Redesign and unification of AMCS and its mobile web view

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Abstract

AMCS is an Audience Response system developed by several individuals at the TU Dresden in 2012. Speakers and docents can use it to get immediate feedback from students that participate in live lectures. Its goal is to optimize the way knowledge is presented and transferred to the audience by offering polls for the audience to participate in before, during and after a lecture. For the audience, the system provides several standalone frontend applications for different platforms such as iOS or Android and web. But because of its ease of access, the system is used by the majority of students via its web component across different mobile devices such as laptops, tablets and smartphones. Regarding usability, design and consistency, the challenge lays in these components to provide a unified user interface across all platforms that is intuitive to use.

TODO: fix the category and terms

Categories and Subject Descriptors UI-design [*usability*]: web

General Terms term1, term2

Keywords keyword1, keyword2

1. Introduction

1.1 Motivation

AMCS is an Audience Response system developed by several individuals at the TU Dresden in 2012. Speakers and docents can use it to get immediate feedback from students that participate in live lectures. Its goal is to optimize the way knowledge is presented and transferred to the audience by offering polls for the audience to participate in before, during and after a lecture. For the audience, the system provides several standalone frontend applications for different platforms such as iOS or Android and web. But because of its ease of access, the system is used by the majority of students via its web component across different mobile devices such as laptops, tablets and smartphones. Regarding usability, design and consistency, the challenge lays in these components to provide a unified user interface across all platforms that is intuitive to use.

1.2 Objectives

The main objective of this work is to supply a redesign strategy that when implemented improves the highly used web view of AMCS that is currently in place. Each proposals aims at improving usability of the application while simultaneously keeping a consistent and recognizable interface across all supported platforms. To reach this objective, an analysis of the current state of the application is conducted, identifying weaknesses and inconsistencies in the design. Additionally, relevant existing applications and work are analyzed in order to develop a prototype that uses the existing back end system.

A. Appendix Title

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References

[1] P. Q. Smith, and X. Y. Jones. ...reference text...

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