



Universidad  
Carlos III de Madrid

# USER INTERFACES

## Case Study: Campus Global

Héctor Otero Mediero NIA: 100316516  
Daniel Medina García NIA: 100316850  
Diego Vicente Martín NIA: 100317150  
Alejandro Rodríguez Salamanca NIA: 100315874

December 8, 2015

# Contents

<b>1</b>	<b>Main objective of the system to design</b>	<b>3</b>
<b>2</b>	<b>End users of the system</b>	<b>3</b>
<b>3</b>	<b>Analysis and evaluation of the initial website</b>	<b>3</b>
3.1	Login page . . . . .	3
3.2	Homepage . . . . .	4
3.3	Student's average mark query . . . . .	6
3.4	Search result page . . . . .	8
3.5	Average mark page . . . . .	9
<b>4</b>	<b>Description and justification of the prototypes</b>	<b>10</b>
4.1	Introduction . . . . .	10
4.2	Login page . . . . .	10
4.3	Homepage . . . . .	11
4.4	Search result page . . . . .	12
4.5	Grades page . . . . .	13
<b>5</b>	<b>Implementation of the web system</b>	<b>13</b>
<b>6</b>	<b>Conclusions and final remarks</b>	<b>17</b>

# 1 Main objective of the system to design

In this case study we will analyze, redesign and implement is **Campus Global**. The reason we chose it over the other option, the *Renfe* website, is that we use Campus Global on a normal basis and its design stands out, in a bad sense, as different from the pages that belong to the same entity and that link to it. In addition to this, it will make our analysis different due to its uniqueness.

Campus Global is the website, only accessible to university students and teachers, that allows you to check your official score reports, exam dates and all the processes you have opened with the university. It also shows you information about current events that might interest you. The problem that will be analyzed throughout this report is that this great idea of having all your official information in one site has a poor execution which is highlighted by the good design of other university pages that link to it. Furthermore, the site doesn't offer any facility in terms of navigating through it which we'll be able to see in the analysis of the process of looking up your average mark in Campus Global.

## 2 End users of the system

Campus Global is accessed by the students and majority of the personnel of the university. This implies the end user is with a high likelihood an individual with a relatively high level of computer and navigation expertise. Nonetheless, the tasks a end user performs in this website don't entail any complex activity. In most cases, the user will use Campus Global only to read official information, therefore it should be pretty straight-forward how to do so. As we will see, this is not true and the user will need clairvoyance in order to find the information needed.

## 3 Analysis and evaluation of the initial website

### 3.1 Login page



The first fact that strikes the user is that even if you're coming from a English-configured webpage or have your browser preferences set to English, the login page will **only be displayed in Spanish**. No option appears in the page either with regard to changing this setting, nor the Ayuda link will help you with understanding this page. Thus, the text displayed above and below the fields won't be understandable for every not-spanish-speaking user that sees the page. This behavior will continue for every page in Campus Global.

Leaving behind the language, we find a page whose **content display and aesthetic are poor**. Firstly, we find a low resolution university logo. In most displays nowadays, this logo will be contemplated as pixelated which seems to be a prolepsis of how the content will be displayed inside the site. Below this logo, we find the fields for the username and password. Its left-alignment added up to the selection of colors used in the page, gives it a feeling of emptiness. Furthermore we find the login button (with a default design) to the right of this fields, rather than below which would be the

expected. This completes the overall sensation that this page wasn't designed and implemented with a lot of care.

## 3.2 Homepage



Once we login, we see the following homepage. We find again an easily analyzable poor design. The **header and footer** of the page get **all the user attention** since they have a flashy orange background that doesn't fit with any of the other pages or style of the current page. The central content isn't aligned with the header or footer which signals a rather careless implementation of the page.

The organization of the components in the row below the header is strange for the nowadays user as, usually, the login information is on the upper right corner, rather than on the left one. The position of the search bar is the correct one, but once again there's **no alignment** with the button of search (whose appearance could be improved also). On the right of the search bar, we found the links to other pages (Biblioteca, Directorio, Incidencias, Opina and Ayuda) which are located in a strange position, as one may think they are categories on these page rather than links to other pages.

On the left side of the pages, we find a menu with what seems to be categories and subcategories inside the page. The names chosen for each section are in the most part ambiguous and we can find repeated information or links that lead to unnecessary navigation, which points out the **little efficiency of use** of the website. But what makes the menu worse is the inconsistency, as more than half of the sections will drive you out of Campus Global. The other ones are the real categories and subcategories. Some of them are simply **empty pages** as we can see in the example below, **without a single useful error message** about what the problem is at all.

