

## Define and prioritize objectives of the website

- What is the purpose of the site?
  - We would like to create a video player for handicapped persons, who can't operate the browser with their hands. The mouse should be replaced with an eye tracker. This solution offers these persons to control the browser (video player) only with their eyes. Additionally we would like to use the GSR shimmer to measure their pulse. Furthermore a BCI should enable the analysis of the emotions. These measurements should be used for research.
- What are the goals of the site?
  - Control a video player with eye movements (and head movements)
  - Offer a web application for handicapped persons
  - Gaze controlled browsing the web
  - Interactive web application (e.g. voting function)
  - Analyze the behavior of a user – Who long and how often does he look away?
  - Analyze BCI and GSR Shimmer

## Features and functions

- Basic playback, including play/pause, seek (suchen), time display
- Video frame
- Volume control
- Normal and full screen display
- Repeat
- Adjustment
- Rating
- Features of videos can be done by hands, head and eyes
  - I think we should not use the hands for features of videos. The reason is that we suppose that people can't use their hands to operate with the browser. It would be an objection. Another reason is that it could be exhausting to keep the finger still for some minutes. Furthermore people can move their fingers while they didn't want it (illness etc.).

## Conduct user research

Who are your users and why are they using the system? What behaviors, assumptions, and expectations color their view of the system?

## Personas

Personas are an effective tool to help you design a web application that's appropriate for your target users. A persona is a representative model of a core user type, in the form of a profile of a specific fictional person. Usually, the majority of your target users can be boiled down to a few key personas. Each of these will represent the needs of a larger group of users, allowing you to focus on discrete personalities rather than thousands of diverse individuals. Personas are easy to visualize, remember and discuss with your team.

- Represent a major user group for your website
- Express and focus on the major need and expectations of the most important user groups
- Give a clear picture of the user's expectations and how they're likely to use the site
- Aid in uncovering universal features and functionality
- Describe real people with backgrounds, goals and values

-Think about the information architecture, navigation and user guidance

-Approach the design (create (dynamic) wireframes), maybe also color scheme

Is a content management system a good idea?

- Wordpress: Blogging- or News-portal
- Joomla: Object-based; MVC; good for small to big websites, dynamic content
- Typo3: difficult
- Drupal: not secure

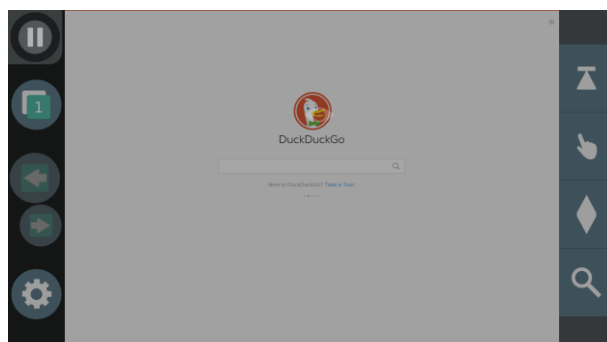
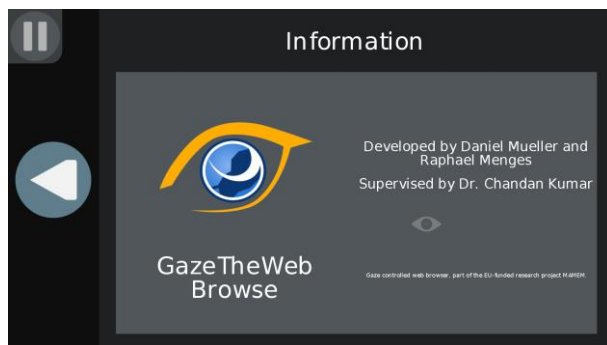
How dynamic should the web application be? Responsive?

