

Bicycle Rental Application

Kristijan Bogoevski

Graduation thesis · 2025

Mentor: Prof. Dr. Ana Sekulovska Jovkovska

The thesis focuses on the development of a bicycle rental application as a digital solution for simplifying access to urban micromobility. The project begins by defining target users and functional requirements, and then elaborates the architecture, user interface, and key functions required for searching, selecting, and using bicycles. The practical section covers the development and testing of the application, followed by an analysis of the results and opportunities for further improvement. The thesis demonstrates that a well-designed digital solution can simplify navigation through the service, provide a clearer user experience, and support wider bicycle use in urban environments. Directions for future functionalities and further system development are also proposed.

Keywords: Mobile application · Urban mobility · User experience