Constraints

The car rental project has some rules(limitations) it needs to follow. First, there's a budget of R700000 for everything including building the system and buying any licenses that are needed. Secondly, we can't buy new hardware or software because we don't have a lot of money. We have to use what we already have, like Visual Studio for building the system and SQL for storing data. The system will also be capable of working itself and not having to depend on the Internet for all its needs. It helps us to keep our information safe and easy to access, especially in places where the internet might not work. These rules help us to remain on track and make sure that we are using our resources in a proper manner for the purpose of achieving our objectives.

Goals of the project

Insightful Business Reporting: To give stakeholders valuable information about rent trends, revenue streams and customer behaviour, the system needs to generate detailed management reports. This report should provide for the capability to dive deeper and analyse in depth, empowering decision makers with actionable intelligence.

Efficient Rental Operations: In order to increase operational efficiency and reduce manual errors, automation of key rental processes such as booking, vehicle allocation, checkin and out process, invoicing will be introduced. In order to ensure seamless transactions over the Internet, improve customer convenience and expand market reach, it will be possible to integrate with online platforms for reservations and payments.

Enhanced User Interface and Accessibility: To make it easy for employees and customers to use the system, an intuitive graphical interface that ensures consistency across all modules of the system is developed.