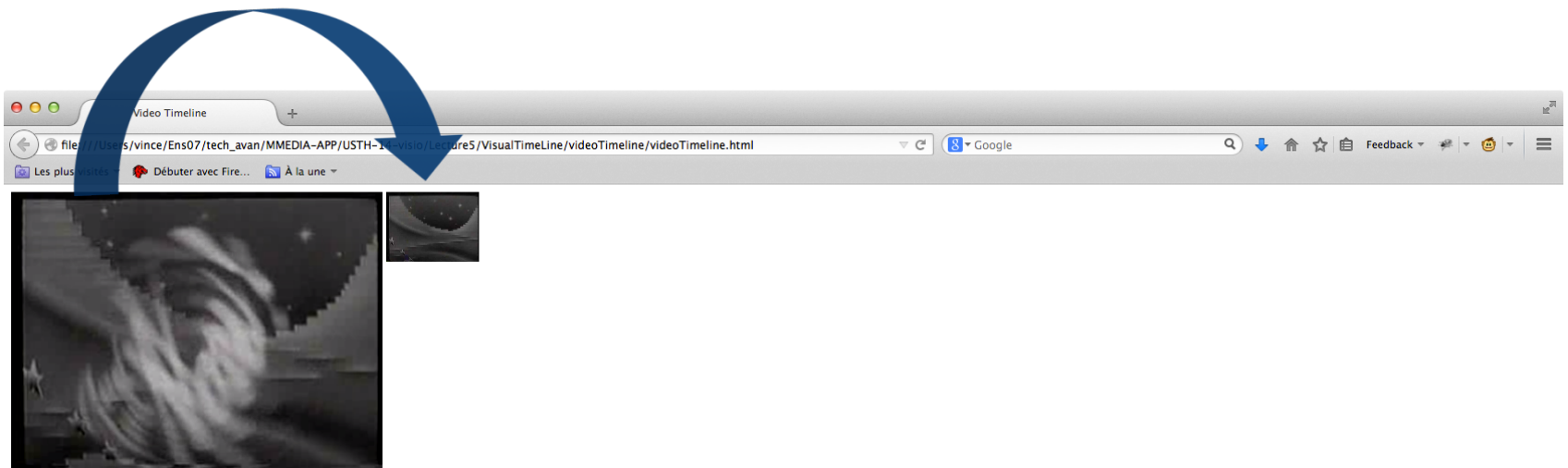


Visual Time Line (VTL) Project

- Devise an advanced video player VP
- Evaluate it through a (small) user study
- The VP Functioning in decomposed in two rounds:
 - **Construction** of clickable panels
 - **Navigation** with the obtained panels
- Technology:
 - multimedia extensions of HTML5 +javascript

