Practice 2: Develop a company web site with php

For this practice you can choose any of this 4 subjects, but you cannot develop the same subject as the person sitting next to you.

This practice will be delivered and graded.

[Subjects to choose the project: 1](#_Toc497303156)

[2a. Travel Agency 1](#_Toc497303157)

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# Subjects to choose the project:

You can choose the subject of the practice between:

2a. Travel Agency

2b. Call Center

2c. Shop online

2d. School management

All projects have similar difficulty, all have a login form, a register form, a form to create new products and one or two pages displaying the content from the database.

## 2a. Travel Agency

You are going to write a php page for an american travel agency, specialized in travels for young people, which fulfills the following requirements:

1. The web site needs a logo, for example this one:

[](http://www.geckosadventures.com/en)

1. The first thing the user can see is a registry form which asks, as required fields: name, age, genre and email, other fields like address and country or more are optional.
2. The email field should have validation, the genre is a radio button.
3. If the user is under 18 or over 35, you redirect it to another travel agency web site, explaining that he is not authorized.
4. If the user is between 18 and 35, then the user is registered, his data is saved in database and the travel agency page appears.
5. The travel agency page should not be accessible to anyone who is not logged in and should be automatically redirected to the login page. (Use Session)
6. The travel agency page for end users should contain:
   1. The logo
   2. A table with, at least, 5 travel destinations and a limit of 10 destinations per page, with navigation links to see the next 10 products.
   3. Each destination should have: Image, price, discount, place, country, category and a button to add to the cart.
   4. The action of the button adds the product to the cart and saves data in database.
   5. A dropdown list to filter the destinations by category, for example Beach, Mountain, Sports, Camping…
7. The cart page should list the products added and have the option to delete the destination from the cart or modify the number of people travelling.
8. Create 2 types of users:
   1. End user for the buyers
   2. Administrator for the staff who can create new products using a form.
9. Create a form to create new products (destinations) and save them in the table so they are displayed for the end users. It should have, at least, the fields : Image, price, discount, place, country

## 2b. Call Center

You are going to write a php page for an electronics company, for the customer service department, for example HP, Dell, Nikon or Samsung. The employees in the customer service have access to an internal web page where, after logging in, they have access to create new tickets or search the status of the existing tickets.

This internal web page must fulfill the following requirements:

1. The web site needs a logo, for example this one:



1. The first thing the employee can see is a login form with the fields login (must be an email) and password.
2. The email field should have validation
3. If the login is correct and the email has the domain of the company (for example dell.com or samsung.com), then the page is redirected to the call center page.
4. The call center page should not be accessible to anyone who is not logged in and should be automatically redirected to the login page. (Use Session)
5. The web site for employees should contain:
   1. The logo
   2. A form to create new tickets with, at least the following fields: date, employee, customer name, customer email, customer region (no need to introduce it again, keep it from the login using Sessions), product, description, guarantee and up to 4 pictures.
   3. A field to search tickets by date or by name. When searching, a table with the tickets should appear in the same or in another page, with a limit of 10 tickets per page, with navigation links to see the next 10 products.
   4. The action of the button adds the product to the cart and saves data in database.
6. Create 2 types of users:
   1. End user for the employees
   2. Administrator for the staff who can create new products using a form.
7. Create a form to create new products and save them in the table so they are displayed for the employees. It should have, at least, the fields : Image, name, model, guarantee, category

## 2c. Shop Online

You are going to write a php page for a retail company that sells clothes and accessories (bags, shoes, etc), for example ShowRoomPrivee, Privalia or Zalando. The customers can only see the products if they are logged in, they can select the products and add them to the basket.

This internal web page must fulfill the following requirements:

1. The web site needs a logo, for example this one:



1. The first thing the customers can see is a login form with the fields login (must be an email) and password and a link to a register form.
2. The register form should ask at least, as required fields: name, password, age or birthdate, genre, address, country and email.
3. The email field should have validation, country should appear as a dropdown list and the genre is a radiobutton.
4. If the login is correct, then the page is redirected to the products page.
5. The products page should not be accessible to anyone who is not logged in and should be automatically redirected to the login page. (Use Session)
6. The products page should contain:
   1. The logo
   2. A table with, at least, 5 products, a limit of 10 products per page with navigation links to see the next 10 products.
   3. Each product should have: Image, name of product, price, discount, category and a button to add to the cart.
   4. Next to each product, a button to add the product to the cart.
   5. The discount should be more visible in the web than the price.
7. The cart shows all the products added to the cart and it is possible to increase the number of products and delete them. The cart is stored in the database, so it can continue shopping if the session is closed. The cart might have a Pay button, which you do not need to develop.
8. Create 2 types of users:
   1. End user for the customers
   2. Administrator for the staff who can create new products using a form.
9. Create a form for administrators to create new products and save them in the table so they are displayed for the customers online. It should have, at least, the required fields: Image, name of product, price, discount, category

## 2d. School Management

You are going to write a php page for a school, for the administration department, for example Educem. The employees in the administration department have access to an internal web page where, after logging in, they can register new students, search students and see and edit their contact information.

