Technical Documentation for "Car Parking Booking System" Project

# 1. Introduction

This project is a simple PHP-based car parking system designed for managing bookings.   
 It provides both user and admin functionalities to handle parking slots, reservations, and user management.

# 2. Installation

- Set up a local server like XAMPP.  
 - Import the database using park\_mate.sql.

# 3. Folder Structure

- /admin: Admin panel PHP files for managing bookings and users.  
 - /assets: Static files like CSS, JS, and images.  
 - /config: Database connection and configuration.  
 - /includes: Common includes for page layout (header, footer).  
 - /sql: Contains the SQL dump for database setup.

# 4. Database Setup

The database schema is defined in park\_mate.sql. Import this file into your MySQL database to create the necessary tables for parking slots, bookings, and users.

# 5. Admin Panel

The admin panel (admin\_login.php) allows admins to manage user bookings, view parking slot availability, and handle other administrative tasks.

# 6. User Interaction

- Register: Users can create an account via register.php.  
 - Login: Users can log in through login.php.  
 - Booking: Users can book parking slots using booking.php.  
 - Profile: Users can view and edit their profile in profile.php.  
 - Dashboard: View all current bookings and user details.

# 7. Security

The project includes basic login and session management for both admins and users. Admin access is restricted to authenticated users.