

Introduce low-code tools to innovate your curriculum

How to add hands-on activities using low-code tools like Mendix to innovate in your classroom

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According to Gartner, by 2020,¹ at least 50 percent of all new business applications will be created with high-productivity toolsets. Low-code platforms are booming across a range of industries, and their introduction in industries creates both a challenge and an opportunity for pedagogy. To prepare students for the modern workplace, they should have exposure to the most modern and innovative tools. Professor Knüppfer will share his experience in introducing the platform in his class and the benefits of using low-code tools in the curriculum. Using a high productivity tool like Mendix, students can build and deploy a simple app in as little as a single lecture to full long semester projects. Students build apps like event managers, approval systems or start building solutions from using an Excel sheet within a single lecture. For more advanced classes like Capstone projects and System Analysis and Design students can build fully functioning products and iterate over their projects throughout the semester. The talk will cover how professor Knüppfer is innovating his curriculum using a platform like Mendix and share curriculum resources and hands-on activities for professors.

References

- Knüppfer, W. and Söldner, J.-H. 2019 “Low Code-Plattformen in Lehre und Forschung“
2019 Ansbacher Kaleidoskop (to be published). Shaker Verlag, Aachen, Germany
- Litman, M. and Field D. 2018 “Mendix as a solution for present gaps in computer programming in higher education” Emerging Research Paper in Americas Conference in Information Systems New Orleans, LA, USA
- Mew, L. and Field. D. 2018 “A case study on using the Mendix low-code platform to support a project Management Course” 2018 Proceedings of the EDSIG Conference ISSN: 2473-3857 v4 n4721 Norfolk, Virginia, USA
- Mew, L. and Field. D. 2018 “The course registration app: a low code development scenario to support core IS courses” 2018 Proceedings of the EDSIG Conference research paper, Norfolk, Virginia, USA

¹ Gartner, Magic Quadrant for Enterprise Low Code Application Platforms, 8 August 2019, [Paul Vincent, Kimihiko Iijima, Jason Wong, Mark Driver Yefim Natis]