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Report on Website Structure





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Executive Summary

The present document is a deliverable of the EasyReading project which is funded by the European Union's Horizon 2020 Programme und Grant Agreement #780529.

This document gives an overview on the website structure of the EasyReading project, which can be accessed using this URL: www.easyreading.eu. The website was made with WordPress and is hosted on a webserver located in Linz, Austria operated by the JKU.

The design of the webpage is responsive, scaling on multiple devices. To guarantee the accessibility of the EasyReading website the Web Content Accessibility Guidelines (WCAG 2.0) of the W3C have been followed to the level of AA.

The pages of the website give detailed information on the project and the outcomes. The system also supports internalization and hosts a small forum that allows to exchange ideas with users of the system, supporters, companies and researchers that want to contribute to the EasyReading project.

Data privacy is of utmost importance to the EasyReading project, therefore the user is always informed on the data privacy policies of the web-page, and is informed which cookies are used and why.

To measure dissemination success of the project statics are made, the number of active users and in which country they accessed the page are tracked and evaluated.



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Introduction

A website to disseminate and promote information, results and applications of the EasyReading project on the World Wide Web has been created. The website is hosted on a server at JKU and also administered by the JKU. The creation of content and news on the webpage is mainly managed by TUDO and JKU.

The webpage can be reached via the following URL:

<http://www.easyreading.eu>

Figure 1 shows the site's design using the start page as an example.

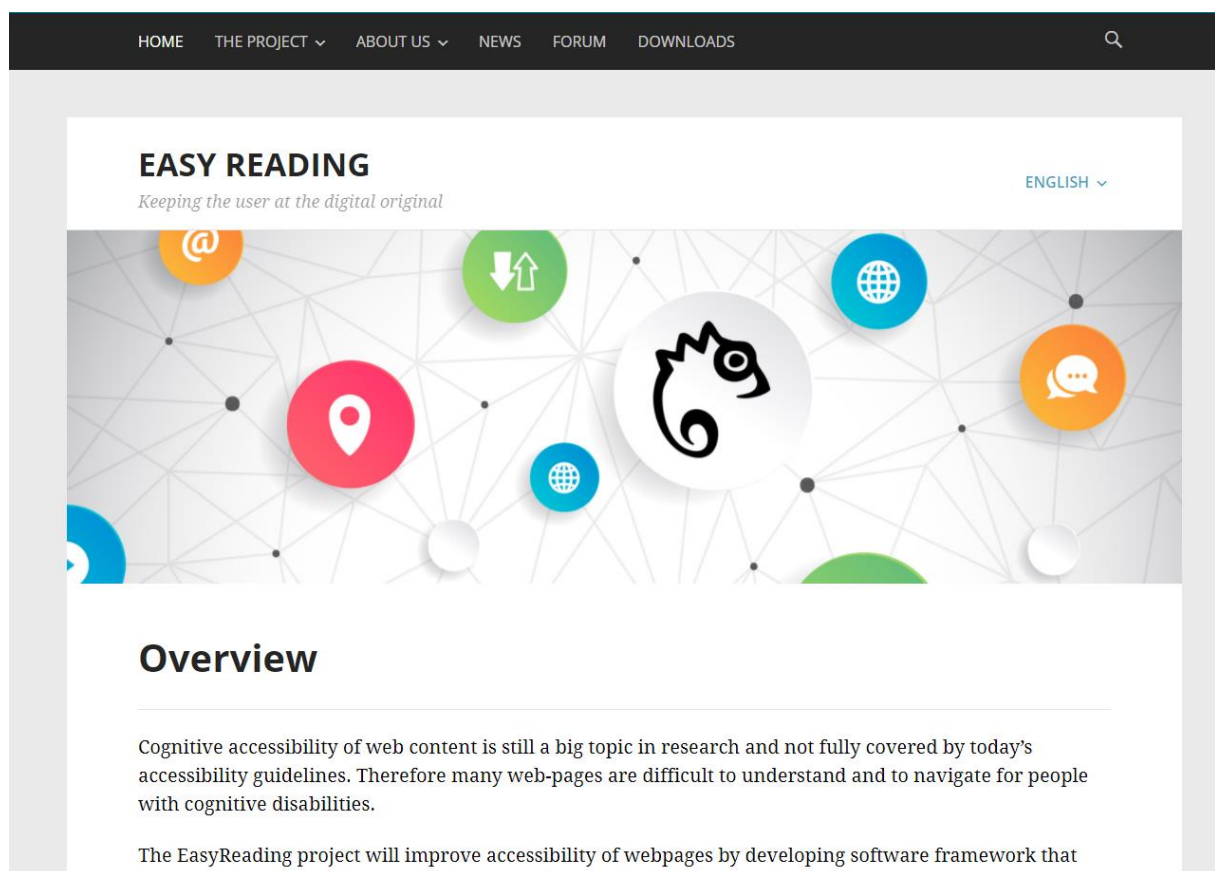


Figure 1 the site's design using the welcome page as an example.

