

Acme Barter 2.0

Acme Barter, Inc. is requesting maintenance regarding the previous version of their project. This document provides an informal description of their new requirements; ask your lecturers for clarifications and details.

C-level requirements

Information requirements

1. The system must support a complaint book regarding both barterers and matches.

Functional requirements

2. An actor who is not authenticated must be able to:
 1. Display the complaints that are associated with a barter or a match.
3. An actor who is authenticated as a user must be able to:
 1. Create one or more complaints regarding a barter.
 2. Create one or more complaints regarding a match in which he or she's involved.
4. An actor who is authenticated as an administrator must be able to:
 1. Close a barter or a match so that no more complaints can be created regarding it.
The system must record the administrator who closed a barter.
 2. Display a dashboard with the following information:
 - The total number of complaints that have been created.
 - The average number of complaints per barter.
 - The average number of complaints per match.
 - The users who have created more complaints than the average.

Additional requirements

5. The priority in the message system has proven not to be very useful. There are many users who are confused with this feature. Every trace regarding message priorities should be removed from this version of the project.

B-level requirements

Information requirements

1. The system must support autoreplies that allow the actors to answer messages automatically. An autoreply includes a list of key words and a piece of text that must be used to answer the messages that contain all of the key words.

Functional requirements

2. An actor who is authenticated must be able to:
 1. Manage his or her autoreplies.

Non-functional requirements

3. When a message gets to the “in box” of a user, the system must check if it can be auto-replied. A message can be auto-replied if it includes all of the key words that the user has defined in an auto-reply; in such cases, the system answers the message automatically using the text that the user has configured. Such answers must prepend the subject with “AUTO-REPLY -- ” and must be stored automatically in the “auto-reply box” of the corresponding user.

Additional requirements

4. The system must support a new kind of pre-defined message folder called “auto-reply box”. That folder must store the messages that the system generates automatically using the auto-reply configuration.

A-level requirements

Information requirements

1. Items can be described by means of attributes. Each attribute must have a name and a value. Examples of attributes include “weight”, “colour”, “dimensions”, “status”, and the like.

Functional requirements

2. A user who is authenticated as a user must be able to:
 1. Select the attributes that best describe an item that he or she is including in a barter and provide values.
3. A user who is authenticated as an administrator must be able to:
 1. Manage the catalogue of attributes that the user can use. An attribute may be deleted even in cases in which it is currently used by an item.