SOFTWARE REQUIREMENTS SPECIFICATION

for

FUEL MILEAGE TRACKER

Version 1.0

Prepared by
Shafayat Alam Fahim (2211645)
Computer Science and Engineering
School of Engineering, Technology and Science
Independent University, Bangladesh

Submitted to : Shanjita Akter Prome
Designation
Computer Science and Engineering
School of Engineering, Technology and Science
Independent University, Bangladesh

Contents

1 Introduction

1.1 Purpose

The purpose of this document is to define the software requirements for the development of the Fuel Mileage Tracker, a web-based application that allows users to calculate and monitor the mileage of their vehicles based on fuel refill records. This SRS outlines both functional and non-functional requirements, intended for use by the developers, instructors, and stakeholders of the project.

1.2 Intended Audience and Reading Suggestions

This document is intended for:

- **Developers** – To understand the specifications and implement system components.
- **Course Evaluators** – To assess the application against academic objectives.
- **End Users** – Individuals interested in tracking fuel efficiency.

Readers are encouraged to focus on:

- Section 2 for overall understanding.
- Section 3 for system features.
- Section 4 for non-functional expectations.

1.3 Project Scope

The Fuel Mileage Tracker is a responsive-lightweight, user-friendly web application that allows users to maintain a digital log of fuel entries for their vehicles. Users will input details such as fuel volume, odometer reading, and date, and the app will automatically calculate mileage using prior entries. The system stores this data persistently and offers features like updating and deleting entries.

- Input odometer and fuel refill data.
- Automatically calculate and view mileage.
- Edit or delete erroneous entries.

- See a history of all logged entries.

The application uses MySQL for persistent storage and HTML, CSS, JavaScript for the frontend, with PHP for the backend.

2 Overall Description