

# D&T1 – Control check (#1)

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Surname, name

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Signature

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ID number

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Place, date

[ ] I haven't asked any questions about this document. I've interpreted it, and I've produced an answer to the items I've been requested to produce.

[ ] I've read and understood the announcement that was published at the USE's e-learning platform, where the lecturers reported on the co-ordinates, the rules, the contents, and provided some pieces of advice regarding this control check.

[ ] I'm the legitimate author of the items that I'm delivering.







[ ] I haven't exchanged any information with other people regarding this control check.

## Request for maintenance

Acme Rookies, Inc. sent us the following request for maintenance regarding their project:

- An XXX may have zero or more XXXXs, which are created by the corresponding XXXX. A XXXX is kind of a remark in which a XXXX clarifies something regarding one of their XXXXs. For every XXXX the system must store a ticker, a publication moment, a body, and an optional picture. The ticker must match the following pattern "XXXX", where "yy", "mm", and "dd" refers to the year, month, and day when the XXXX is created, the body must not be longer than 100 characters, but not blank, and the picture must be provided as a URL on an external system. A XXXX may save a XXXX in draft mode; it'll be published when it is saved in final mode. XXXX can list, display, edit, modify and/or delete XXXXs at will; modification and deletion is allowed in draft mode only. XXXXs can list the XXXXs of their XXXXs.
- Wherever an XXXX is shown to an actor, the system must display its corresponding XXXXs using the following colours: Indigo if they are less than one month old, DarkSlateGrey if they are less than two month old but at least one month old, and PapayaWhip in other cases. Their publication moments must be internationalised as follows: "dd-mm-yy hh:mm" in Spanish and "yy/mm/dd hh:mm" in English.

## Requested items

- Item 1. Comments: 
- a. A README.TXT file in which you comment on your doubts and the decisions that you've made. Please, keep this item empty unless it's strictly necessary.
- Item 2. Models (UML in PDF):
- a. An updated conceptual model. 
  - b. An updated domain model.
- Item 3. Project (Eclipse/Maven project):
- a. Update the previous version of the project in order to comply with the new requirements. Include a "PopulateDatabase.xml" file that populates the database with at least two XXXXs written by "XXXX/XXXX" and two additional ones written by "XXXX/XXXX". Their titles must include word "TEST"; one of them must be less than one month old; another must be approximately one and a half month old, and the others must be more than two month old. 
- Item 4. Testing (JUnit, JMeter) 
- a. Include one positive test and one negative test regarding creating a XXXX.
  - b. Include one performance test in which a XXXX authenticates, lists their XXXX, displays one of them, lists its XXXX, and creates a XXXX.
- Item 5. Pre-production deployment: 
- a. A SQL script to deploy the database to the pre-production environment.
  - b. A WAR artefact ready to be deployed to the pre-production environment.
- Item 6. Production deployment:
- a. A deployment to CleverCloud. Please, make sure that you start your application and keep it running until the results of this control check are published. Your deployment must not be modified after you finish your control check. 
  - b. A document with the following information: URL of your system in CleverCloud and the credentials to access its management console. The lecturers will check that the system was deployed to CleverCloud within the deadline.

## Delivery instructions

Please, upload a zip file with the requested items to the USE's e-learning platform. Please, make sure that your zip file is named after the following pattern: "Surnames-Names-1.zip", where "Surnames" refers to your surname/s, "Names" refers to your name/s, and "1" is your unique control check key. Make sure that you submit your Eclipse/Maven project, not your Eclipse workspace.