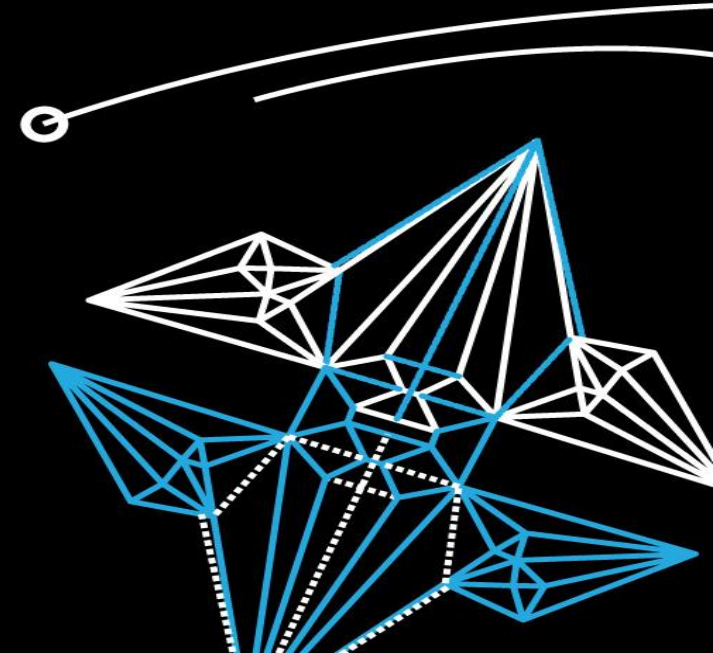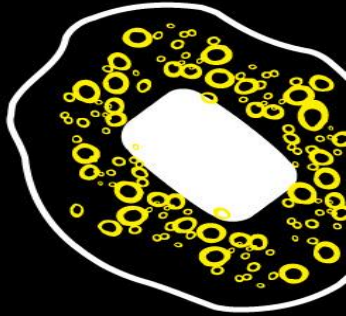UNIVERSITY OF TWENTE.

WEB TECHNOLOGY

TUTORIAL SESSION #5 FOR "WE CREATE IDENTITY"

Module 1 - We Create Identity

WEB TECHNOLOGY
CONTENT OF THIS LECTURE

- Usability

- More on jQuery

- Integrate: Social media, image viewer, slideshow

- No lecture next week: next and last session on Oct. 12/14th

I can not see your comments, messages etc. on Canvas. So please **use e-mail** (f.vanslooten@utwente.nl) **or chat** to communicate!

Chat outside of lecture-hours? Leave your e-mail, otherwise we cannot answer!

Need help? Chat with us

CONTENTS OF THIS COURSE
ACTIVITIES OVERVIEW

Online presentation + work on your site with help/do assignments

Two sessions a week: Monday and Wednesday afternoons
All sessions will be online, except for the intro

	Date	Subjects
1	31 Aug./2 Sep.	Intro, editorial process, create first webpage
2	7/9 Sep.	Basics of HTML and CSS, editorial process, Blog, introduction to WordPress
3	14/16 Sep.	HTML and CSS, design guidelines, using and customizing WordPress themes
4	21/23 Sep.	Introduction to JavaScript & jQuery, advanced WordPress topics
5	28/30 Sep.	Advanced techniques, jQuery plugins, social media integration
6	12/14 Oct.	Test & evaluation, peer review

DESCRIPTION OF PORTFOLIO ITEMS

Assignment #4

- Portfolio texts: show (for instance) how <u>you</u> contributed to the project, or what <u>skills</u> where involved to create it

- What could be your *'personal touch'* of the design in a template/theme/stylesheet? One or more from:
  - Own header/main image/icon/logo
  - Changes in layout/positioning
  - Changed font(s)
  - Well defined (new) color-scheme/palette
  - Individual/special styling of elements

Have at least 2 changes, <u>describe them</u> (include code examples) in your Blog!

HEX: #deeaee
HEX: #b1cbbb
HEX: #eea29a
HEX: #c94c4c

USING DEFAULT TEMPLATE/THEME NO LONGER ACCEPTABLE??

SHOW YOUR ARTISTIC SKILLS BY ADDING A *'PERSONAL TOUCH'*...?

