

IncluSearch: Enhancing Urban Accessibility through a Mobile Platform

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Abstract. *Currently, about 16% of the world’s population is considered disabled in some way¹. IncluSearch aims to be an innovative platform, designed to enhance urban accessibility for these individuals. Utilizing a user-centered design approach, the platform is planned to feature an interactive city map that users can filter according to specific accessibility requirements, such as wheelchair accessibility or accommodations for mental disabilities. The map will show public places like restaurants, bars, museums, etc. Firstly, the platform would focus on Zagreb, Croatia. But later it would expand according to the needs and growth. The paper discusses the technical challenges encountered, such as integrating real-time data and ensuring accuracy of accessibility information. The results of the case study highlight the platform’s expected effectiveness in improving urban mobility for users with disabilities. Furthermore, the paper explores potential funding avenues, including government support², to sustain and expand the platform’s capabilities. By leveraging technology to bridge accessibility gaps, IncluSearch aims to foster a more inclusive urban environment. This paper contributes to the broader discourse³ on accessible urban development and the role of technology in empowering disabled individuals. Lastly, the tools used in this paper include Figma, Visual Paradigm and MilaNote.*

Keywords. Accessibility, Mobile Application, Disabilities, Urban Mobility, Inclusivity, Wheelchair-accessible, Trip Planner, Government Funding, Technology, User-friendly

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