed A exam.

Lecturer:

- Is associated with a course (may lecture several courses)
- Can view his/her schedule (course, day and hour)
- Cannot lecture different courses at the same time
- Can view the list of students associated with a relevant course.
- Can view the grades of the exams after each Moed
- Can update the course grade

Students:

- Can view their schedule (courses, days, hours)
- Cannot take two or more different courses at the same time
- Can view the exam schedule

Faculty Administrator:

- Can assign the students to the course
- Can manage (and edit) the course schedule

- Can manage (and edit) the exam schedule
- Can update the course grade

All data must be managed in the Database according to the user permission. For any violation, the points will be taken.

Bonus (up to 10 points):

(Online) Chat between:

- the students and the lecturer
- the students and the faculty administrator
- The lecturer and the faculty administrator

Good Luck!! 🍀👍