Safe Zone

University of Washington
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ABSTRACT

Author	Lily Aguirre
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Name of Advisor	Arkadi Retik
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SafeZone Ratings is an innovative web-based service designed to provide personalized safety ratings for various locations, leveraging user feedback categorized by gender identity. This project aims to address the growing need for location-specific safety information, particularly for vulnerable communities, by utilizing modern technology and crowd-sourced data. By incorporating real-time user feedback and advanced data analytics, SafeZone Ratings delivers dynamic and accurate safety assessments that adapt to the changing environment. The core functionality of SafeZone Ratings revolves around its user-centric approach. Users contribute to the platform by submitting detailed reviews and safety ratings for different locations, focusing on factors such as lighting, public presence, security measures, and overall sense of safety. This data is then processed and categorized based on gender identity, providing tailored safety insights that reflect the unique experiences of diverse user groups. The project utilizes Microsoft Azure for robust cloud computing capabilities and Microsoft Maps for precise geolocation services, ensuring reliable performance and scalability. By integrating these technologies, SafeZone Ratings offers an intuitive interface where users can easily search for and view safety ratings of locations in real-time. Moreover, SafeZone Ratings fosters a community-driven environment that encourages active participation and continuous feedback, enhancing the accuracy and relevance of the safety ratings. The platform's comprehensive data visualization tools enable users to identify patterns and trends, making informed decisions about their safety. SafeZone Ratings not only empowers individuals to make safer choices but also provides valuable insights for urban planners, local authorities, and businesses to improve safety measures in their areas. Through its innovative approach and
commitment to user safety, SafeZone Ratings aspires to create safer, more inclusive communities worldwide.