



Abschlussvortrag Masterarbeit Elham Asadi

„Software development to convert Markdown to SCORM package and PDF“

E-learning has undergone significant evolution since it was initiated. The flexibility and accessibility of e-learning allow for personalized learning experiences. The evolution of e-learning revolves around the concept of standardization and one of its universally well-known tools, SCORM (Sharable Content Object Reference Model). The de facto industry standard for ensuring compatibility between e-learning content and Learning Management Systems (LMS). Among the state-of-the-art tools to create SCORM standard content, supporting content formats such as Markdown, a mostly preferred format due to its version control features, remains a challenge. This thesis proposes the development of software capable of converting Markdown files into SCORM packages and PDFs. The SCORM standard is a bridge to LMS in order to deliver and launch the content and benefit from its features, such as personalized learning and PDFs for its cross-web platform and offline usage. The software ensures that course materials created in Markdown can be simply converted to SCORM for further integration with the LMS. Implementing this software would be ideal for smaller teams while enhancing accessibility and flexibility at a cost-effective price. By enabling the conversion of Markdown to the SCORM standard, content creators can benefit from version-controlled content creation while ensuring the content's compatibility with widely used e-learning standards.

Betreuer der Arbeit: Prof. Dr. Benjamin Leiding, PD Dr. Christoph Knieke

Datum: Montag, 18. März 2024, 16:00 Uhr

Ort: Online-Meeting über BBB

Link: <https://webconf.tu-clausthal.de/rooms/ben-yjv-0uq-l3z/join>