## Noticias Antiguos Alumnos

A\* A~

Versión para imprimir

Versión para imprimir

As a last element of the menu we find “**Mis aplicaciones frecuentes**” this is a good choice of design as it offers shortcuts to frequent users, but the placement is not the best for providing a rapid access.

To the right of the menu we find two columns, one under the name of “Avisos”. Its design consists of a list of events. Below each event we find a undescriptive text and a date. This date, rather than being the date when the event will take place, is the date when the event was updated which leads to confusion.

On the far right side 5 distinct areas. We will simply pose the following questions about each one. **Emergencias**, what’s the difference between this and the top right link *Incidencias*? **Comunicación institucional**, isn’t this information on the link of the bottom? (*Información y contacto*). **Importante para Estudiantes**, so *Avisos* aren’t important? **Te Interesa**, what’s the difference between *Importante para Estudiantes*, *Avisos* and this, and what’s supposed to interest me. **Agenda**, are there only two events in the upcoming days?



While navigating the website, we will sometimes, as shown above as a result of clicking the Servicios category, find a “Edit” button on the upper left corner that will allow us to change the view from “Graphical” to “List”. As we can see below the results are horrific and we doubt this is supposed to be enabled.

Select	Display Name	Size	Type	Date Updated	Author	Status	Version	Description
<input type="checkbox"/>	Alojamiento		Enlace interno	19-NOV-2008 10:53 AM		Active	7	
<input type="checkbox"/>	Asociaciones		Enlace interno	19-OCT-2012 01:47 PM		Active	2	
<input type="checkbox"/>	Ayudas y Becas		Enlace interno	19-JUN-2013 01:22 PM		Active	1	
<input type="checkbox"/>	Cultura		Enlace interno	14-NOV-2008 02:51 PM		Active	2	
<input type="checkbox"/>	Deporte		Enlace interno	11-NOV-2008 01:29 PM		Active	2	
<input type="checkbox"/>	Empleo y prácticas (SOPP)		Enlace interno	01-SEP-2008 01:22 PM		Active	2	
<input type="checkbox"/>	Informática y comunicaciones		Enlace interno	13-NOV-2007 08:56 AM		Active	1	
<input type="checkbox"/>	Orientación psicológica y psic...		Enlace interno	19-JUN-2013 01:23 PM		Active	1	
<input type="checkbox"/>	Orientación psicológica y psic...		Enlace interno	28-OCT-2009 04:31 PM		Active	5	
<input type="checkbox"/>	Prevención de riesgos laborales		Enlace interno	11-MAR-2008 02:25 PM		Active	2	
<input type="checkbox"/>	Programa Compañeros		Enlace interno	19-OCT-2012 01:49 PM		Active	3	
<input type="checkbox"/>	Puntos de contacto para casos ...		Enlace interno	21-DEC-2007 01:49 PM		Active	1	
<input type="checkbox"/>	Puntos de Información Campus (...)		Enlace interno	26-OCT-2007 05:48 PM		Active	3	
<input type="checkbox"/>	Seguro escolar		Enlace interno	24-APR-2009 02:09 PM		Active	1	
<input type="checkbox"/>	Servicios complementarios		Enlace interno	01-SEP-2008 01:22 PM		Active	8	
<input type="checkbox"/>	(<None>)		Última actualización	07-NOV-2007 10:14 AM		Active	1	

### 3.3 Student's average mark query

There are two ways we could approach this query: One would be scattering through the categories section. First we would go to “Estudiantes”, then to “Información Personal” followed by “Expediente, notas provisionales, nota media” which would lead out of Campus Global (Is there any information stored in this place?!), then we would click on “Consulta de la nota media” which would take us to the next page where the **most important link of the page**, and the one we’re looking for, is placed where you would least expect it, **hidden in the right margin**. That makes it a total of 5 pages visited (and 3 different domains) in order to obtain one of the most important things Campus Global offers. No efficiency at all.

**Inicio** [Back](#)

**Estudiantes**

Aula Global

Encuestas

Información personal

Secretaría virtual

Internacional

Otros recursos docentes

Servicios

Noticias Antiguos Alumnos

Grupos de trabajo

Zona Pública

Mis aplicaciones frecuentes

## Información personal

[A+](#) [A-](#) | [Versión para imprimir](#)

La secretaría virtual ha cambiado de sitio. Ahora podrás encontrarla como una asignatura más dentro de tu **Aula Global** con información sobre:

- Expediente, notas provisionales, nota media
- Estadísticas de notas
- Pasaporte de idiomas
- Horarios
- Calendario de exámenes