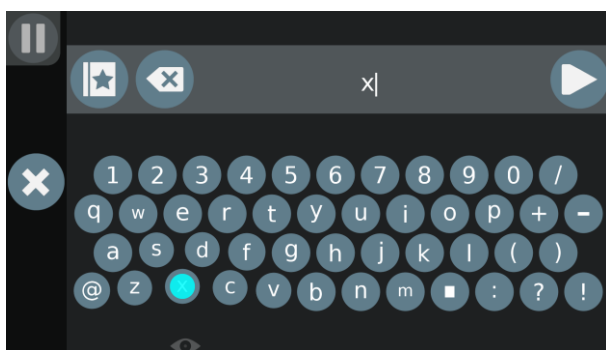
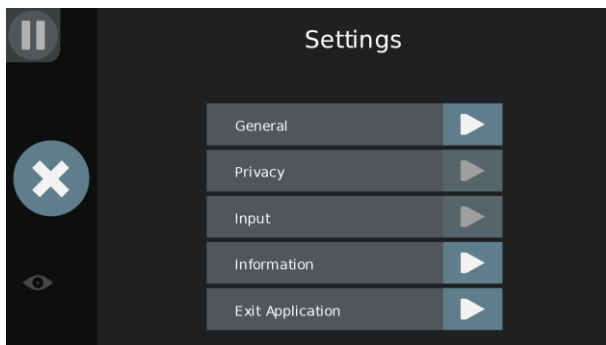
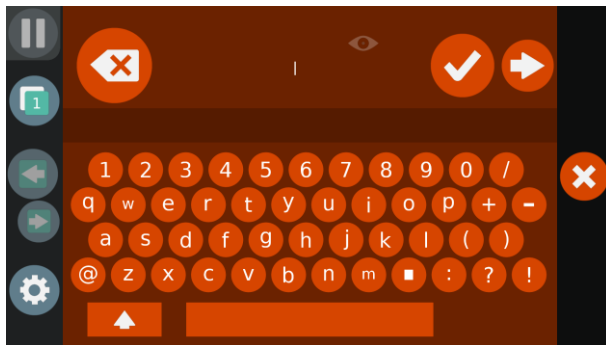
A responsive design is not necessary. We will use an eye tracker. Therefore it is essential that we will use bigger elements (e. g. buttons) than in a normal web application. If we would use our web application on a mobile phone we would not have the possibility to connect it with the hardware devices like the eye tracker, GSR shimmer and BCI.

HTML-files:

- index.html
- searchResults.html
- videoPlayer.html
- settings.html
- exit.html (yes/no)
- ...

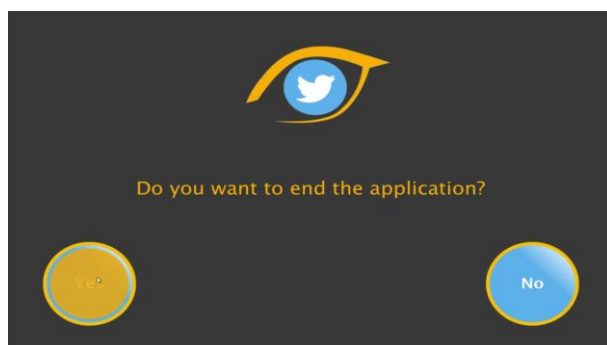
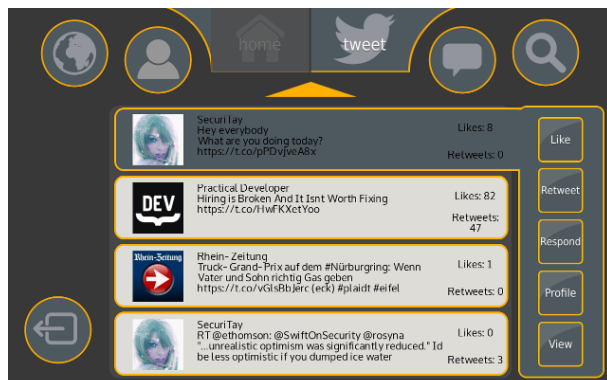
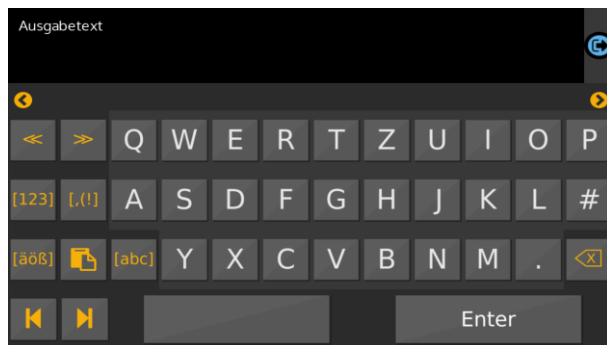
Browse





## Twitter





Our logo should look like:



TODO:

Ideas:



<http://store-images.s-microsoft.com/image/apps.8040.13510798886410029.0e1671cc-c714-4198-873e-745888208c29.02f65d9d-74c9-4e32-92e5-502450e2f346>



<http://i0.wp.com/www.meetchrome.com/wp-content/uploads/2015/05/video-player-new-icon.png?resize=261%2C243>