Assignment #4

- In **WordPress**, you can keep the **theme** you have, but:
- You must make (at least 2) changes to the theme
- E.g. by adding your own style (css) via "Additional CSS" option of the theme

Do not forget to show 2 examples of how you realized this (with CSS code)!

demonstrated in lecture 3

- If you use a **template** (e.g. from W3Schools), show you can change its style by adding your own (external) stylesheet

- If you **developed your own site** (wrote HTML and CSS yourself): you're good, you already have a site with full 'personal touch' > *but*
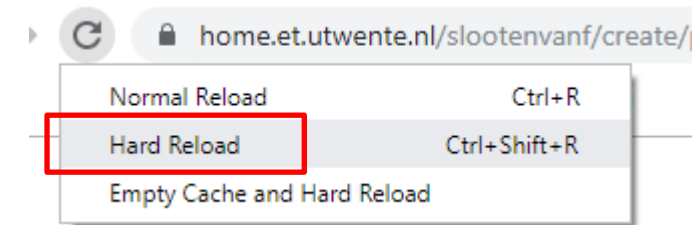
UPLOAD & TESTING

Assignment #4

- **Test after upload**!

- Do an upload **during lecture**: so we can help you

- Hard Reload of webpage
  - After an upload to the site, it might be necessary to do a 'hard reload' of the page before you see any changes:
  - Open Developer tools of browser (right click, choose Inspect...).
    Then right click the refresh-icon and select Hard Reload (or CTRL+SHIFT+R in Chrome)

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USABILITY: GRAPHICAL DESIGN
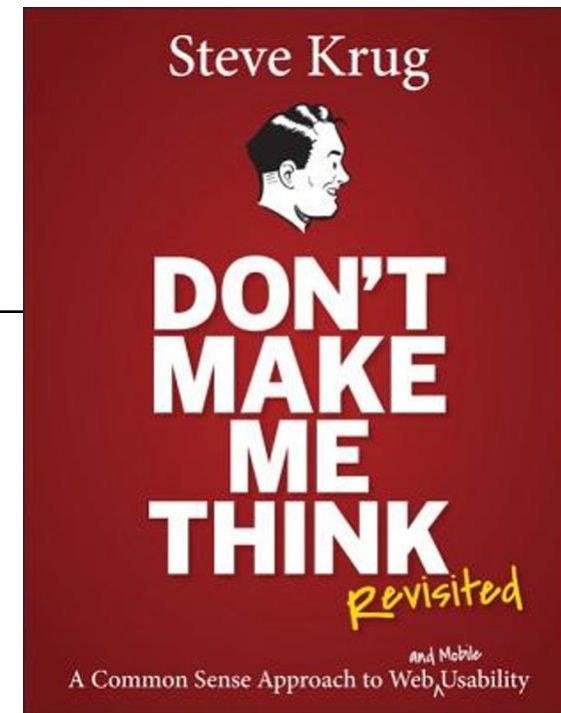DESIGN ELEMENTS

- Navigation Aids (links, icons)
- Structure (menu, sitemap)
- Simple, Consistent
    - Entire site same look & feel
- Accessibility
    - Text, Graphics, Audio & Video   `<img alt="Description..."`
- Feedback Mechanisms
    - Value your visitors: enable them to leave comments

USABILITY
DON'T MAKE ME THINK

- Titles, headlines: accurate description
- Organize content in a neat, logical order. Make pages clear and orderly. Be brief, if possible.
- Buttons, menu items
  - Make their intended use obvious. Don't use button titles that are long. If it's a search button, call it "Search". If the button is used to send e-mail, call it "Send".
- Search Features
  - Keep it simple
  - Hide advanced features

USABILITY
FACTS OF LIFE

Your visitors…

- Don't Really Read Pages
  - Trial & Error, visit in a hurry… no time… scan pages
- Don't Make Optimal Choices
  - Guessing, click around…. <back button
- Muddle Through
  - No time to read instructions… Click till they find…
    or: frustration sets in, leave site

"Design pages for scanning, not reading"

>TRUNK TEST<

30sec

Image that you've been blindfolded and locked in the trunk of a car, then driven around for a while and dumped on a page somewhere deep in the bowels of a Website. If the page is well designed, when your vision clears you should be able to answer these questions without hesitation after 30 seconds:

- What site is this (Site ID)
- What page am I on (Page name/title)
- What are the major sections of this site (Sections)
- What are my options at this level (Local Navigation)
- Where am I in the scheme of things? ("You are here" indicators)
- How can I search?

Site ID

Sections/main navigation

"You are here" indicators

Search

FASHION   DESIGN   ARCHITECTURE   ARTS   **AUTOS**   LUXURY

Can Mexico's first supercar compete with the best?

