

CMS for publication of museum guide applications

Version 01 (version 5.0)

ventour

We have developed our own CMS Content Management System, named Ventour. This important tool is present in all our projects.

Its based in non proprietary technology or frameworks: PHP 5, Javascript and MySQL on the Back End Side. There is an hybrid app skeleton (native + HTML5) that interacts with Ventour, third party services and supports all the UI personalization with Angular – Ionic 2 (Cordova).

CMS Ventour is accesible online, this feature enables the management of the content generated within the visit guide, thus, inserting new contents (descriptions, animations, interviews, etc.), inserting new objects, designing themed routes, planning activities, content modifications as well as languages and accessibility features amongst other functionalities.

To demonstrate GVAM's competence in managing associated deliveries related to digital content, infrastructure and equipment we would like to draw attention to projects at 4a section.

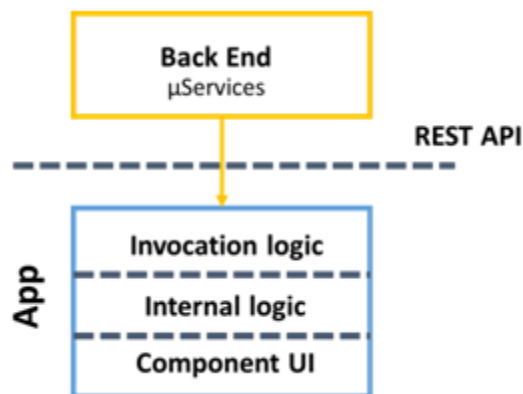
Version 02 (version 6.0)

GVAM app building systems and back end architecture are perfectly suitable to meet most of the requirements given by BM for this project. We suggest building the solution based on BM's requirements with some recommended development and adaptation that will allow BM to take full advantage of GVAM's features that we provide as default and that have been proven to support millions of user per year.

The Ventour CMS is made using Symfony as a Model-View Controller PHP framework to manage the app content, and uses its own MySQL Database (DB) in order to store content. It is hosted in Azure Cloud. There is a possibility to build an

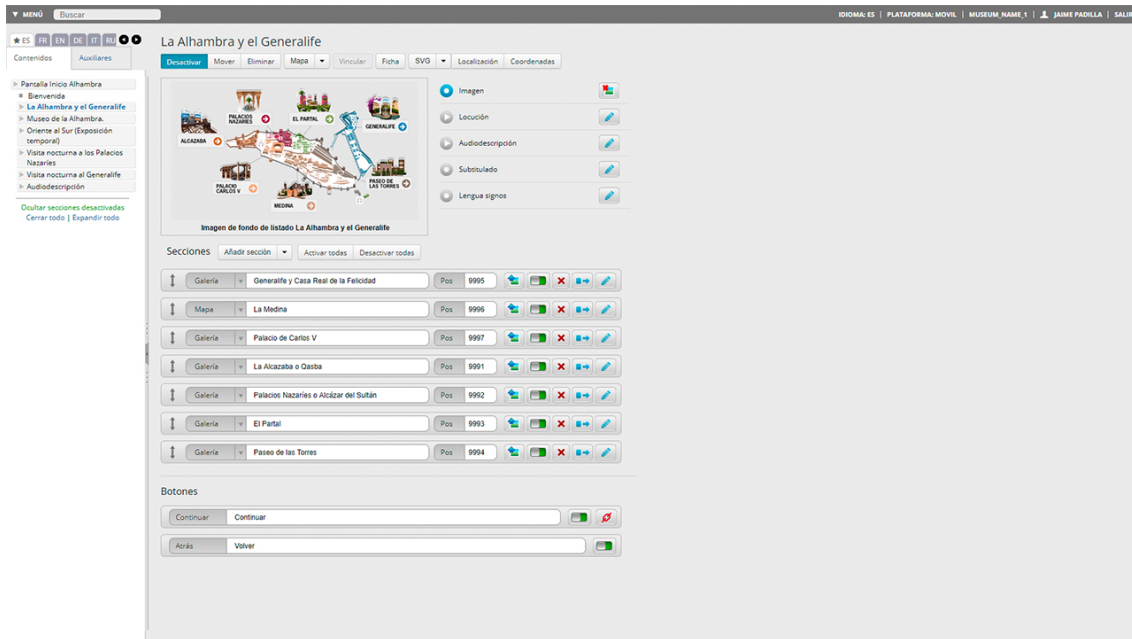
interconnection gateway to BM Content Distribution Network in case it's made using a more complex structure or has a semantic architecture upon its own ontologies (using SparQL for example).

Generated mobile Apps are based on Apache Cordova and Angular 2 technologies. These apps are based in an Android /IOS app skeleton with a services internal logic support. The App Skeleton UI architecture integrates the Look and Feel, the App internal Logic and Services invocation. The motivation for this design comes from the need of flexibility in a heterogeneous environment of technologies, purposes and cost-benefit analysis.

