

# Instituto Superior de Engenharia de Lisboa

Computer Science and Computer Engineering BSc

## Software Laboratory

Summer Semester 2024/25

Assessment Sheet, LEIC41D, Variant 3

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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 eval1V3-<number>`
- Make the changes
- Add new files (e.g. `git add ...`)
- `git commit -am "eval1V3"`
- `git push origin eval1V3-<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, indicate in which situation the `add` command should be used.
2. Is the use of the GET method in an HTTP request to the URL <https://example.com/rentals/1/delete> appropriate to delete the rental with identifier 1? Justify based on the HTTP protocol specifications..
3. Add to your project's Web API an operation to retrieve the list of users who made rentals on a specific date, including the number of rentals made by each user. The date should be passed as a parameter. The information must be retrieved from the PostgreSQL database and must include, at a minimum, each user's identifier and the count of rentals made on that date. Don't forget to also include the validation test(s) for the implementation of this operation.

Duration: 90 minutes  
ISEL, May 8, 2024