- Mis Encuestas
- Clave personal de 4 dígitos
- Carnet de Familia Numerosa
- Datos personales: utilización y derechos
- Solicitud de certificación académica

[Versión para imprimir](#)

Universidad Carlos III de Madrid | Campus Global [EN](#)

SECRETARÍA VIRTUAL

En la UC3M / Personas [Buscar](#)

## NOTAS Y EXPEDIENTE

Secretaría Virtual > Notas y expediente

**Notas y expediente**

- Consulta de expediente y notas provisionales
- Estadísticas de notas
- Consulta de la nota media
- Pasaporte de idiomas

[Compartir](#)

[Contacta](#)

© Universidad Carlos III de Madrid

UC3M

Universidad Carlos III de Madrid

SECRETARÍA VIRTUAL

Campus Global  

En la UC3M / Personas

## CONSULTA DE LA NOTA MEDIA

Secretaría Virtual > Notas y expediente > Consulta de la nota media

En este enlace podrás consultar tus notas medias:

- > Nota media del expediente (sobre 10), de acuerdo con el RD 1125/2003
- > Nota media ponderada (sobre 10), para procesos internos UC3M
- > Nota media (sobre 4), utilizada en determinados procesos

Más información sobre los recálculos de la nota media

IMPORTANTE: Los alumnos titulados sólo podrán consultar su nota media si han finalizado sus estudios con posterioridad al año 2006.

- > Consulta aquí tu nota media
- > Normativa de regulación
- > Recálculo de nota media

 Compartir

Contacta

© Universidad Carlos III de Madrid

UC3M

The first way would be used if you manage to follow correctly all the links, which, unless you are used to it, is near impossible. So, you would have another option: looking up “Average mark” on the search bar (you actually need to look up “Nota media” as the site is in Spanish). Let’s analyse the steps you have to follow in order to get there.

### 3.4 Search result page

When we search “Nota media”, after waiting for a longer time than you would expect, the results found are divided in two sections: The results themselves, where we see a first link saying “Consulta de la nota media”, which is self-descriptive (and that will be the chosen) and two others with the same title that lead to different places and which by the title the user wouldn’t have any idea of what’s behind those links. Related content. This idea is great, as if you were looking for example for the criteria of a certain subject or your exams date or schedule, you could be prompted with the official PDF with the information right below your search. Unfortunately, this is not what happens. The related content to the user’s average mark seems to be some files related to the Telecommunications major from 2001 and 2004.

The screenshot shows the search results page for the query "Nota media". The header includes the university logo and "Campus global" branding. A search bar at the top left shows the query. Below the search bar, there's a navigation menu with options like "Inicio", "Estudiantes", "Grupos de trabajo", "Zona Pública", and "Mis aplicaciones frecuentes". The main content area is titled "Resultado de la Búsqueda" and shows "Pages 1 - 3 of 3". The first result is "Consulta de la nota media". Below this, there are two more results with the same title: "Recálculo de nota media de expediente". Further down, there's a section titled "Contenido relacionado" which lists two documents: "Autoevaluación" (Page: Ingeniería de Telecomunicación (EV 2001)) and "Informe Autoevaluación" (Page: Derecho Social e Internacional Privado (EV 2004)).

When we click “Consulta de la nota media”, we’re taken to another page (different from any page visited during the first process) where we have to click a link on the right margin to get to the Grades page. Again this shows a very bad choice of placement of important information for the user.

The screenshot shows the "Consulta de la nota media" page. The header is the same as the previous page. The main content area is titled "Consulta de la nota media" and includes a "Back" link. Below the title, there's a section titled "En este enlace podrás consultar tus notas medias:" which lists three items: "Nota media del expediente (sobre 10), de acuerdo con el RD 1125/2003", "Nota media ponderada (sobre 10), para procesos internos UC3M", and "Nota media (sobre 4), utilizada en determinados procesos". To the right of this list, there's a sidebar with links to "Consulta de la nota media", "Normativa de regulación de la nota media", and "Fechas de recálculo de nota media de expediente". At the bottom of the page, there's a footer with the university logo and "Información y contacto".



### 3.5 Average mark page

Once we finally arrive to the Average Mark page, we see a page that doesn't have the most aesthetic and minimalist design, but which shows the information we're looking for with detail, explaining what each mark means. This page repeats some of the errors we've pointed out in previous pages (alignment of the content, style consistency...) and adds a new one. We find in the top right corner a "Power button" which we may think makes you logout of the page and takes you back to Campus Global or to uc3m.es. Well that is not correct, it simply removes the information related to the average mark. Clicking this button again will make the information appear again.