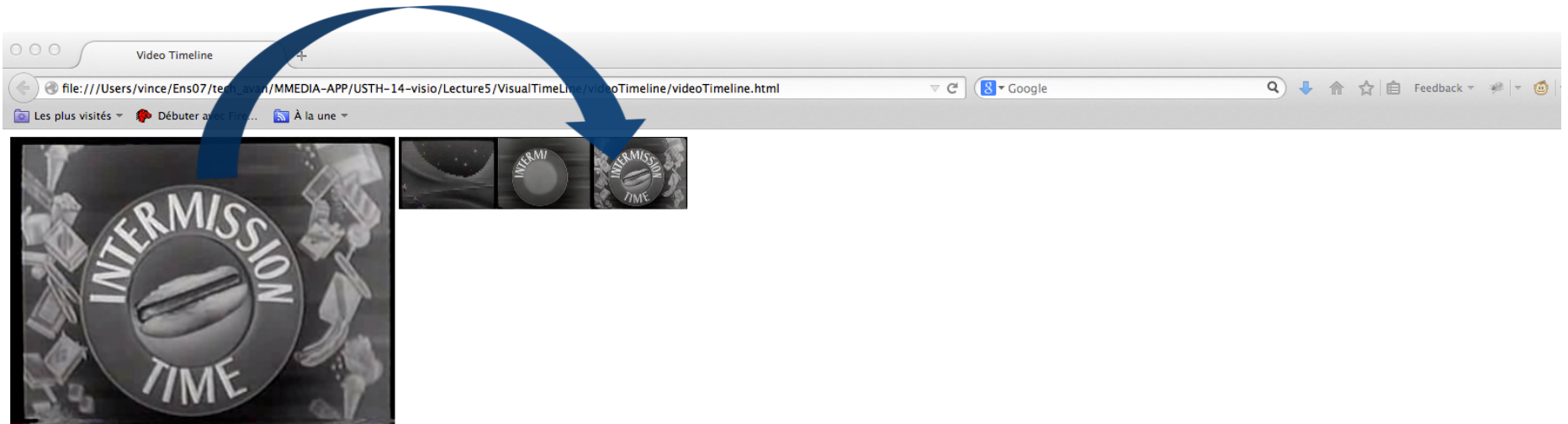
VTL project

- **Contruction (Time 0):**
Read a video source, Export and copy frames



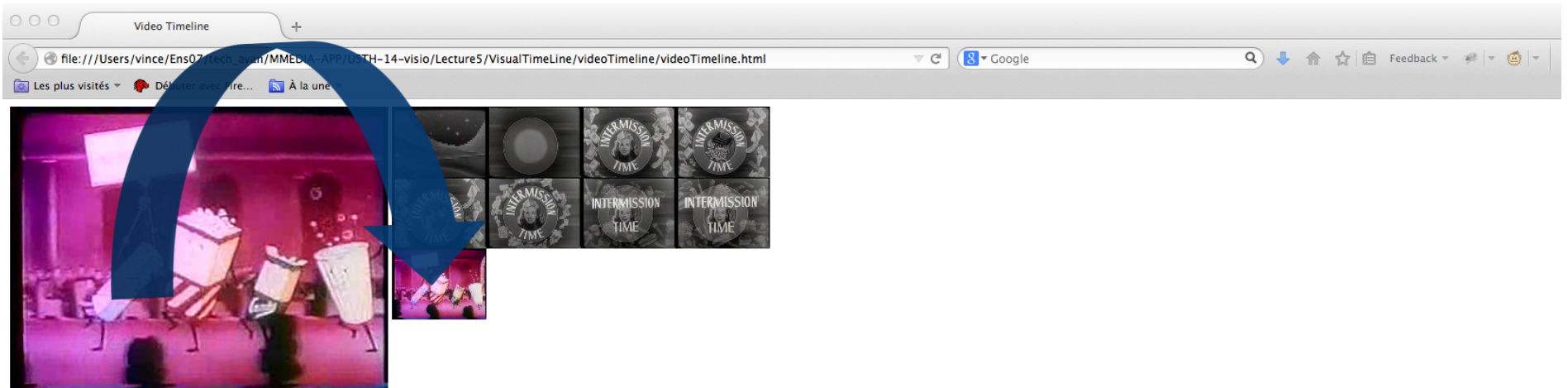
VTL project

- **Contruction (Time 2X, 2X seconds later):**
Read a video source, Export and copy frames



