

# Acme Rendezvous 2.0

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Acme Rendezvous, Inc. has contacted us to request some maintenance to 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. There's a new kind of actor in the system: managers, who have a VAT number that is a string of letters, numbers, and dashes.
2. Managers manage services, for which the system must store a name, a description, and an optional picture.

### Functional requirements

3. An actor who is not authenticated must be able to:
  1. Register to the system as a manager.
4. An actor who is authenticated as a user must be able to:
  2. List the services that are available in the system.
  3. Request a service for one of the rendezvouses that he or she's created. He or she must specify a valid credit card in every request for a service. Optionally, he or she can provide some comments in the request.
5. An actor who is registered as a manager must be able to:
  1. List the services that are available in the system.
  2. Manage his or her services, which includes listing them, creating them, updating them, and deleting them as long as they are not required by any rendezvouses.
6. An actor who is authenticated as an administrator must be able to:
  1. Cancel a service that he or she finds inappropriate. Such services cannot be requested for any rendezvous. They must be flagged appropriately when listed.
  2. Display a dashboard with the following information:
    - The best-selling services.
    - The managers who provide more services than the average.
    - The managers who have got more services cancelled.

### Non-functional requirements

7. Pictures are not requested to be stored by the system, but their URLs to storage services like Flickr.com or Pinterest.com.
8. The system should fill credit card forms automatically when a user requests a service. It must use the data last entered by a user. Storing that information in a cookie is recommended. (Please, recall that the Spanish Transpositions Law requires every information system to inform its users about the cookies that it uses.)

## B-level requirements

### Information requirements

9. Services belong to categories, which may be organised into arbitrary hierarchies. A category is characterised by a name and a description.

### Functional requirements

10. An actor who is not authenticated must be able to:
  1. List the rendezvouses in the system grouped by category.
11. An actor who is authenticated as an administrator must be able to:
  1. Manage the categories of services, which includes listing, creating, updating, deleting, and re-organising them in the category hierarchies.
  1. Display a dashboard with the following information:
    - The average number of categories per rendezvous.
    - The average ratio of services in each category.
    - The average, the minimum, the maximum, and the standard deviation of services requested per rendezvous.
    - The top-selling services.

## A-level requirements

### Information requirements

Intentionally blank.

### Functional requirements

Intentionally blank

### Non-functional requirements

12. Acme Rendezvous, Inc. is franchising their business. They require the following data to customise their system for particular franchisees: the name of the business, a banner, and a welcome message (which must be available in the languages in which the system's available). This information must be displayed appropriately in the header of the pages and the welcome page. Administrators must be allowed to change the previous data at runtime.
13. The system must be ready to be deployed to a pilot franchisee with the following data:
  1. Name of business = "Adventure meetups"
  2. Banner = "https://tinyurl.com/adventure-meetup",
  3. English welcome message = "Your place to organise your adventure meetups!"
  4. Spanish welcome message = "Tu sitio para organizar quedadas de aventura".