This document is a very brief outline of the main points/thoughts, as most of the site and the content is self-describing and needs no further comment.

Contents

Technical Infrastructure

As mentioned in the introduction the webpage runs on a server of/at JKU, Austria – the website itself is made with WordPress (<https://wordpress.org>) making it very easy and fast to be updated and maintained. WordPress itself is based on PHP which runs on an Apache server using a MySQL database.



Page Structure

Responsive Design

During creation, a first, mobile approach was chosen. This leads to a difference in rendering depending on the screen in use. Currently the theme supports 1 desktop layout and two mobile layouts.



Figure2: High resolution mobile view left and low resolution mobile view on the right

Figure 2 shows the rendering of the webpage on a mobile device with high resolution and with low resolution. The current breakpoints for switching the layout are 1024 pixels for high resolution mobile devices and 540 pixels for low resolution mobile devices.

Page regions

This section describes the different regions implemented in the web-page sorted from first elements rendered in the page to the elements rendered later / at last.

Skip to content link

As a key requirement for accessibility, a hidden skip to content link is provided on top of each page. This link gets visible once it is focused with the keyboard and brings the user to an anchor or target at the beginning of the main content of the web-page. This is especially useful for blind people, people with physical disabilities or people not able to operate a mouse, as they can skip the whole navigation menu.

Navigation Menu:

The navigation menu provides an overview of the website structure and provides links to the most important pages of the EasyReading web presence. At time of writing, the structure was:

- Home
- The Project
 - Structure
 - Workpackages
 - Results
- About Us
 - Consortium
 - Contact
- News
- Forum
- Downloads



Header

The header hosts the website banner, the title and the tagline of the webpage. Besides that it also hosts the language switcher, allowing the user to toggle between different languages.

Content

Section to display the main content of each page.

Footer:

As required by the EU Commission, the footer hosts an acknowledgement on the funding received, a link to the data privacy policy page and a link to the legal notice page.

Pages

Home

The website's landing page, therefore it provides only a short overview on what the project is about, on goals and aims and work planned. Some graphical elements (all licenses gained) were used to mix up the text and visualise the general idea.

The Project

"The Project"-section describes the project in the form of an abstract, outlines key data and gives an overview on the target group.

Structure

This page describes the structure of the overall project and gives a brief description on how the work packages interrelate with each other.

Work Packages

This section gives in-depth information about each work package within the project.

Results

(Public) Results, outcomes and publications will be displayed here.

About Us

Brief presentation of the project consortium including all partner organisations including their roles in and planned contribution to the project.

Consortium

Description of all consortium members in more detail

Contact

Contains contact details (e.g. postal address, phone number and email address of the project's coordinator) as source for further information or as contact point for comments or suggestions.

News

The "News"-section will be the most frequently updated part of the website. It will contain articles on events and information about reached milestones. Any form of dissemination activity will be mentioned, including articles that have been published in newsletters or on other websites.



Forum

A forum was created to communicate and exchange with users, supporters and people that want to get in touch with or contribute to the EasyReading framework. See the section “Forum” for more information.

Downloads

This section contains final versions of all public deliverables as well as press releases issued.

Legal Notice

This page informs the user about the legal aspects of content and copyright on the website.

Data Privacy

This page contains information about the data privacy policy of the website. It informs the user on the cookies that are currently used, why they are used and how the user is able to turn them off. In addition, the user is informed about the website’s server logging activities.

Forum

For discussions on project related topics and open to consortium members as well as to interested guests.



The forum currently hosts 3 sections:

- General topics: Holds feedback on the EasyReading framework and is meant for suggesting new ideas for improvement as well as for getting help and assistance when installing and using the software developed.
- Deutschsprachiges Forum (German spoken forum): Some users might not be able to communicate in English, therefore a German spoken forum section has been installed, providing the same information as the “General topics” section.
- Software & Development: This section deals with all software & development related processes, questions and issues of the EasyReading framework and project.

All sections, topics and posts in these forums are publicly available and readable, but only registered users can create posts and topics. Forum registration is (at the moment) free and open to everybody.

