

# D04 – Acceptance testing Requirements

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## Requirements for levels C, B, and A

- Item 1. A document that describes the costs of your project. The rest of the documentation is expected to be provided in your project management system and your source code, where appropriate.
- Item 2. A conceptual model and a UML domain model regarding project “Acme Rookies”.
- Item 3. An Eclipse/Maven project that fulfils the requirements in project “Acme Rookies”. The project must include a functional test suite with at least one positive test case and one negative test case per use case (including the use cases in the previous version of the project). Every test case must be documented in the code using the following information: a) requirements tested; b) in the case of negative tests, the business rule that is intended to be broken; c) analysis of sentence coverage; d) analysis of data coverage.
- Item 4. A performance test suite that fulfils the following requirements: a) There must be at least one jMeter test case per use case (including the use cases in the previous version of the project); b) There must be a report in which you analyse the maximum performance of your system; include must include screenshots where appropriate.
- Item 5. Produce an acceptance test suite and document it by means of the following reports: a) “My-Project-Tests.pdf”, which describes the acceptance tests regarding your project and the results that your partner group produced. b) “My-Project-Bugs.pdf”, which describes the intentional bugs that you injected in the project that you released to your partner group and their results. c) “My-Partners-Tests.pdf”, which describes the acceptance tests regarding your partner group’s project and the results that you produced. d) “My-Partners-Bugs.pdf”, which describes the intentional bugs that your partner group injected in the project that they released to you and your results. Please, note that the suite must cover the requirements in Acme Rookies and the previous version of the project.
- Item 6. A script to create the corresponding database in the pre-production environment and a war artefact that implements your project. The war artefact must be deployable and runnable on domain “www.acme.com”.
- Item 7. A deployment to Clever Cloud ready to be used. Don’t forget to include a readme file with the URL to check your project and the administration URL (including your credentials).

**NOTE:** please, recall that it’s mandatory that you project complies with the EU GDPR, except for the obligation to hire a data officer. Please, consult the evaluation procedure for further details.

## Requirements for level A+

- Item 8. We are very close to the end. It’s important that you start working on topics that are not purely technical, but help you make decisions regarding your future as a professional Software Engineer. To earn you A+, you must produce the following items (one per member of your group):

- a. A 1 000-word report in which you document the companies in which you would like to work, the kind of projects in which they are currently involved, and the technologies that they are using (or that you guess they are using).
- b. A description of the steps that you're going to take so that you can earn a position in any of those companies. Note that the steps may involve learning a technology, getting familiar with a methodology, working on your grade project in co-operation with one of those companies, and the like.