This internal web page must fulfill the following requirements:

1. The web site needs a logo, for example this one:

C:\Users\Eva\Documents\DAM 17-18\M4\Pràctiques UF1\Exercicis 01 HTML\imatges\logo_educem.png

1. The first thing the employee can see is a login form with the fields login (must be an email) and password.
2. The email field should have validation
3. If the login is correct and the email has the domain of the company (for example educem.com), then the page is redirected to the students page.
4. The students page should not be accessible to anyone who is not logged in and should be automatically redirected to the login page. (Use Session)
5. The students page should contain:
   1. The logo
   2. A form to create new students with, at least the following fields:
      1. Required: register date, student name, email, address, paying method
      2. Optional: parents names and emails, picture, current course, last invoices and their status (payed or pending, etc).
   3. A field to search students by name and/or by surname. When searching, a table with the tickets should appear in the same or in another page, with a limit of 10 students per page.
   4. The action of the button can unenroll students, this action does not delete the student from the database, only modifies a field to mark that the student is not studying anymore at the school and so they are not visible in the application.
6. Create 2 types of users:
   1. End user for the employees
   2. Administrator for the staff who can create new products using a form.
7. Create a form for administrators to create new users with permission to login to the page and save them in the users table. It should have, at least, the required fields: name, surname, email.

# Work individually and in groups

## Shared mysql database

You can decide the project you’d like to develop, and you will use a common mysql database, hosted in a free hosting server and shared with all your colleagues that develop the same project. You need to meet and decide the database hosting, its tables structure and content.

The tables design can be modified during the project because you find that something is needed to be added. Each modification must be discussed and agreed with all the group so everybody adopt the changes in their code.

It is recommended to keep a local database ins case of connectivity issues.

The limit date to make modifications in the tables structure is 21/11/2017.

## Hosting server

You have to host the practice in a free hosting server, you can decide which one you use. You have to deliver the code of the practice and the link to your website.

# Hosting options for individual site and for mysql server:

You can decide the server between the list below or another if you know any better, you need to verify if mysql can be accessed from external servers:

* ***Awardspace****: Té un cPanel amb moltes funcionalitats, en un disseny no gaire modern i petit però molt potent, el procés fins conseguir una web configurada per php és més lent que altres. Té un file manager fácil d’utilitzar.*
* ***x10hosting****: Si la connexió és lenta, a vegades des de l’escola no es pot accedir al cPanel. Cal comprobar que es pugui accedir a la gestió de la base de dades des de l’escola. Té un file manager fácil d’utilitzar i es pot editar els php online. La configuració de la web és molt senzilla. Permet crear fins a 2 bases de dades. Té una configuració de mysql remote hosts amb la IP per poder accedir a la base de dades, pero ja no permet accés remot.*
* ***Hostinger****: Han estat suprimint funcionalitat per les contes gratuites, com per exemple el file Manager, només es pot accedir amb un FTP client. Permet tenir més d’una base de dades mysql, és molt fácil de configurar i té moltes funcionalitats i instaladors en una web senzilla. Cal comprovar si una compta gratuita permet accedir a mysql des d’un servidor extern.*
* ***000webhost****: És un hosting que evoluciona a partir de hostinger, és molt fácil d’utilitzar i ofereix millor serveix que hostinger, sí que tenia filemanager i la opció d’editar els fitxers php online. La disponibilitat del servidor falla poques vegades.*
* ***Dynahosting****: They offer free hosting if you participate in the Price puntCat.*
* [*https://www.freemysqlhosting.net/*](https://www.freemysqlhosting.net/)

*Es fácil crear una base de dades mysql. S’administra amb PHPMyAdmin. No és accesible des de l’escola pero des de fora sí.*

* [*http://www.freesqldatabase.com/freemysqldatabase/*](http://www.freesqldatabase.com/freemysqldatabase/)

*Pendent de provar com funciona.*

#### Evaluation criteria:

1. Functionality. The requisites of the exercise should all be implemented.
2. Design. The objects in the form and in web site should be well distributed, with proper sizes, alignment, margins.
3. Technical solution, code:
   1. Use CSS styles, you can use templates and bootstrap if you want.
   2. Structure the pages in different html and php files and folders.
   3. Write comments in the code
   4. Security: Check in every page that anyone can access your site without login
   5. Images and files are not installed in the database.

# Premi de la Fundació PuntCat

Les millors pàgines web es podran presentar al concurs de pàgines web organitzat per la Fundació puntCat.

S’han de presentar abans del **15 de gener 2018**

Per poder participar al concurs hi ha una sèrie de requeriments:

* El hosting de la web ha de ser Dynahosting
* La web ha d’incloure els logos **[](http://websalpunt.cat/wp-content/uploads/2013/10/puntcat.png)** **[](http://websalpunt.cat/wp-content/uploads/2013/09/dinahosting.jpg)**
* Ha d’incloure un enllaç al seu web (http://www.websalpunt.cat)
* Els projectes han de ser creats pels estudiants, en grups d’entre 2 i 5 persones
* El contingut de tots els llocs web presentats (text, imatges, animacions, música i sons) ha de ser propi o si es reprodueix s’ha de tenir el permís de l’autor/a i informar del seu origen.
* El contingut del lloc web ha de ser com a mínim en català**.** També es valorarà molt la correcció ortogràfica i sintàctica del web. Podeu trobar recursos gratuïts que us poden ajudar a l’apartat de recursos del web websalpunt.cat.
* Si el lloc web recull dades personals, es fa de forma justificada, indicant bé el motiu i de manera coherent i s’informa sobre la política de privacitat de les dades.
* El lloc web conté material audiovisual ( imatges, vídeos, àudio)
* **El lloc web/bloc ha de mostrar al navegador el domini .cat**

Tota la informació disponible a <http://websalpunt.cat/bases/>