

Multimedia Project

Build a hybrid website, mobile web application or native mobile application using some of the techniques we've been using and will be using in this course.

Project

The project is divided in two parts. Part I is for 6 credits (hp) and Part II is for 1,5 credits. DG-students only need to do Part I.

Part I

Create a fully functional front-end (no database or server connectivity needed) with a clear purpose and correctly executed markup, CSS and JS. The goal is to design for mobile. It can be a mobile first responsive design, mobile only or a native app for Android and other platforms (iOS is tricky because it demands a developer licence).



Design will not be rated still I suggest you design it carefully. You may not use a CMS (Wordpress etc) for this part. It should be your own HTML and CSS. However you may use predefined Javascript Libraries such as jQueryMobile.

Part II

Set up and design a Wordpress site with at least two pages, a start page and a page with contact information. The purpose of this site should be to market your mobile (web) app.

You may use a premade theme or design your own.



Documentation

Each group will write a short report showing their design process from wireframes to completed "app". Describe your target audience and the considerations you've made match that audience. Also describe the techniques you've used.

Presentation

After consulting with some of the students in this course I've decided that a presentation will not be necessary. Instead you will do two things.

1. Post a link to your app in Pingpong- Discussions- Project. Write down the names of all group members. Attach the documentation as well.
2. As a group pick another groups project (one that has not yet received any feedback). Give constructive feedback on what you liked and disliked and why.

Grades

Heres a list of mandatory features for each grade

Grade 3

- Valid HTML5 markup
- Valid CSS code
- Audio and/or Video using HTML 5
- Interactivity using JavaScript
- Mobile view without the need to zoom.

Plus One of the following:

- CSS3 transitions
- CSS3 transforms
- CSS3 @fontfamily fonts with fallback font families.
- CSS3 gradients
- CSS3 Text- Boxshadows

Grade 4

- Meet the goals for Grade 3
- Two features from the advanced list

Grade 5

- Meet the goals for Grade 3
- Four features from the advanced list

The "advanced list"

Building responsive layout using media queries

Geolocation

localStorage/sessionStorage

2D canvas with animation and user interaction

Web sockets

Cross document messaging

Drag and drop

Some ideas

To-do list using local storage

Portfolio

Canvas game

Fictional campaign site

Other techniques in mind? Send me an e-mail and describe what you have in mind and i can approve your project.

Deadline

October 11