Page name (title)

Local navigation
↓

The 81-year-old woman pimping BMW's rides

The secret passions of a Michelin-starred chef

This 'hands-on' drone looks straight out of a sci-fi nightmare

By **Euan McKirdy**, CNN
Updated 0851 GMT (1651 HKT) September 13, 2016

Important

Source: CNN

This coveted skill commissions thousands a day 02:30

Story highlights

Six-rotor, two-armed clawed drone released by Japanese UAV maker

(CNN) — Its makers insist that it has numerous, practical applications, but a new offering from Japanese commercial UAV maker Prodrone looks like something out of a dystopic sci-fi movie.

Top stories

AS Monaco FC: The team that nobody goes to watch

MH17 report: Plane downed by Buk missile from Russia

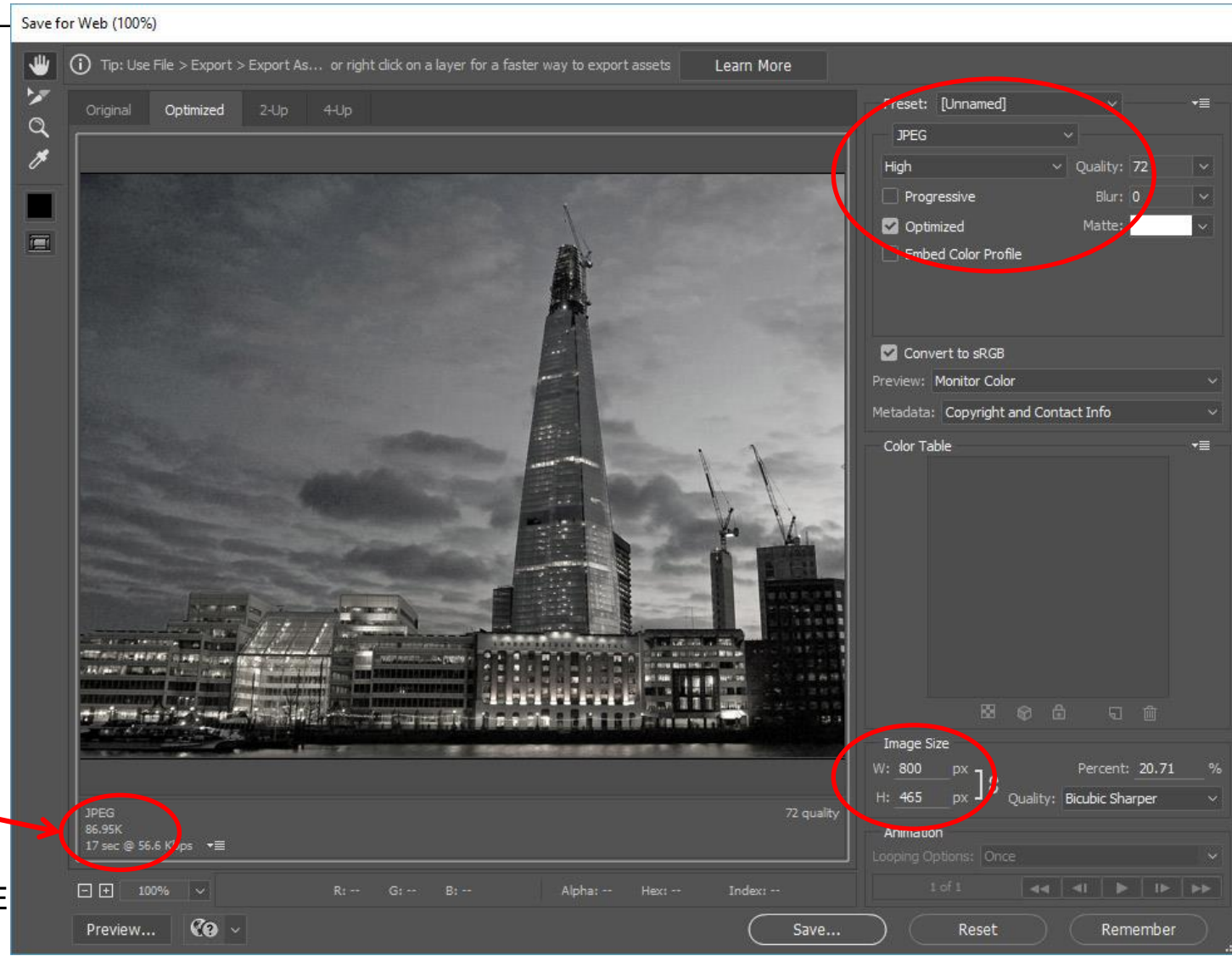# PREPARE IMAGES FOR USE ON A WEBSITE
PHOTOSHOP: FILE > EXPORT > SAVE FOR WEB

- Scans, photos: JPEG
- Max. width 1000px
- Compression: Medium or High
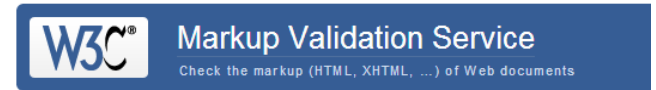
Images with transparency? Use **PNG**

