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Design and Implementation of a Web-Based Car Sharing System Using React, Python, and MySQL

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Abstract: *The Car Sharing System enables users to book vehicles remotely with ease and flexibility. By registering their personal details, users can create an account and access available vehicles through a fully integrated web-based platform. The system streamlines traditional manual booking processes, offering a user-friendly interface that allows individuals to select vehicles based on preferences such as type, location, and availability. This project aims to provide a seamless, automated solution for urban commuters and travelers to schedule rides efficiently from any location. The application ensures a convenient, scalable, and sustainable approach to personal mobility. The system is structured into three primary modules, detailed further in the introduction.*

Keywords: Car sharing, urban mobility, Django, React, transportation system, sustainability, ride-sharing.

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