

Creating web pages

1. Final task assignment

Contestants have to create a website for the company "L'Arcadeur", specialized in the design and sale of retro video game arcade terminals and pinball machines. The firm philosophy is based on a "Street Art" atmosphere and on the video games nostalgia. The goal of this website is to communicate on the presentation, the history, and the production of the various products. The site will also offer the possibility to contact the company through a contact form. A resource file will be provided to contestants on the day of the test.

2. Allocated time: 6 hours 00 minutes

The contest duration is 6 hours 00 minutes.

3. Requirements

Module1: Graphic Design

Design, interface prototyping, and development of unique page website design layouts.

Completion time: 2 hours.

Important: The prototype can be drawn on A4 paper or using Axure/Adobe XD/Figma software. It is necessary to develop a wireframe (responsive) and design layouts for a smartphone, a tablet, and a desktop that must respect the layouts below:

- Layout for smartphones with a screen width of 320 to 767 pixels.
- Layout for tablets with a screen width of 768-1279 pixels.
- Layout for desktop with a screen width of 1280 pixels and more.

Design: Creation of a coherent and original graphic charter adapted to the company's image and logo that will be provided to you on the day of the event.

Module 2: Coding and Structuring of the site

Completion time: 4 hours.

Page 1 - Home (index.html) should contain:

- ✓ A "Header" with a logo and a menu that opens on hovering. The menu must contain the 4 main links: "Home", "Presentation", "Our Products" and "Contact". Contestants must create two sub-links under the "Our Products" link: "Our Arcade Machines" and "Our Pinball Machines". Note that the "Header" must also appear on all other pages of the site.
- ✓ A slideshow of photos (carousel) in the center with a banner with 4 images or a video and allowing the user to scroll through the slides. Each image should have a description and a "Learn more" button which should be a link that redirects to the page in question.
- ✓ A "Footer" with the repetition of the links present in the menu by adding the links "Legal" and "Privacy Policy" and two links "Social Networks" (Instagram and Twitter). Note that the "Footer" must also appear on all other pages of the site.

Page 2 - Presentation (presentation.html) must contain:

- ✓ A "Header" banner showing a photo and the title of the page.
- ✓ The history and philosophy of the company with photos and text and/or animations.

Page 3 - Our arcade terminals (nos_bornes.html) must contain:

- ✓ A "Header" banner showing a photo and the title of the page.
- ✓ 6 windows showing the title, a photo, and a short description of the product with a button "Discover the product". By clicking on the button, you will be directed to the page "terminal1.html", "terminal2.html" etc. On each page, the title, the description of the product, four photos in slideshow and the price should appear.

Page 4 - Our Flippers (flippers.html) must contain:

- ✓ A "Header" banner showing a photo and the title of the page.

- ✓ 6 windows showing the title, a photo, and a short description of the product with a "Discover the product" button. By clicking on the button, you will be directed to the page "flipper1.html", "flipper2.html" etc. On each page, the title, the description of the product, four photos in slideshow and the price should appear.

Page 5 - Contact (contact.php) should contain:

- ✓ A banner "Header" showing a photo and the title of the page.
- ✓ A contact form showing the fields (*required) "Name", "First name", "Email", "Message" and the "send" button.
- ✓ The form must be dynamic (PHP and/or Javascript) and functional. A message should appear if the required fields are not filled in or are filled in incorrectly. It should also appear a message if the form has been sent.

Page 6 - Legal information (mentions.html) must contain:

- ✓ A "Header" banner showing a photo and the title of the page.
- ✓ Contact information and professional mention of the company.

Mandatory technical criteria

1. Design and ergonomics: creation of a code adapted and corresponding to the prototyping of the interface.
2. Creation of the website's homepage featuring a picture slide show using the resource file. This homepage must respect the basics and the HTML 5 at the moment of the competition (<header>, < footer>). The menu must feature the following 4 links that must also appear in the footer: "Home", "Presentation", "Our Products" and "Contact".
3. Creation of the website's structure with the four pages described in the homepage menu: "Home", "Presentation", "Our Products" and "Contact". These pages linked to "terminals.html" and "flippers.html" will not need to be filled with text but must respect the website's graphic charter, make appear the titles and the picture slide show of the products' photos.
4. Contestants must create an animation for the menu in the header in javascript or CSS3.

5. In the menu, contestants must create 2 sub-links under the "Our Products" link: "Our arcade terminals" and "Our pinball machines". These links must be effective and directed to the right page.
 6. PHP: the contestant will have to create a dynamic "Contact" page with the reminder of the mandatory fields if they are not filled. The form will have to work locally on the test server, and the screen will show the message that the message has been sent.
- ✓ Candidates will not have access to the Internet and will not be able to use any other devices or software than those provided by the organization.
 - ✓ At the beginning of the competition, the jury will collect all electronic means of communication contestants may have (cellphone, connected phone, connected watch, tablet....). They will be returned to them when the competition is finished. Contestants may keep their MP3 players to listen to music once the jury has performed an inspection of the equipment.
 - ✓ Any contestant caught cheating, talking to someone from the public or using communication device will suffer a penalty of 5 points for the first transgression. out A second transgression will lead to an exclusion from the contest.

