



Individual Assignment - 1

Semester 2023-EJ

1. Instructions

- Assignment is individual. If two codes are very similar, students will be asked.
- It is due by Tuesday March 14, 2023, at midnight.
- **Friday March 17, 2023, you must present the functionality of your code directly to me. If you cannot attend physically, it will be online.**
- You must upload your source code file (.js) to Teams, named as 2023_EJ_STCS_[your name]_practica_1.js
- Replace [your name] by your complete name, starting with the surname without accents, and replacing spaces with _. For example:
2023_EJ_STCS_gomez_carranza_juan_carlos_practica_1.js
- CHECK THE FILE NAME, if its incorrect 5 points will be discounted.
- Take good care of code indentation, consistency in name variables and comments, this will be considered for grading.

2. Description

Using arrays, objects, classes and all the required data structures and control flow statements, write a JavaScript code to perform CRUD operations over two entities: **student**, and **event**, and over the registration of **students** in an **event**.

Consider the following properties for each entity:

event: id, title, date, hour, place, speaker name, and list of registered students

student: id, complete name, email, and career

- For the career consider only the initials (e.g., LISC).
- For the ids and semester use integer numbers.
- Auto generate the id considering the number of elements in each entity.
- In the list of registered students store only the id of the students.
- For the rest of properties use strings.

You must create a menu to interact with the user to perform the CRUD operations over the two entities, and over the registration of students in an event.

Conduct and manage all the required checks and conditions for performing the operations. Consider at least the following:

- check if the id of a student in an event already exists.
- check if the id to register a student in an event is valid.
- when adding an event, check that the combination of [date, hour, place] does not exist.
- when adding a student, check that the email does not exist.
- others you consider relevant.