# Project: eGo Bus (School Navigation)

### Project Overview

The eGo bus school navigation system aims to optimize school bus routes and operations, enhance the safety of students in transit, and provide real-time updates to parents and administrators.

### My Role

UI/UX Designer

### The Team

Two members: myself and my friend.

### Duration

Four months

### Tools

Figma

### Problem Statement

The inefficient management of school bus routes and operations leads to potential delays, suboptimal resource utilization, and a lack of real-time visibility into student safety during transit. This problem poses challenges for school administrations, parents, and student safety officials.

### The Process

Our design process followed these key stages:

1. **Empathizing:** Understanding the needs and pain points of parents, administrators, and drivers.
2. **Ideating:** Brainstorming potential solutions and features.
3. **Research:** Conducting user research and competitive analysis.
4. **Prototype:** Building high-fidelity, interactive prototypes.
5. **Wireframe:** Creating low-fidelity sketches and blueprints.
6. **Usability Study:** Testing the prototype with users to gather feedback and refine the design.

### The Solution

The eGo bus school navigation system provides a comprehensive solution featuring real-time GPS tracking of school buses, efficient route optimization, secure communication channels between parents, drivers, and administration, and robust safety monitoring features.

### Outcomes and Impact

The eGo bus system is expected to positively impact the daily operations of school transportation. Key outcomes include enhanced user-friendliness for parents, administration, and drivers, ensuring a smooth and efficient operation. Users will find the application intuitive to use, driven by smooth animations and an excellent UX, fostering a positive user experience. Furthermore, the project is anticipated to improve the feasibility of implementing similar smart transportation solutions in the future.