

D09 – Functional testing Requirements

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 for project “Acme Rendezvous 2.0”.
- Item 3. An Eclipse/Maven project that fulfils the requirements in project “Acme Rendezvous 2.0”. The project must include 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 your code and your data. b) For the remaining use cases, you must implement at least one positive test case and one negative test case. 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, e.g., breaking a particular validation constraint or business rule.
- Item 4. 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 5. Testing services and repositories from a functional point of view is relatively easy with the theory that we provide in this lesson. Unfortunately, testing controllers and views is not easy at all. Currently, there are a number of frameworks available to test controllers, or, more generally, servlets.
 - a. Choose the servlet testing framework that you prefer, learn to use it, and deliver a version of your project in which you include at least one test case regarding one of your controllers.
 - b. Write a report in which you explain what the lecturers have to do to check your A+. Please, report on the testing framework that you’ve chosen and comment on the test case that you’ve implemented. The report’s expected to be 1 000-word long; illustrations are strongly recommended.