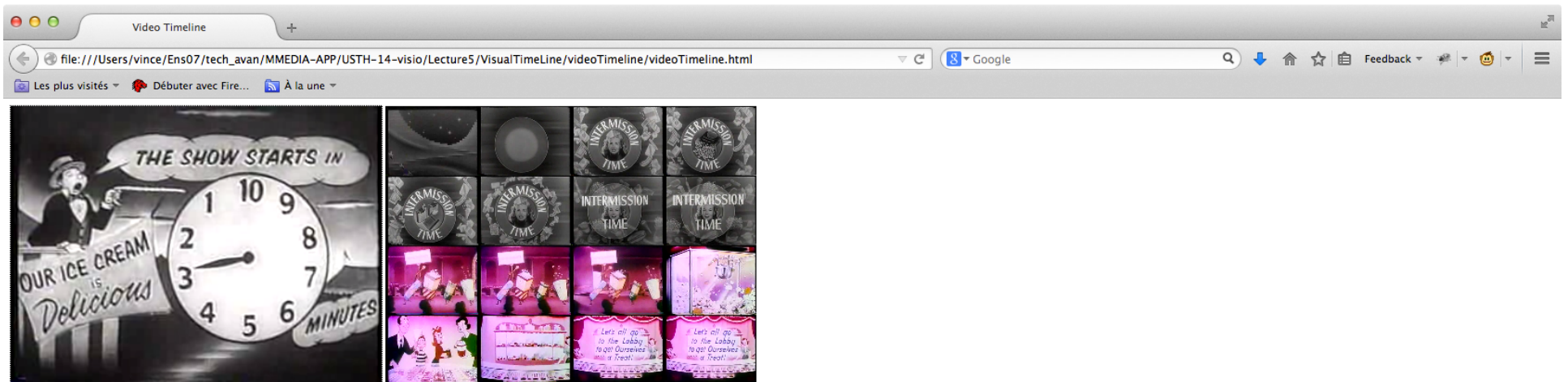
VTL project

- **Contruction (Later on):**
Read a video source, Export and copy frames



VTL project

- **End of construction phase (Time 15X+):**
Video playout (and construction phase) are over
A panel is constructed with keyframes



VTL project

- **Navigation :**

Video playout (and construction phase) are over

A panel is constructed with keyframes

Make the panel interactive (it's a visual-time line)



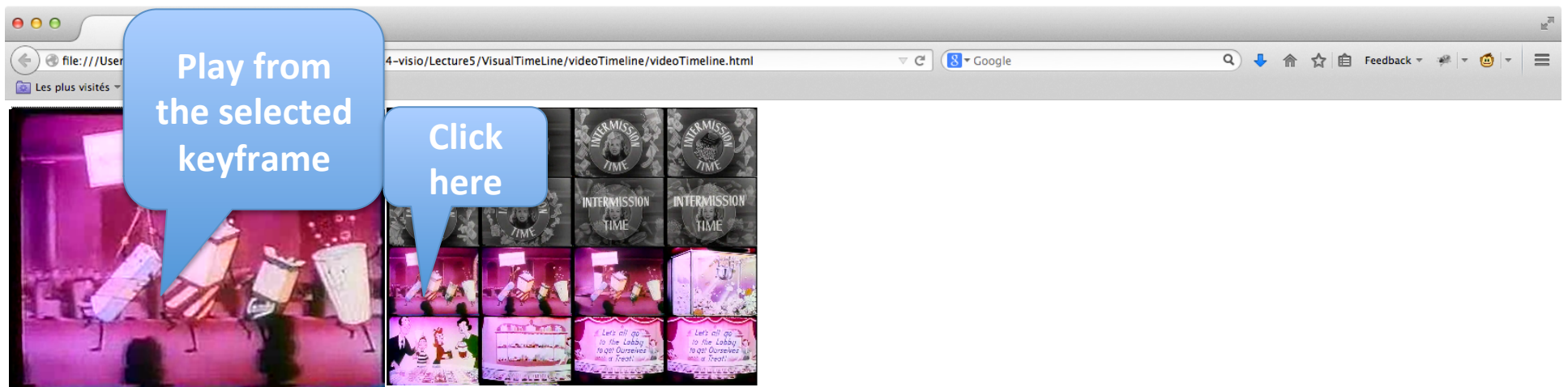
VTL project

- **Navigation :**

Video playout (and construction phase) are over

A panel is constructed with keyframes

Make the panel interactive (it's a visual-time line)

