ACIT 3855 – Lab 1

Project description and RESTful API

Description

This application is designed to help parents monitor the location of their young children who are not yet ready to use advanced tech devices. It provides real-time location tracking and handles high-frequency location updates, especially during peak times such as school drop-off, pick-up hours, or commutes between activities outside school boundaries. It ensures that parents stay informed about their child's safety and can respond promptly to any unexpected situations.

The requests are stored to allow the following:

- Location tracking: view your child's location throughout the day, including movements to and from school or activities
- Alerts and notifications: receive instant alerts if your child is in an unexpected location, experiences a delay such as late arrival or departure, or needs your assistance in an emergency
- Historical data: access a detailed history of your child's movements over a specific period

Users of the system are parents/guardians, the primary users who monitor their child's location and receive alerts. and administrator who will be responsible for handling administrative tasks and resolving issues.