The screenshot shows the EasyReading Forum homepage. At the top, there is a blue header with the forum logo and name 'EasyReading.eu EasyReading Forum'. Below the header, there are navigation links for 'Quick links', 'FAQ', 'ACP', and 'MCP'. A search bar is located on the right side of the header. The main content area is divided into three sections: 'GENERAL TOPICS', 'DEUTSCHSPRACHIGES FORUM', and 'SOFTWARE & DEVELOPMENT'. Each section contains a table of topics with columns for 'TOPICS', 'POSTS', and 'LAST POST'. The 'GENERAL TOPICS' section has two topics: 'Feedback on the EasyReading Framework' and 'Installation, Setup and Configuration'. The 'DEUTSCHSPRACHIGES FORUM' section has two topics: 'Feedback zum EasyReading Framework' and 'Installation, Setup und Konfiguration'. The 'SOFTWARE & DEVELOPMENT' section has three topics: 'Ideas and Suggestions', 'Software development', and 'Plugin Development'. All topics show 0 posts and 'No posts' as the last post. Below the forum structure, there is a 'WHO IS ONLINE' section showing 1 user online and 0 guests. A 'STATISTICS' section shows 0 total posts, 0 total topics, and 1 total member. The footer contains a 'Board index' link, contact information, and a note that the forum is powered by phpBB.

GENERAL TOPICS	TOPICS	POSTS	LAST POST
Feedback on the EasyReading Framework	0	0	No posts
Installation, Setup and Configuration	0	0	No posts

DEUTSCHSPRACHIGES FORUM	TOPICS	POSTS	LAST POST
Feedback zum EasyReading Framework	0	0	No posts
Installation, Setup und Konfiguration	0	0	No posts

SOFTWARE & DEVELOPMENT	TOPICS	POSTS	LAST POST
Ideas and Suggestions	0	0	No posts
Software development	0	0	No posts
Plugin Development	0	0	No posts

Figure 3: Overview of the current forum structure

The used forum software (phpBB, <http://www.phpbb.com>) is a widely used standard software. Unfortunately, phpBB provides only basic accessibility features.

Accessibility

To guarantee the accessibility of the EasyReading website, the Web Content Accessibility Guidelines (WCAG 2.0) of the W3C have been followed to the level of AA. To guarantee that the level of accessibility is kept throughout the project lifecycle, the page is regularly checked by members of the consortium. This is done by semi-automated checks, for example by using an automated tool like the



WAVE tool (<https://wave.webaim.org/extension/>) in combination with manual accessibility checks, as automated checks by far do not cover all necessary requirements of an accessible website.

Internationalization and Language Levels

To include discourse and information for different language skill levels and other countries, a language switcher was implemented. Additionally, the website is currently translated into different languages and there also adapted to different language levels.

We plan to support the following languages:

- English
- Plain language English
- German
- Plain language German
- Swedish

At the time of writing this deliverable the translation of content into German has already started.

Data Privacy

Data privacy is of utmost importance to the EasyReading project. In general, the EasyReading project homepage can be visited without disclosing personal information. However, the use of special services like polls or surveys hosted on this site in the future may require asking for and processing of personal information. This will only be done upon the users' explicit consent.

Cookies

The website www.easyreading.eu uses cookies. Cookies are text files stored on the device and sometimes remain on the device after visiting the website. This allows the system to identify the device during following visits and helps improving the website's content and presentation.

Cookies Used

- Google Analytics: Google Analytics is used to analyse traffic and users on the webpage. Using this technology, data is collected and stored for optimisation of web pages and to track the dissemination success of the project. Easyreading.eu uses analytics with IP address anonymization. Google Analytics anonymizes the address as soon as technically feasible and at the earliest possible stage of the collection network. The IP anonymization feature in Analytics sets the last octet of IPv4 user IP addresses and the last 80 bits of IPv6 addresses to zeros in memory shortly after being sent to the Analytics Collection Network. The full IP address is never written to disk in this case.
- Cookies used by WordPress:
 - Registered members need a cookie to be able to log in. This is 'strictly necessary' as WordPress won't work without it.
 - Visitors who leave a comment on a blog post will also have a cookie set on their computer. This is not "strictly necessary" as it is a user preference.

Informed Consent

To advise users on cookies and their usage, a notification is displayed when visiting the site.

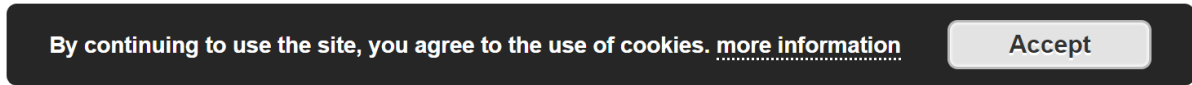


Figure 4: Informed consent form

This dialog allows users to accept the cookies and gives more information following a link that leads to the “Data Privacy” page mentioned above.

Statistics

Google Analytics is used to analyse the website www.easyreading.eu and its traffic. This service is provided by Google Inc., and analyses users and how they interact with the site. Using this data the usability of the website can be analysed and improved. The data also helps to analyse the dissemination success of the project, as Google Analytics also provides an overview on the amount of users active on the website and the countries from where they accessed it.