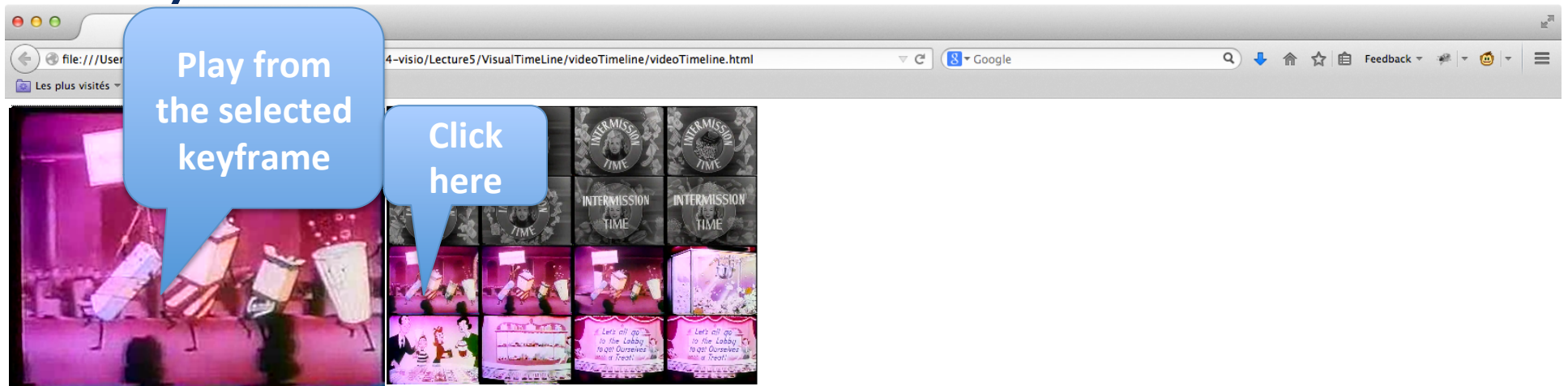


VTL projects

- **Warnings :**

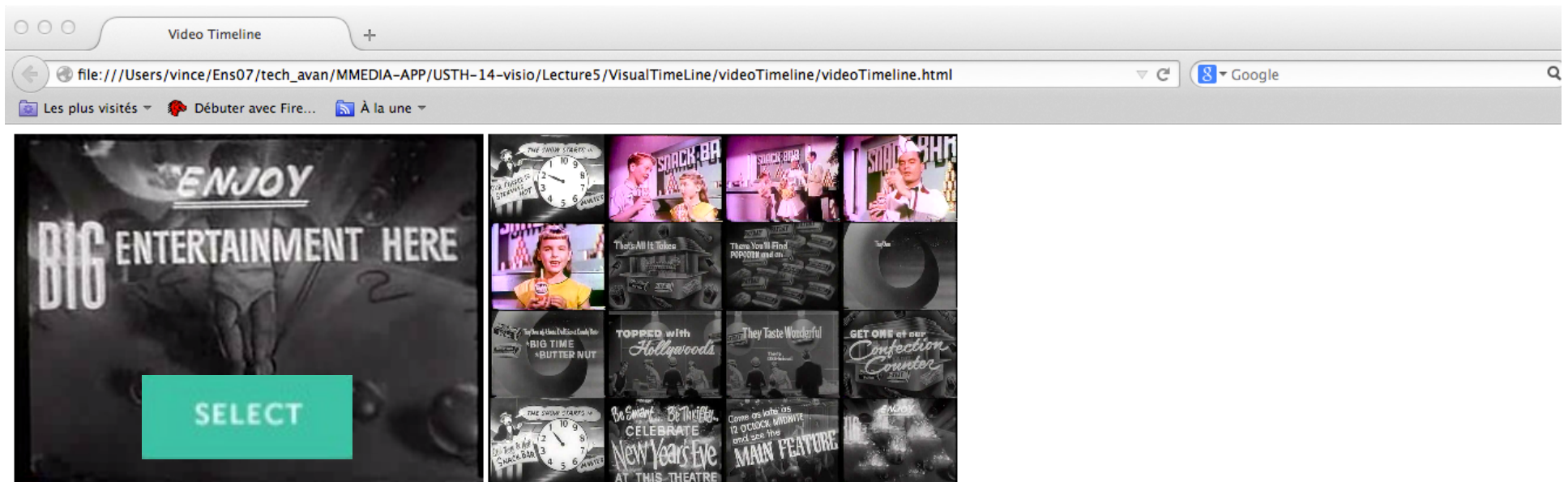
I expect 6 different projects with additional ideas and interaction tricks

