

# ITP 104 Web Publishing

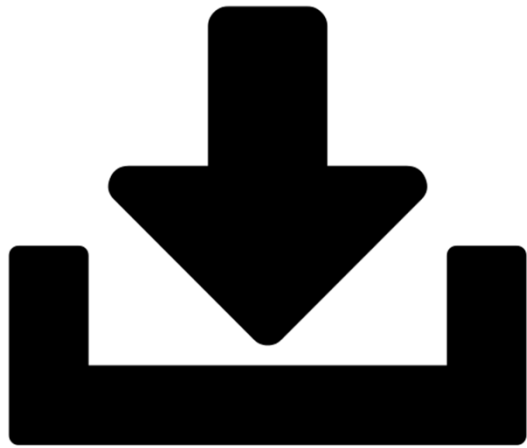


## Lecture 10 iframe, media tags

Sponsored by OFFICE LOREM IPSUM GENERATOR

Spring 2019

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&



## <iframe> tag

Used to embed other HTML pages within current page.

Each iframe is treated as a separate document (page).

Some website prevent being embedded in iframes to prevent **clickjacking**.

Links can be opened in iframes by setting `target` attribute to iframe name.

[https://www.w3schools.com/tags/tag\\_iframe.asp](https://www.w3schools.com/tags/tag_iframe.asp)

```
<iframe src= "mypage.html" name="myframe">
```

```
<iframe src= "http://www.usc.edu" name="myframe">
```



```
<a href= "http://www.usc.edu " target="myframe">
```

## What is clickjacking?

**Clickjacking**, also known as a "UI redress attack", is when an attacker uses multiple transparent or opaque layers to trick a user into clicking on a button or link on another page when they were intending to click on the top level page. Thus, the attacker is "hijacking" clicks meant for their page and routing them to another page, most likely owned by another application, domain, or both.



`<video>` media tag

## **`<video>` tag embed media into the page**



- webm (video & audio)
- ogg (video & audio)
- mp4 (video & audio)

`<video controls>`

`<source src="somevideo.webm" type="video/webm">`

`<source src="somevideo.mp4" type="video/mp4">`

Your browser does not support the video tag, time to update.

`</video>`

Other Attributes: `autoplay`, `height`, `loop`, `muted`, `poster`, `preload`, `width`

## Mime Format and Types

Format	Description	MIME type
mp4	MPEG 4 files with H264 video codec and AAC audio codec	video/mp4
webm	WebM files with VP8 video codec and Vorbis audio codec	video/webm
ogg	Ogg files with Theora video codec and Vorbis audio codec	video/ogg

## Media tag attributes

Attribute	Description	Example
autoplay	Specifies whether video/audio automatically plays when page loads	<code>&lt;video src="..." autoplay&gt;&lt;/video&gt;</code>
controls	Specifies whether video/audio controls are available (play/pause, volume, etc.)	<code>&lt;video src="..." controls&gt;&lt;/video&gt;</code>
loop	Specifies whether video/audio automatically plays again from start once finished.	<code>&lt;video src="..." loop&gt;&lt;/video&gt;</code>
muted	Specifies whether video/audio is muted by default.	<code>&lt;video src="..." muted&gt;&lt;/video&gt;</code>

[https://www.w3schools.com/tags/tag\\_video.asp](https://www.w3schools.com/tags/tag_video.asp)

`<audio>` media tag

## **`<audio>` tag embed audio into the page**



- webm (video & audio)
- ogg (video & audio)
- mp4 (video & audio)
- mp3 (audio)
- wave (audio)

`<audio controls>`

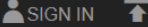

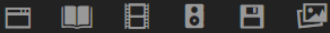
`<source src="somevideo.webm" type="audio/webm">`

`<source src="somevideo.mp4" type="audio/mp4">`

`</audio>`




# Wayback Machine - <https://archive.org/web/>



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INTERNET ARCHIVE




Explore more than 349 billion [web pages](#) saved over time

BROWSE HISTORY

Find the Wayback Machine useful? [DONATE](#)






Tools

[Wayback Machine Availability API](#)  
Build your own tools.


[WordPress Broken Link Checker](#)  
Banish broken links from your blog.

[404 Handler for Webmasters](#)  
Help users get where they were going.



Subscription Service

Archive-It enables you to capture, manage and search collections of digital content without any technical expertise or hosting facilities. [Visit Archive-It to build and browse the collections.](#)



Save Page Now

SAVE PAGE

Capture a web page as it appears now for use as a trusted citation in the future.

Only available for sites that allow crawlers.

