

Instituto Superior de Engenharia de Lisboa

Computer Science and Computer Engineering BSc

Software Laboratory

Summer Semester 2023/24

Assessment Sheet, LEIC41D, Variant 1

The delivery of the solution must be done by creating (and pushing) the branch **eval1-nnnnn**, where **nnnnn** represents the five digits of your student number. To do this, you can perform the following sequence of commands:

- `git clone <repo-url>`
- `git checkout <phase2-tag>`
- `git checkout -b eval1-<number>`
- Make the changes
- Add new files (e.g. `git add ...`)
- `git commit -am "eval1"`
- `git push origin eval1-<number>`

Place the answers to the theoretical questions in separate markdown files, located in the root directory.

1. In the context of the Git version control system, what is the difference between the *add* and *commit* commands?
2. What status code should be returned in an HTTP response when one of the parameters passed in the creation of a resource has an invalid format? Justify.
3. Add to your work's Web API the operation to obtain the number of sessions in which a specific player is present. The information must be obtained from the Postgres database and should return at least the player's identifier and the number of sessions. Don't forget to also include the validation test(s) for the implementation of the operation.

Duration: 90 minutes
ISEL, May 2, 2024