

# Test Project

Mobile F Lyon Tourist Page

*Web Technologies*

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# Introduction

In this project, we create a web page to promote Lyon to tourists. The page should be reachable at [wsXX.worldskills.org/XX\\_module\\_f/](https://wsXX.worldskills.org/XX_module_f/) where XX is your seat number.

## Description of project and tasks

In this project, you are required to implement the web page design.

There are several sections in the layout:

- Header
- Call-to-Action section
- Map attraction
- Video playback
- Essential information
- Latest Events
- Information tabs
- Contact form
- Footer

For the entire layout, please refer to the layout.png.

### Header

The header navigation stick to the top when scrolling. It also has a blurry glass effect.

Please refer to the header-navigation.png

### Call-to-Action section

The next section is a call-to-action section. There is a large cover image in the background. Then there is a call-to-action button center aligned within this section.

The call-to-action button has a hover effect that follows the mouse cursor. It is a shining with border-growing. Please refer to the call-to-action-effect.mp4 for the effect.

### Map attractions

There is a section that display a map (in static image format) on the right and 3 attraction cards are displayed on the left.

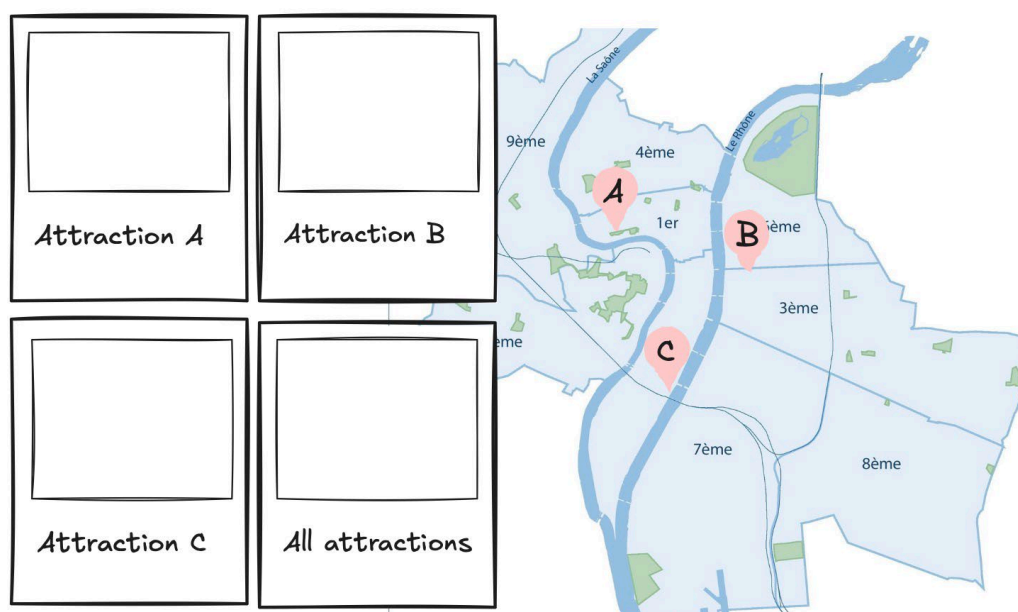
The map is static on the right. On top of the map image, there are 3 spots related to the 3 attraction cards on the left. On the left, it is a 2x2 grid, containing 3 attraction card elements that link to the attractions, and the fourth space is a link to link to all attractions. In this project, it is still a prototype, so we only put an empty URL in these links.

When mouse hovering on the spot on the map, the attraction has a focus effect that scales up slightly with the box-shadow effect.

box-shadow effect: scale up 1.05x, box shadow on 5px y-axis offset with 5px blur with color black at 30% opacity.

When mouse hovering on the attraction card, the card has both the focus effect described above, and the attraction card has the subtle lighting gradient effect. A light effect moves from left to right.

Please refer to the following mockup, and the card-light-effect.mp4 for details.



## Video playback

After the map section, there is a video section. There is a video, muted without sound.

When the user scrolls down and the video is in the view, the video auto-plays. When the video is not in the screen, that is out of view, the video auto-pauses. If the video is in the view again, the video playback resumes and continues. The auto-play happens when the video is around 50% visible.

This applies also to the web page visibility. When the web page is not visible, the video playback pauses. When the web page is visible again, the video playback resumes.

## Essential information

After the video section, there is an essential information section. There are important contact address and contact phone number.

In this section, there is also a button to pronounce the address information text to speech in French.

When user clicks on this button, a French text-to-speech should be pronounced, and it can be heard from the computer/mobile speaker/headphone.

## Latest Events

There are events cards in the Latest events section. The cards aligned horizontally, and it scrolls horizontally when there are more cards than the page width can hold. The cards share the same style of the map attraction cards.

You can find the data of the events in the media file named latest-events.txt, and the images are in latest-events-images folder.

## Other Information Tabs

After the latest events, there is a section to show miscellaneous information. The information is group into tabs. You may find the text data in the media file named other-information-tabs.txt.

For better future reusing of the tab element, please implement the tabs by creating custom element according to the HTML standard. This is also known as web components. And it is usually a custom class that extends `HTMLElement`.

The tab toggling is done by either mouse clicking, or by using left and right keyboard for tab switching when tabs are in focus.

Please implement proper aria attributes. At least `aria-selected`, `aria-hidden`, `aria-labelledby`. The `aria-labelledby` should show the title of the associated tab and tab content.

Please note that this custom element must not use pre-built tab components from any third-party UI components library.

## Contact form

There is contact form with the given fields.

### Fields

- First name
- Last name
- Contact Email Address
- Contact Phone Number

Please implement the contact form according to the layout in media files. These fields should be in logical tab index.

In this project, the form is a placeholder and please put empty URL to the form action.

## Footer

The footer is a common multiple columns footer. Please follow the layout provided in the media files. You can also find the text content in the media files named `footer-content.txt`.

## Offline Access

When the device is offline, there is a minimal webpage that shows the header and content of the "Essential Information". It should also state that the web page is now in offline mode. This applies when the user tries to access this web page during device offline.

When the device is back online, accessing the web page will show the normal web page as well.

## Images Loading Responsiveness

Then web page loads the provided low-resolution image files when the screen is less than 760px width.

When the screen width is at least 760px width, large resolution images are used.

## Instructions to the Competitor

Please consider accessibility when implementing the design. All images should have proper alternatives. All text content should be readable by screen reader.

This project will be assessed in Google Chrome and accessibility to be assessed by NVDA screen reader from NV Access.

## Other

This project will be assessed by using Google Chrome web browser.

You may provide a README file for executing guide if necessary.

### Marking Summary

	Sub-Criteria	Marks
1	Responsive loading	2.25
2	Video playback	2.0
3	Design and Layout Implementation	2.75
4	Effects	3.0
5	Accessibility	2.5
6	Tabs	1.0