

Project Proposal

Product Name: New Bus Management System

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1 Overview

1.1 Purpose

The new Bus Management System aims to digitize and optimize bus operations, including route management, scheduling, tracking, and reporting. It serves both passengers and administrators to ensure efficient, transparent, and reliable transport services.

1.2 Goals

- Provide a user-friendly interface for passengers to view routes and track buses in real time.
- Enable administrators to manage buses, routes, drivers, schedules, and reports.
- Increase efficiency by reducing manual scheduling.
- Improve transparency and trust through live tracking and digital receipts.

2 Target Users

User Type	Description
Passenger	End-user who tracks buses and is visible to drivers.
Driver	Operates the bus and updates route status.
Admin / Operator	Manages system operations.

The new Bus Management System will be developed as a web application to ensure easy accessibility from any device with an internet connection.

3 Used Technologies

- for **UI/UX** will be Figma
- for **Frontend** will be HTML, CSS, Bootstrap and JavaScript
- for **Backend** will be .Net Framework
- for **Database** will be PostgreSQL