## Final Project Overview – Main Requirements

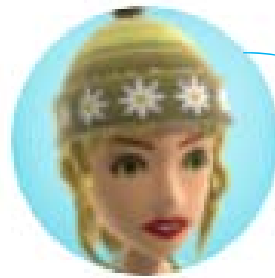
1. Pass validation
2. Prepare a PDF Document or HTML page sharing about the site
3. Original Layout, no online templates allowed
4. Consistent Design
5. Good balance between text and graphics
6. Three(3) DISTINCT pages (not including document above #2)
7. Navigation consistent and works
8. CSS external or internal, no inline
9. <meta> tags used
10. Good User Interface (UI)
- 11. Two(2) Extras (form, responsive, iframes, media, plugin, transitions)**

# EXAMPLES

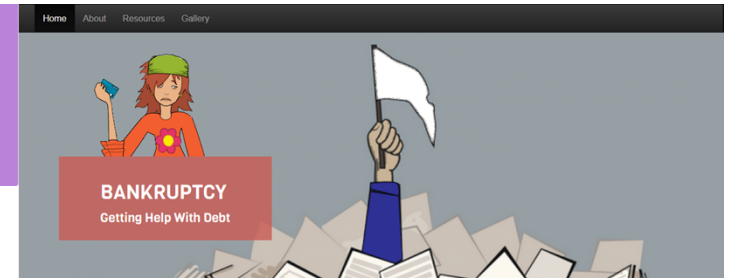
Example 1

Example 2

Example 3



*my final project*



## Bankruptcy Timeline



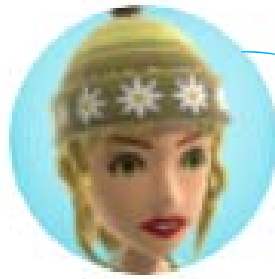
Bankruptcy Is A Respectable Option

# EXAMPLES

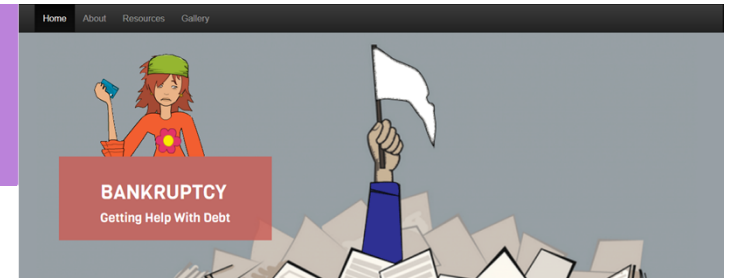
Example 1

Example 2

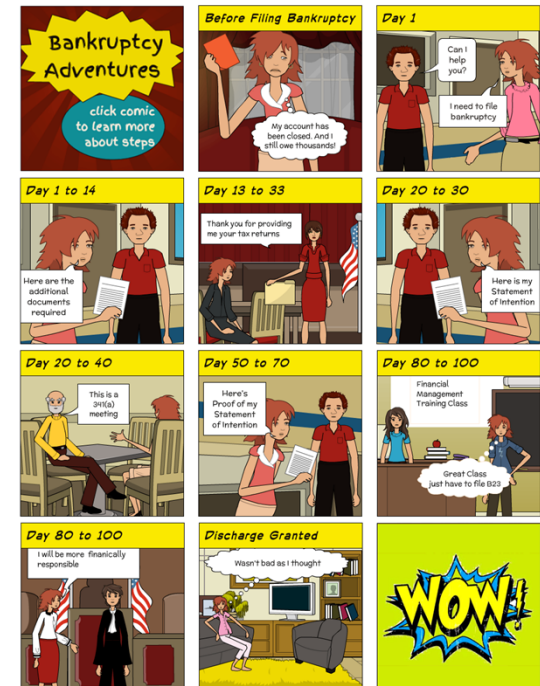
Example 3



*my final project*



## Bankruptcy Timeline



Bankruptcy Is A Respectable Option

## What is UI?

the **user interface (UI)** is process of making interfaces with a focus on looks or style. Designers aim to create designs that users will find easy to use and pleasurable. UI typically refers to graphical user interfaces.

The growing dependence of many companies on **web applications** and **mobile applications** has led many companies to place increased priority on UI in an effort to improve the user's overall experience.