4. Procedure

Day -1(March 23rd): The day before the competition, contestants will be welcomed on the stand by the jury. A briefing about the organization of the competition will be given and the workstations will be chosen at random. Due to the large number of registered contestants, the competition will be organized in two groups. Contestants from a same delegation will inevitably be placed in the same group. Each contestant will receive a schedule with detailed working hours. Contestant will draw lots to be assigned to a work place, where they may drop off their tools.

Composition of the groups

Group 1: 9 contestants	Group 2: 8 contestants
Ecuador, 1 contestant	Korea, 1 contestant
Azerbaïdjan, 1 contestant	India, 1 contestant
Japan, 2 contestants	France, 2 contestants
China, 1 contestant	Malaysia, 1 contestant
Chinese Taipei, 1 contestant	Uganda, 2 contestants
Kazakhstan, 1 contestant	Kenya, 1 contestant
Bangladesh, 1 contestant	
Mongolia, 1 contestant	

Day 1 (March 24th): Group n°1 will have 6 hours to complete the task assignment.

Group n°2 will go on an organized trip.

Day 2 (March 25th): Group n°2 will have 6 hours to complete the task assignment.

Group n°1 will go on an organized trip.

5. Scoring criteria

N°	Items to be evaluated	O/S	Scoring scale
Module 1: Graphic design <i>Module 1 : Graphisme</i>			29
01	Respect of the graphic charter: color of the logo <i>Respect de la charte graphique: couleur du logo</i>	O	6
02	Quality and originality of the menu <i>Qualité et originalité du menu</i>	S	8
03	Quality of the slideshow used on the homepage <i>Qualité du diaporama utilisé sur la page d'accueil</i>	S	4
04	Optimization of the photos (size in KB) <i>Optimisation des photos (taille en Ko)</i>	O	3
05	Quality of the graphic design in general <i>Qualité du graphisme en général</i>	S	8
Module 2: programmation et animation			44
06	Presence of a title tag of the site page <i>Présence d'une balise titre de la page du site</i>	O	3
07	Presence of the H1 title tag <i>Présence de la balise titre H1</i>	O	2
08	Presence of a CSS file <i>Présence d'un fichier CSS</i>	O	2
09	Presence of an index file <i>Présence d'un fichier index</i>	O	3

10	Presence of sub links <i>Présence de sous liens</i>	O	2
11	Presence of menu links in the footer <i>Présence des liens du menu dans le footer</i>	O	3
12	Naming of "alt" image tags <i>Nomination des balises images "alt"</i>	O	2
13	Presence of an image folder <i>Présence d'un dossier images</i>	O	2
14	Presence of a slideshow (carousel) <i>Présence d'un diaporama (carousel)</i>	O	2
15	Good naming of files <i>Bonne nomination des fichiers</i>	O	2
16	Presence of comments <i>Présence de commentaires</i>	O	2
17	Presence of a link legal mentions <i>Présence d'un lien mentions légales</i>	O	3
18	Respect of XHTML/CSS standards <i>Respect des normes XHTML/CSS</i>	O	3
19	Presence of an animation for the menu <i>Présence d'une animation pour le menu</i>	O	2
20	Quality of the animation for the menu <i>Qualité de l'animation pour le menu</i>	S	6
21	Adaptation of the site to all formats (smartphones, tablets) <i>Adaptation responsive du site à tous les formats (smartphones, tablettes)</i>	O	2
22	Respect of the HTML structure (Header, Footer) <i>Respect de la structure HTML (Header, Footer)</i>	O	3
Module 3: PHP Programming <i>Module 3 : programmation PHP</i>			27
23	Presence of a "PHP" file in the root of the site "www" <i>Présence d'un fichier "PHP" dans la racine du site "www"</i>	O	4
24	Presence of a contact form <i>Présence d'un formulaire de contact</i>	O	2
25	Presence of all the required form fields <i>Présence de tous les champs du formulaire demandés</i>	O	2
26	Presence of a "send" button <i>Présence d'un bouton "envoyer"</i>	O	2
27	Presence of a designation for the mandatory fields <i>Présence d'une désignation pour les champs obligatoires</i>	O	3
28	Presence of PHP tags <i>Présence de balises PHP</i>	O	2
29	Reminder if mandatory fields are not filled in <i>Rappel si champs obligatoires non remplis</i>	O	2
30	Quality of the structuring of the PHP code with comments <i>Qualité de la structuration du code PHP avec commentaires</i>	S	4
31	Functioning of the sending of the form towards mail recipient (\$to) <i>Fonctionnement de l'envoi du formulaire vers mail destinataire (\$to)</i>	O	6
TOTAL POINTS			100