**Consulta de nota media**

Expediente: Grado en Ingeniería Informática (Plan 2011)

<b>Nombre</b>	OTERO MEDIERO, HECTOR		
<b>DNI/Pasaporte</b>	47552941G		
<b>Estudios</b>	Grado en Ingeniería Informática (Plan 2011), Escuela Politécnica Superior. (Leganés)		
<b>Año 1ª matrícula</b>	2013	<b>Año ult. matrícula</b>	2015
		<b>Última Actualización</b>	15 de septiembre de 2015, a las 23:02:08

Tipo de nota media	NOTA	Fórmula de cálculo	Finalidad
⊗ MEDIA NUMÉRICA PONDERADA DE TODAS LAS ASIGNATURAS CALIFICADAS	<b>8.9</b>	$\frac{\sum (CN_i \cdot R_i \cdot CD_i)}{\sum R_i}$	Únicamente tiene efectos internos. Es la nota que se va a utilizar para determinar el orden de preferencia en los procesos de asignación de optativas, humanidades, becas Erasmus, becas de Idiomas, prácticas extracurriculares en UC3M, etc.  En el expediente final se tendrá en cuenta la convocatoria en la que se superaron las asignaturas para la concesión de premios fin de estudios.
⊗ MEDIA NUMÉRICA SIN PONDERAR DE LAS ASIGNATURAS SUPERADAS.	<b>8.9</b>	$\frac{\sum (CNS_i \cdot RS_i)}{\sum RS_i}$	Se incluirá en los certificados académicos
⊗ MEDIA DE 0 A 4 SIN PONDERAR DE TODAS LAS ASIGNATURAS CALIFICADAS	<b>3.28</b>	$\frac{\sum (CA_i \cdot R_i)}{\sum R_i}$	Se utiliza en algunos procesos de becas del Ministerio, accesos a estudios de segundo ciclo, etc. Se utiliza también en el SET de acuerdo con su normativa reguladora.

**ALGORITMO DE CÁLCULO**

CN <sub>i</sub>	Calificación numérica de la asignatura	CA <sub>i</sub>	Calificación de 0 a 4
R <sub>i</sub>	Créditos de la asignatura	CNS <sub>i</sub>	Calificación numérica de asignatura superada
CD <sub>i</sub>	Coefficiente de ponderación	RS <sub>i</sub>	Créditos de asignatura superada


**Consulta de nota media**

Consulta de nota media

© Universidad Carlos III de Madrid

## 4 Description and justification of the prototypes

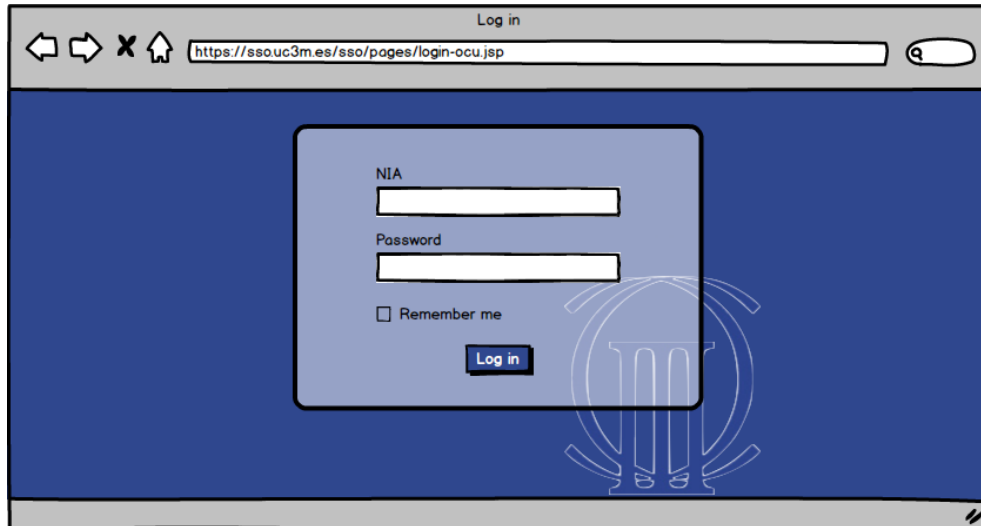
### 4.1 Introduction

Following the integration within the overall aesthetics of the university's site, we've come up with a new design that addresses the aforementioned problems backing up our decisions with the so-called web design patterns defined by Van Duyne. The different patterns will be referenced by the capital letter and number assigned in Van Duyne's guide. We'll proceed now to explain our design decisions when designing the new page in the same order we've analysed in the previous section.

