ABSTRACT

This project aims to extend the functionality of the "Fair and Responsible" (jyr) app. In this project have been created on the one hand 6 modules of administration for the Web application: statistics, password recovery, mailing system, general configuration, event management system and automated newsletters; and moreover add three new features to the app: Scan bar codes to get more information about products, viewing events and sharing content on social networks.

With regard to the area of administration, the State Coordinator of Fair Trade finds it necessary to obtain the maximum possible information from the data handled by the application. The statistics module is the most useful because it allows using different techniques to analyze information, and describes it graphically to obtain conclusions with commercial purpose.

On the other side are the modules for event management and automated newsletters that are responsible for giving to the administrator complete control over what happens within the application, new businesses, products, events, etc., thereby facilitating supervisory work to collect all events within a notifications area. Regarding the bulletin system, it is a summary of the most important events and other statistical data, which are sent automatically by email to the administrator.

The other new features such as password recovery used to retrieve the logging credentials, or by mailing system receive notifications about the different events as new comments, new events, etc. Likewise, the administrator can modify settings as managing general importers, product categories or types of establishments.

Finally, a new functionality is being added to the application allowing users to use the camera as bar code scanner on products distributed by the CECJ. This module implements a series of image processing libraries to decode the bar code and use it to show information about the origin of the product, image, category or description.

This report will describe the specific objectives of the project, as well as the tools and technologies used, to explain the importance of the project and techniques that comprise the application capabilities.

The developed application is accessible through the following links:

- Application consumers: http://www3.ubu.es/justoyresponsable
- Application establishments: http://www3.ubu.es/justoyresponsable/gestion