

# Low Code App Development\*

## Conference Workshop

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The average cost of a software development project ranges from \$434,000 for a small company to \$2,322,000 for a large company[1]. In addition to high costs, 31.1% of projects are cancelled before completion, 52.7% will cost 89% more than their original estimates, and only 16.2% are completed on-time and on-budget[1]. Furthermore, recruiting software engineers has become increasingly difficult as demand is high and supply is low[3]. In a fast-paced world where organizations are struggling to compete, companies are looking for quicker and cheaper ways to meet their software needs. In response, no-code and low-code development platforms (LCDPs) have emerged with the promise that organizations can hire business professionals with no coding experience to build applications[2].

This workshop will provide an introduction to the Mendix App Platform, which uses a visual Model-Driven Development (MDD) approach to rapidly develop applications with little-to-no programming experience. Participants will learn how to build responsive browser, tablet, and mobile applications starting with back-end domain modeling. They will also learn about front-end development, automating business processes with microflows, and ensuring data is valid and consistent. The instructor will provide a brief overview of the platform followed by hands-on activities and lessons learned from the classroom.

## References

- [1] The Standish Group. Chaos report, project smart, 2014.
- [2] Alison DeNisco Rayome. Low-code platforms: A cheat sheet. *TechRepublic*, 2018.

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- [3] Craig Torres. Demand for programmers hits full boil as U.S. job market simmers. *Bloomberg*, 2018.