The 6 interfaces will be evaluated through a user study



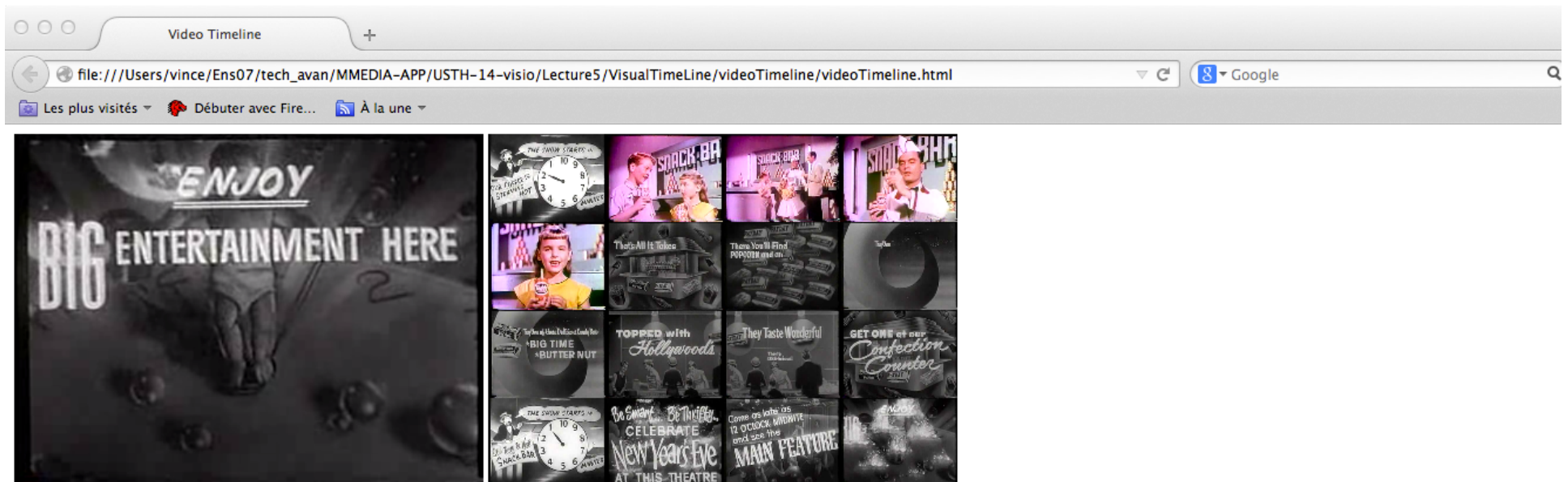
VTL project

- **Alternative Construction Method :**
Use a toggle button to select a keyframe



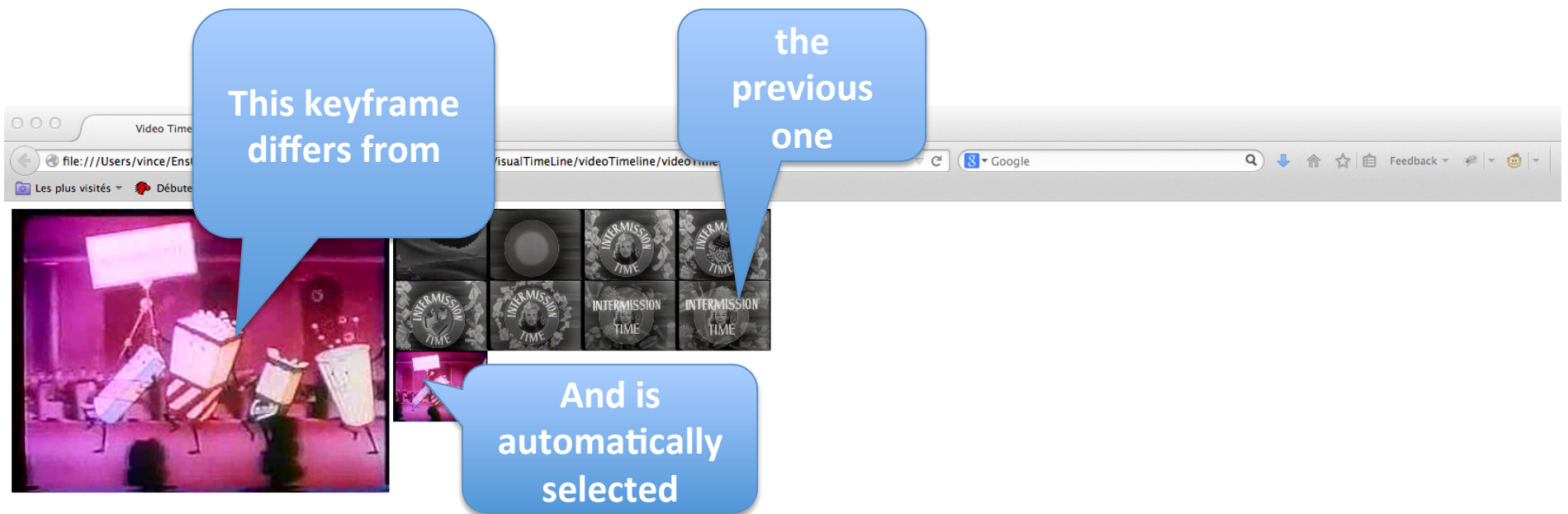
VTL project

- **Alternative Construction Method :**
Drag and drop ?



VTL project

- **Alternative Content-based Construction Method:**
Select a keyframe if it is significantly different from the previous one



VTL project

- **Alternative Navigation Method :**

Use a visual slider to navigate through the keyframes



VTL project

- **Alternative Multiresolution Navigation:**
Coarse to fine selection

The image shows a browser window titled "Video Timeline" with a file path: `file:///Users/vince/Ens07/tech_avan/MMEDIA-APP/USTH-14-visio/Lecture5/...ne.html`. The interface displays a video player with a timeline. A large blue speech bubble points to a selected keyframe in the timeline, containing the text: "Select (click on) this keyframe". Another large blue speech bubble points to a grid of keyframes, containing the text: "Get more keyframes around the selected time (fine grained keyframe selection panel)". A third blue speech bubble points to a zoomed-in view of a specific keyframe, containing the text: "Refine your initial selection".