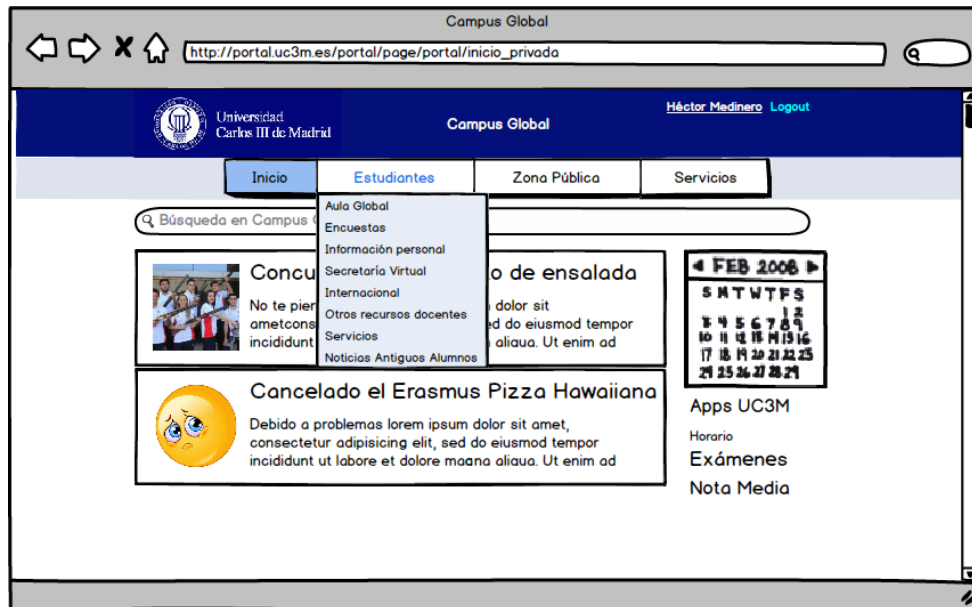
As an overall analysis of the new design, we can see how the content has been adjusted to a grid **(I1)** solving the problems of the alignment in the previous design. We've adjusted the content depending on the width of the screen as it previously gave an impression of emptiness most of the time **(I4)**. Content-wise the page has been designed consistently, this is, all the pages in the site follow a similar design having the header, footer and menus in every one of them. We've also tried to adapt the content organization so the attention is directed where we intend to **(I3)** and to display meaningful error messages rather than the usual "Page not found" displayed in the previous design **(K13)**.

### 4.2 Login page

To start with, we have placed both input boxes in the centre of the page, with bigger, clearer labels, in a much more intuitive and fast-to-find architecture. We've also introduced the tonalities of blue from uc3m.es so the user keeps feeling the site belongs to the university space, as well as some background image from the university buildings. In the functional part of the design, the login operation will be identified as a secure sign in in the site **(E3)**.



### 4.3 Homepage



The header contains the same image as uc3m.es site in the same colours and quality (giving the site style continuity to uc3m.es) (**D1**), adding the Campus Global label to follow, as we want to make clear what the site offers (**C2**). The UC3M logo will appear in several parts of each page apart from the header in every page of the site (**E1**). The user name as well as the Logout button are in a clearly identified division, on the right side of the window, where users are used to have their account-related information nowadays.

Secondly, a new horizontal menu, placed below the header image. (**K2**) The categories appearing will be different from those in the original left-side menu, as they were confusing and used ambiguous terms to define different categories. They'll be organized hierarchically (from more general topics, to concrete ones). Main ones, in separated boxes making the content easier to browse through. (**B2**, **B3**). In the Services category we will include all those leading to sites different from Campus Global (**K7**, **K8**, **K10**), so that similar actions lead to similar consequences for the user. Each of the boxes will show a list of the options in such section under it on hover (or on click), making visible for the user the list of subcategories available inside that category (**H6**). To the right of this menu we can find the Search Bar (**B1**), occupying the rest of the width of the section for higher visibility, whose results page will be addressed later on. It provides a predictive input with the previous searches made by the (**H11**). This whole row (menu and search) will be sticky, this is, it doesn't matter if we scroll past the header section, we will still have it on the top of the view and accessible for us.

Here is where we get to the main section, similar to a message board. This one shares content with the old one, whilst having little in common regarding the presentation. The first part is a slider, that show the articles from the preceding right sections "Important for students" and "May interest you" (**B7**). Following the slider, we will have the rest of the news with one card for each one. Each card will have a similar structure, a photo related to the topic, a clear headline explaining the topic and a description (**D3**).

Besides this principal card area, we've added a secondary section in the right. This one will display an intuitive calendar showing clearly the events from the former "Agenda" section. Underneath the calendar, we can find the new place we can find the explanation of the events that are set in the calendar in the current month.



