

# D05 – Hackathon Requirements

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## Requirements for levels C, B, and A

- Item 1. A statement that describes the requirements of your project. Please, don't split it into several levels; decide on the level you wish to achieve and write your statement regarding that level only.
- Item 2. 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 3. A conceptual model and a UML domain model regarding your project.
- Item 4. An Eclipse/Maven project that fulfils the requirements in your project.
- Item 5. A functional test suite that fulfils the following requirements: a) you must select a use case that involves a listing and an edition requirement; for that use case, you must implement at least 10 test cases that provide a good enough coverage of the statements and the parameter boundaries in your code. b) For the remaining use cases, you must implement at least one positive test case and two negative test cases. Every test case must be properly documented. Please, copy the functional requirement(s) that they are intended to test as a comment at the beginning of your test cases; add a short remark regarding what each test case is intended to test.
- Item 6. A performance test suite that fulfils the following requirements: a) There must be at least one jMeter test case per use case; b) There must be a report in which you analyse what the maximum performance of your system is. The report must include screenshots where appropriate.
- Item 7. Produce an acceptance test suite and document it with the following reports: a) "My-Project-Tests.pdf", which describes the acceptance tests regarding your project and the results that your partner group got. 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 got. 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.
- Item 8. 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".

## Requirements for level A+

- Item 9. A statement that describes your A+.
- Item 10. A report that describes your solution to your A+.
- Item 11. A version of your project that implements your A+.
- Item 12. A document with feedback regarding D&T. The document's not expected to be very long. It suffices to provide a listing of things that you think are good and things that your think are bad. Please, provide enough details to justify the reason why something's good or bad and don't forget to list a few ideas to improve. Thanks!