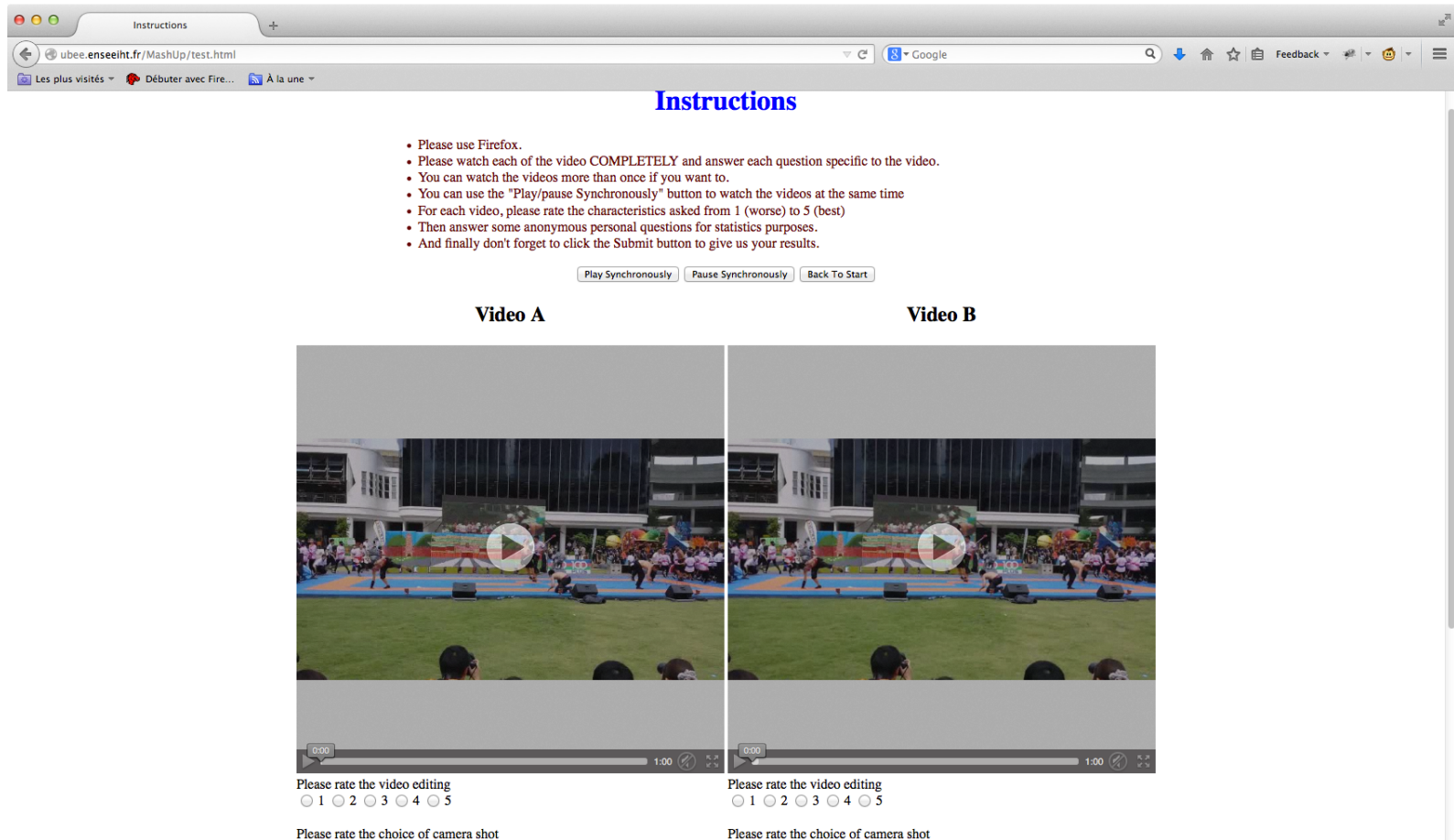
Select (click on) this keyframe

Get more keyframes around the selected time (fine grained keyframe selection panel)

Refine your initial selection

An Original VTL project

- Implement a (HTML5) tutorial for your interface
- Set-up a user study (in HTML 5) :



The screenshot shows a web browser window with the URL `ubee.enseiht.fr/MashUp/test.html`. The page title is "Instructions". Below the title, there is a list of instructions for the user study:

- Please use Firefox.
- Please watch each of the video COMPLETELY and answer each question specific to the video.
- You can watch the videos more than once if you want to.
- You can use the "Play/pause Synchronously" button to watch the videos at the same time
- For each video, please rate the characteristics asked from 1 (worse) to 5 (best)
- Then answer some anonymous personal questions for statistics purposes.
- And finally don't forget to click the Submit button to give us your results.

Below the instructions, there are three buttons: "Play Synchronously", "Pause Synchronously", and "Back To Start".

The interface is divided into two columns, "Video A" and "Video B". Each column contains a video player showing a scene of people on a lawn in front of a building. Below each video player, there are two rating questions:

Video A

Please rate the video editing
 1 2 3 4 5

Please rate the choice of camera shot

Video B

Please rate the video editing
 1 2 3 4 5

Please rate the choice of camera shot