Below this are, we have the footer. The information is displayed here includes the university name and a new “Language selection” option selection which we found necessary to add as, otherwise, foreign students may face difficulties when accessing their data (**D10**). We’ve put special focus in highlighting this information without breaking the minimalist style of the whole page. In addition to the language selection, there are some links on the footer of the page that will be constant across the whole site. They are the FAQ (**H7**), Accessibility, Contact and Legal information sections. (**E4**, **E5**)

We’ve got rid of the edit option as, in an intention of offering the user the possibility of making the content display differently (**H9**), that customization didn’t achieve any improvement in the website.

#### 4.4 Search result page

Our goal in the design of the search is to minimize the number of steps needed to retrieve the information the user is looking for. Giving the possibility of jumping from subcategories to direct results or simply looking up from the homepage (**J1**). The search results will be made much more accurate (**J3**) and possible in several languages. Since we thought it was idea having a direct link to the files that the user could be looking for, we’ve included this inside the results. Not all results have a file linked to them, but the ones who do have the most general one. For example, if you look up for Non-European Mobility, the pdf linked would be the basis. Remembering the processes done in the website analysis. Since the categories have been redesigned, we wouldn’t have that long and tiring navigation, and in a couple of clicks we would have the information required displayed. The search results are shown in the mockup made. They are quality and concrete results.



#### 4.5 Grades page

We've performed little design changes to this page, since the content was the one needed and the display was correctly organized. We've simply updated the look for a more modern one, adapting it to the one of the rest of the pages, as well as moving some of the information included to other pages that will include information related to the GPA.



### 5 Implementation of the web system

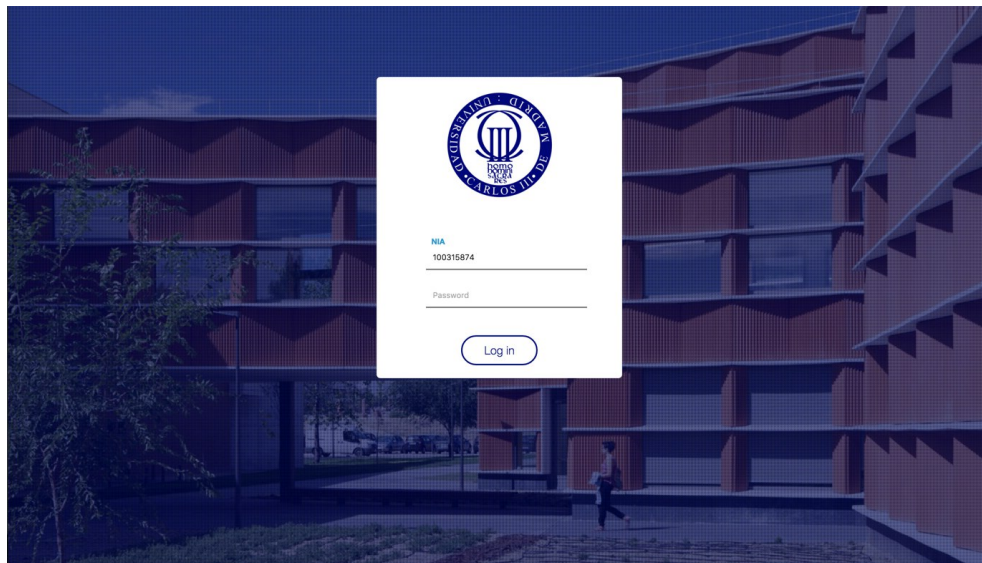
Before diving into the implementation, we'll comment on the tools we've used in order to develop the website in the easiest manner possible. We've had to divide the work and synchronize our efforts

in order not to step on top of someone else's work and put back the development of the project. To do so, we've used Git, an open source distributed version control system, that allows multiple people working on the same project, making sure everyone has the last version of the code as well as recording all the past versions of the code uploaded, so that in case there's a mistake we can go back to a working past version. That covers the part of synchronization, in terms of dividing the work we've used a branching model inside of Git (Gitflow Workflow) where each feature has its own branch and after a feature has been correctly implemented it's incorporated to the master branch, making it easier for every person in the group to progress faster and independently from the rest of the teammates.

For coding the stylesheets, we've used Sass, a scripting language that is interpreted into CSS that results in a better organization of the stylesheet, with the inclusion of nested code, as well as a more homogeneous code, with the definition of variables. Besides this, the syntax is really similar to CSS and doesn't suppose any cheat to have it easier.

