

Building a website to support carpooling trips

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Abstract: In the context of the increasing number of private vehicles putting pressure on the transportation system, this topic focuses on building a website to support ride-sharing to reduce the load on urban traffic networks. The objective of the research is to develop a web-based technical solution to optimize the ride-matching process and enhance the efficiency of transport space utilization. The applied methods include analyzing user needs, designing a user-friendly interface, building a database, and implementing a trip tracking and management system. The expected result is to provide a useful tool for users to easily connect with others sharing the same route, thereby reducing the number of private vehicles on the road and contributing to environmental protection.

Keywords: Website supporting carpooling, urban transportation, web application, shared trip management