

An Approach of Geolocation - Triggered Reminders for Mobile Devices

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This research introduces an innovative solution to a prevalent problem in daily commuting, offering a user-friendly and reliable means for individuals to nap during their journey without the risk of missing their destination. This app, with its smooth integration with the Google Maps application programming interface, this outcome of the study as an application provides users with a dependable way to stay out of scenarios like these. The program uses geofencing to send a timely vibration alert when the user is within a particular distance of their destination. For the best results, users must allow Global Positioning Systems and mobile data because the project uses Google application programming interface credentials to obtain location data. Regarding the aim of this work, its accuracy, and its interpretation, the research focuses on addressing the issue of people missing their destination while napping during their journey. The survey data highlights the widespread commuter challenges and the need for such a solution. The study, based on survey data, highlights the prevalence of commuter challenges and the value of an innovative application that addresses these issues. This application represents a significant advancement in live tracking systems, enhancing commuter well-being. So, this work has limitations, including reliance on GPS and mobile data in areas with poor connectivity, and the solution's effectiveness may be influenced by external factors like unexpected traffic conditions or transportation schedule changes. This demonstrates both technical prowess and a commitment to continual improvement, setting the stage for its potential widespread adoption and positive impact on daily commute experiences.

Keywords: *Mobile app; Tracking; Commuters; GPS; Live tracking*