The implementation itself has followed completely the mockups shown in the section before, since they were high-fidelity mockups. We'll proceed to explain how each part of the web has been developed, including the libraries and plugins used.

- **The Login Page:** as we have mentioned in the justification part of the document, the box that contains the form has been placed in the center of the screen. For the input fields, we have used a jQuery plugin that places the hint over the input once the user starts to write. This is useful to ensure that the user doesn't lose the context of the action they are doing. For the background to change with a fade in - fade out animation through the set of photos chosen, we've also used another jQuery plugin.

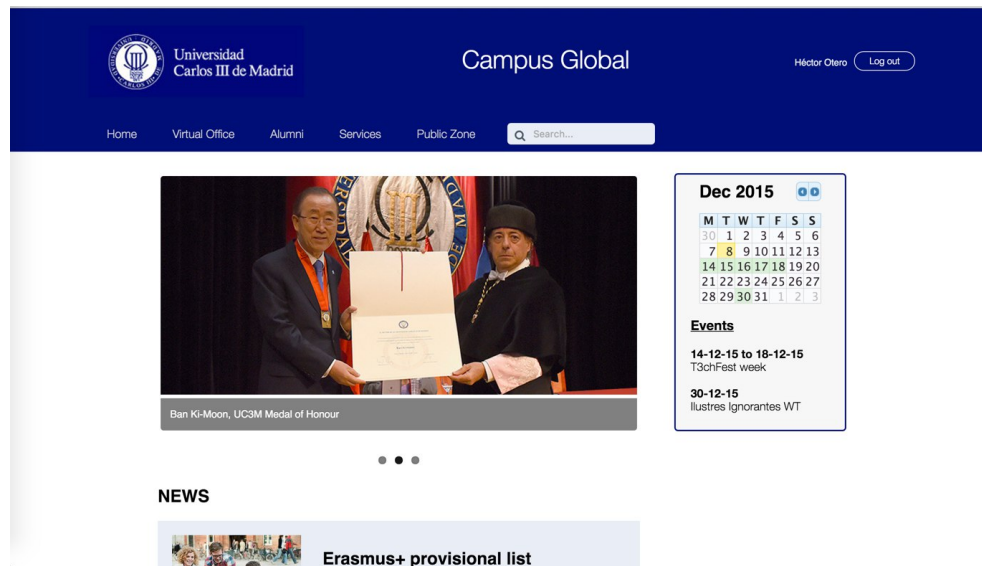


- **The header:** It's the first thing catching the user's eye. Hence, we wanted it to look pleasant to them whilst being functional enhancing the usability of the page. This first division consists of three simple items: a logo in the left, a Campus Global title in the middle and the username in the left, along with a logout button. In order to allocate the items in the header, we found flex displaying option (that will be used also for the footer) as the best way to do so. It offers the possibility to make a responsive implementation with nice-looking, light and understandable html and css codes, without making use of any overloading javascript.

- **The navigation menu:** it has been designed and developed taking in mind that it must be accessible easily from anywhere in the page. For this reason, we have used a JQuery plugin that provides a sticky functionality to the menu, so it is always at the top of the page even if the user scrolls down.



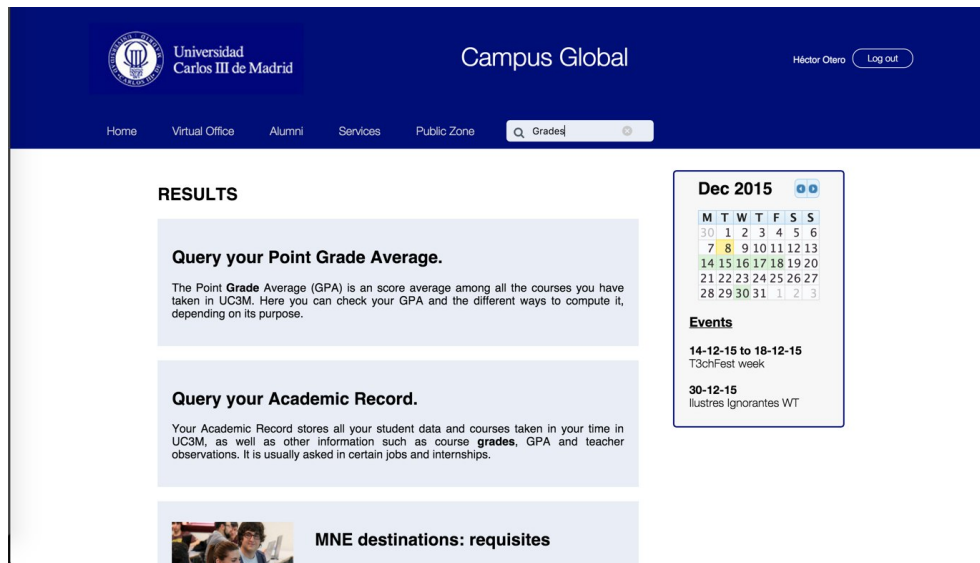
- **The search:** Here we have used a JQuery plugin made by Twitter that provides suggestions among several other features. We have placed it next to the navigation menu to ensure that it is easy to access at all times.