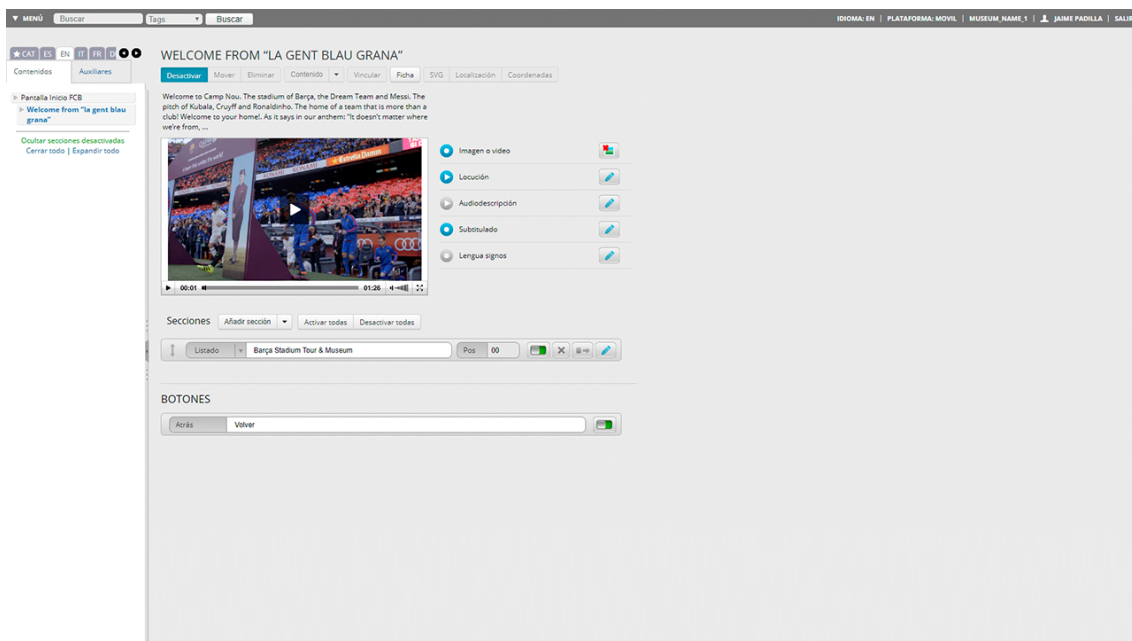


The user of Ventour can design a sections tree, manage application languages, select the template in which to adapt every piece of content, change colours, fonts and other visual elements, preview the final aspect, as well as prepare the app components to be rendered for the final users' mobile phones or other final user devices.

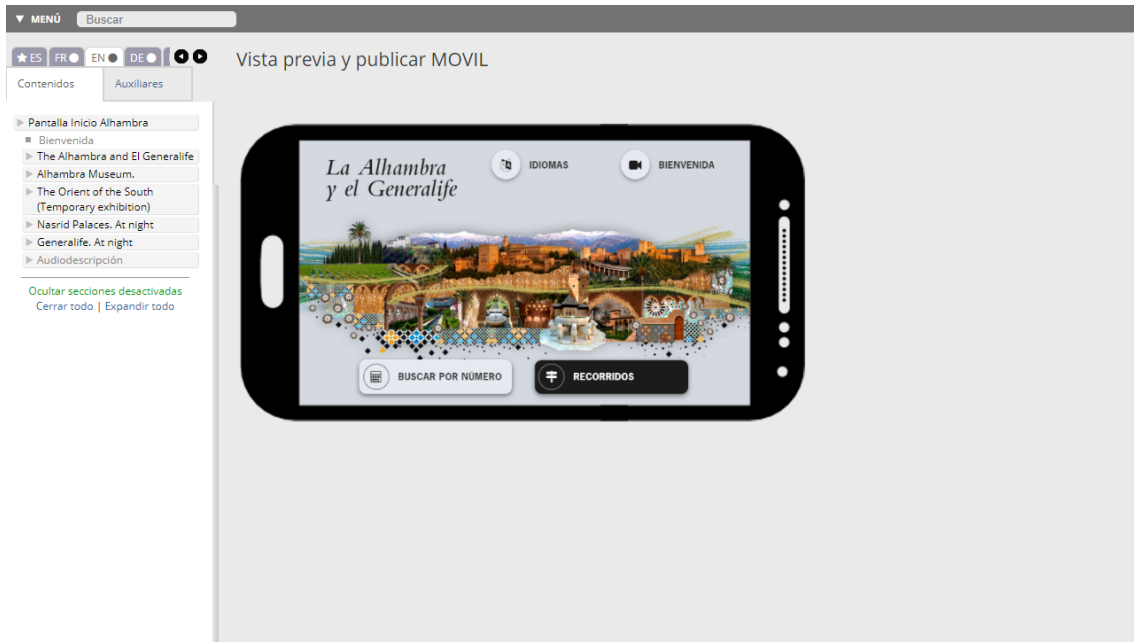
Ventour has its own generic API REST and other specific elements to connect to external services: Azure ecosystem, third party or even GVAM own such as Positioning and mapping, GStats big/smart data capturing, Recrea 3D reconstructor (photogrammetry), GSchool educational configurator, MyVisit digital memory system, Security and prevention solutions, TTS engine (Azure service), etc.



Editing the museum map



Editing video of the museum



Application preview