EasyGo

Real Time Transport Update System

Project Thesis

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The Real-time Transport Update System, Easy Go, is a software system that is intended to give commuters with real-time information regarding various modes of transportation. The system's goal is to supply information that is both accurate and current, including bus and rail schedules as well as delays and cancellations. It does this by utilizing global positioning satellites (GPS) and other tracking technologies to gather real-time data from transportation vehicles, which it then processes and makes available to commuters via a mobile application.

The design, development, and testing of the Easy Go are all discussed in detail inside this thesis. Agile software development, cloud computing, and machine learning are just a few of the cutting-edge software development processes and technologies that were utilized in the creation of the system. The evaluation of the system was carried out utilizing a mix of qualitative and quantitative approaches, such as conducting interviews with users and doing an analysis of the performance of the system.

The findings of the examination indicate that the EasyGo is an efficient and trustworthy system that is able to give commuters with information about real-time transportation. The system was able to process a significant amount of data and deliver changes in a timeframe that was very close to real-time. It was reported by users that the system was simple to operate and that it delivered accurate and up-to-date information. As a result, high levels of user satisfaction were observed with regard to the system.

Easy Go has the ability to improve the experience of commuting for millions of people by minimizing the uncertainty and irritation associated with the delays and cancellations of public transportation. The system can also assist transportation providers in improving their services by supplying them with vital data regarding the utilization and performance of the transportation system. In general, the Easy Go is a promising idea that has the potential to improve public transportation and make commuting a more pleasant experience.

Key Words - Real Time Transport Update, Stake Holders, Mobile Application, GPS

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