Result < 200K

TEST YOUR WEBSITE

W3C® **Markup Validation Service**
Check the markup (HTML, XHTML, ...) of Web documents

- Use multiple browsers and have someone else review it

- validator.w3.org
  - Errors about ALT-tags are less important
  - You can ignore most of the warnings

- Browser:
  - Right-click, Inspect Element
  - Developer tools (Ctrl + Shift + i or F12)

Is your web page mobile-friendly?

Enter a URL to test

RUN TEST

search.google.com/search-console/mobile-friendly

GTmetrix, Screenfly

mobile view

Elements Console Sources Network Performance Memory Application Security Lighthouse AdBlock

(new report)

Generate report

Identify and fix common problems that affect your site's performance, accessibility, and user experience. Learn more

Categories   Device
☑ Performance   ○ Mobile
☑ Progressive Web App ⦿ Desktop
☑ Best practices
☑ Accessibility
☑ SEO
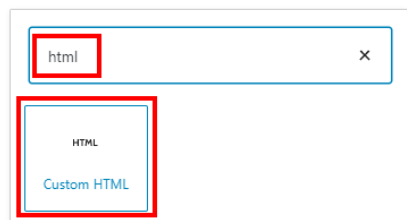
Community Plugins(beta)

PROCESSING

1. Include processing script
2. Add a canvas and link its `id` with `data-processing-target`
3. Write the script

WordPress?
Add this code
as HTML Block

+

| html | × |

HTML
Custom HTML

1)
```
<script src="https://cdnjs.cloudflare.com/ajax/libs/processing.js/1.6.6/processing.min.js"></script>
<script type="application/processing" data-processing-target="pjs">
    void setup() {
        size(200, 200);
3)      background(100);
        stroke(255);
        ellipse(50, 50, 25, 25);
        println('hello web!');
    }
</script>
2) <canvas id="pjs"></canvas>
```

how to include a **.pde** file

codepen.io/vanslooten/pen/pjRorq

ASSIGNMENT
PEER REVIEW

#5

1. Write a Peer-review on the site of one other student
   - [Use this webform](#) (link will be available at Monday Oct.12th 9:00h)
2. Write on your Blog: a summary of your review, including:
   - A link to the Showcase Portfolio you reviewed
   - Reflection (what did <u>you</u> learn from reviewing?)
   - Analyze one of the pages of the site you reviewed: explain how the page was made (provide [technical details](#))

The summary on your Blog will be public: so <u>be polite</u> and remove sensitive details that might be in the review.
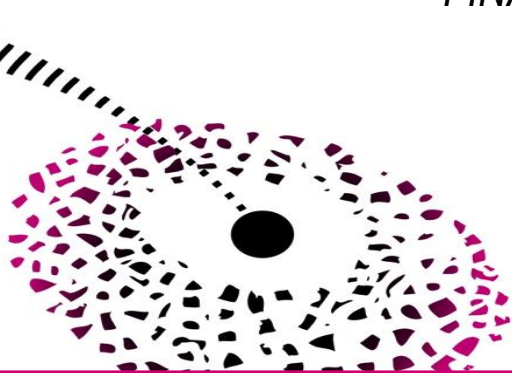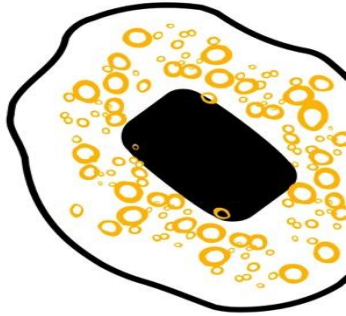
Be aware that there are some sites which are not publicly accessible: you must visit them from the university network or use a [VPN connection](#).

You must do the review between Monday Oct 12th and Wednesday Oct. 14th.

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NEXT WEEK

NO LECTURE (NEXT & LAST LECTURE: OCT 12/14TH)

FINALIZE SITE, ADD PROJECT RESULTS TO SHOWCASE PORTFOLIO

Fjodor van Slooten
Horstring W241 (Horst building)
f.vanslooten @utwente.nl

Need help? Chat with us

Student assistants:
Benedetta Cervone & Jesse Visser