

Research on C# programming language to build passenger car scheduling software

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Abstract: In the context of the rapid development of information technology, the effective management and scheduling of passenger bus systems are becoming urgent. This topic focuses on researching and applying the C# programming language to build a passenger bus scheduling software system aimed at optimizing operational performance, improving service quality, and reducing operating costs. The approach includes requirements analysis, design, and experimental implementation. It is expected that the development of this system will make a significant contribution to the road transport industry, improving management efficiency and customer experience.

Keywords: C#, passenger scheduling software, transport management, object-oriented programming, transport information system