## What is UI - VIDEO

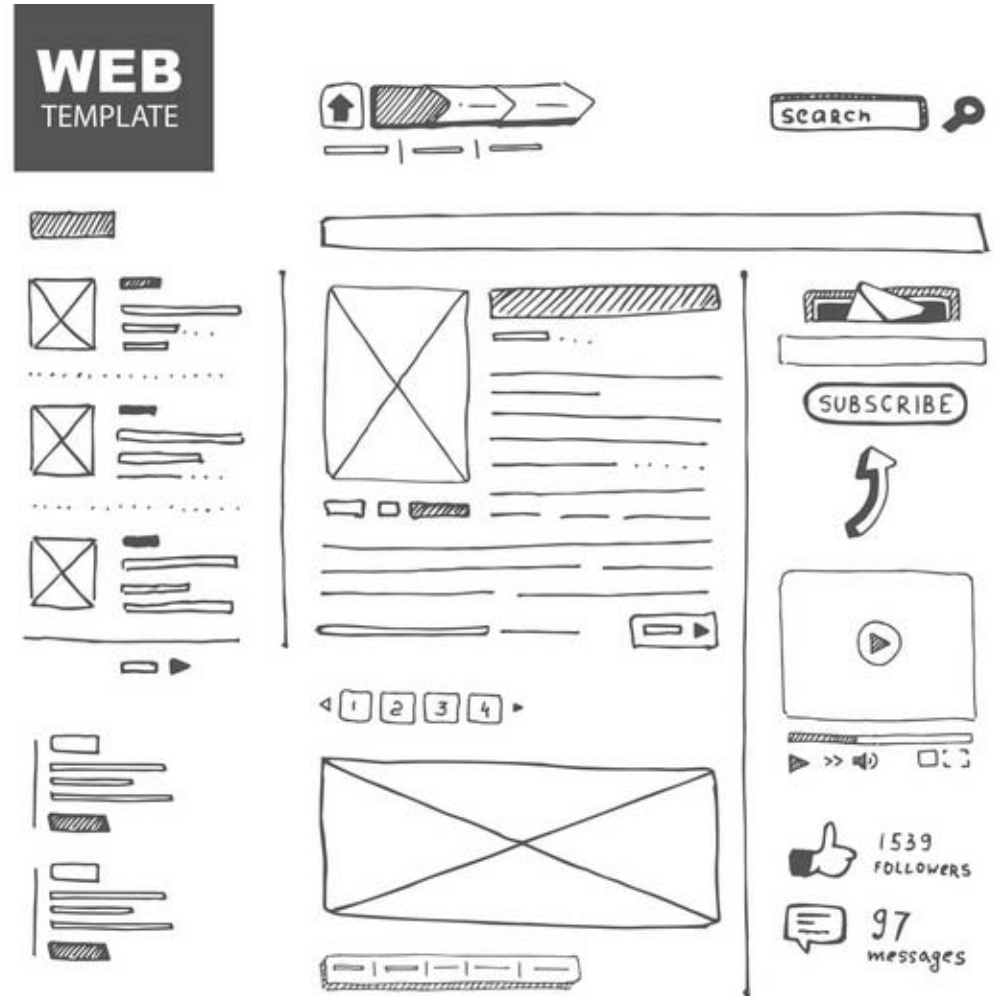
# USER INTERFACE ESSENTIALS

<https://youtu.be/WtoK7BzalsA>

## What is Wireframe?

Wireframing is a way to design a website service at the structural level. A wireframe is commonly used to lay out content and functionality on a page.

Wireframing is  
essential in UI  
design



## Wireframe Options

### Sketch

<https://www.sketchapp.com/get/>

30 day free trial

### Moqups

<https://moqups.com/>

FREE, Account setup required

### Google Drawing

<https://docs.google.com/drawings/>

FREE

### MockFlow

<https://www.mockflow.com/>

FREE, Account setup required

### 11 Best Website Wireframe Tools in 2018 for UX/UI Designers

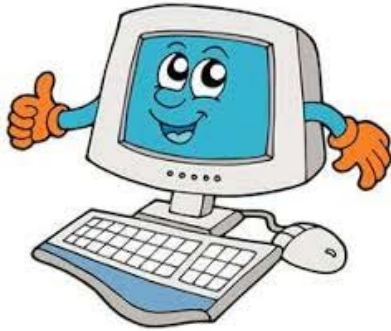
<https://www.mockplus.com/blog/post/website-wireframe-tool>



## **Assignment 7:** Final Project Proposal/Final Project Assigned



- Create an HTML page about your final project proposal.
- Upload completed lab to *aludra* server to *assignment7* folder
- Link it on your Student Page



## **Lab 9:** Page with Media

- Create a landing page for a product, service, or organization of your choice
- Add either a video or audio to the page
- Upload completed lab to *aludra* server to *lab9* folder
- Link it on your Student Page