- **The footer:** here we've used plain-old HTML and CSS. We've included as pointed in the analysis and prototype-design sections all the links related with information and help for the user, the option for changing the language, as well as the social media links.

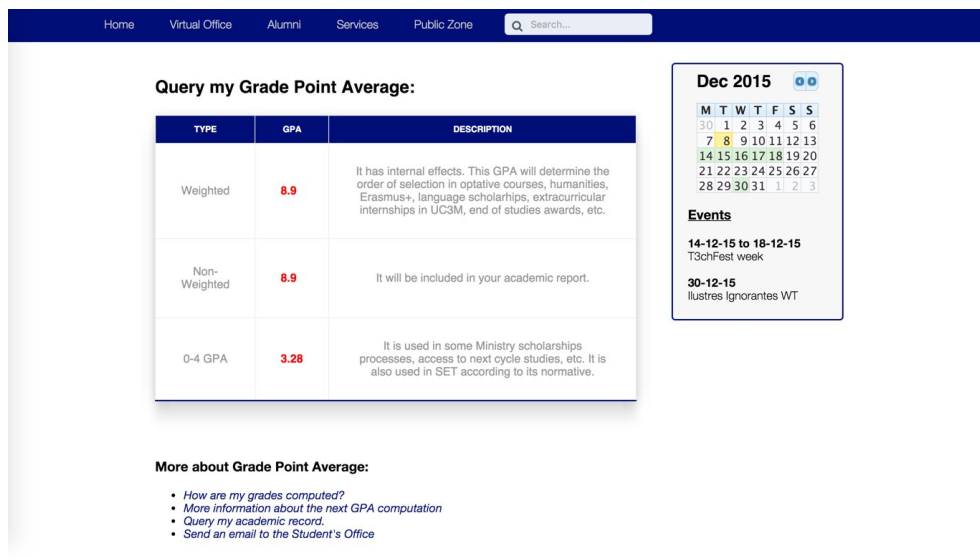


- **The slider:** we wanted to keep a sober look in the page. Since the slider is a big element, that catches a lot of attention, we wanted to reduce the animations and effects while maximizing the content displayed and the simplicity. The library that suited us the most was Flexslider, a JQuery slider with a simple implementation that allowed us to display an image and a caption (the title of the article). That way, we could highlight some relevant news above the rest of them, that are displayed right below in cards.



- **The cards:** to design the cards we followed a minimalist design, so the implementation was simple. The cards are composed by a title, a description and an image (if it is available). Cards use a light blue background according to UC3M's color palette and are 20px one from another. The cards are used in the Home Page to show the recent news; and whenever the user performs a search, to display the results.

- **The calendar:** for the implementation of the calendar we've used the FullCalendar jQuery plugin that allows to easily display events in the calendar. This plugin uses under the hood the Moment library for parsing, validating, manipulating and displaying dates in the calendar. Since the size of the calendar was small, we decided to display events with a green color in the background of each date and explaining each event in the section below labeled as Events which would change accordingly with the months.



- **The marks:** the GPA table has been implemented without the use of any library since we didn't want to overload the users with animations and that's why the only effect is a subtle highlight of the row that the user is hovering on. The table was designed with the inspiration of the original Campus



Global table, but making a more attractive and consistent design with the rest of the redesign (using the UC3M dark blue). We kept some features of the original table (i.e. the red highlighting of the GPA) while discarding some (i.e. the formulae to compute each GPA is now displaced to a more extensive post in the links below the table).

## 6 Conclusions and final remarks

Our redesign addresses as many problems as encountered by our team in the site, some of larger ones being the importance of the consistency with the university site (uc3m.es), as Campus Global seemed to be isolated from the institution's resources and displaying the information in an organized and modern manner. Having both user and designer perspectives has given us a major advantage to do so, and we find our design a proposal that would suppose a significant improvement of Campus Global. This new look does not only focus on aesthetic aspects, (which as we have already mentioned are very poor and inconsistent in the original site), but also makes an important tool for students as Campus Global better, by improving the user's performance and reducing the time in the site as much as possible.

As a final remark, we think we are able to proudly say that we've given Campus Global a new useful and good-looking face.