



DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY

SCHOOL OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY.

CMC MOTORS ONLINE CAR DEALERS

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DEDICATION:

This project is dedicated to my best friend, **M. Junior**. Your exceptional engineering skills, continuous support, and unwavering belief in me have been invaluable throughout this journey. Your insights and encouragement have significantly contributed to the success of this project, and for that, I am truly grateful.

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I would like to express my sincere gratitude to all those who contributed to the success of this project.

First, I extend my thanks to **DEDAN KIMATHI UNIVERSITY** for providing the resources and academic environment that allowed me to develop and complete this project.

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Finally, I would like to express my deepest appreciation to my fellow group members: Your collaboration, hard work, and commitment have made this project a rewarding experience. It has been a pleasure working alongside such dedicated and talented individuals.

ABSTRACT:

The **CMC Online Car Dealers System** is an online platform designed to simplify the process of buying and selling vehicles, offering an easy-to-use interface for customers and a reliable inventory management system for dealers. The system allows customers to browse through various vehicle listings, compare options, and make secure payments online. The goal of this project was to create a streamlined, efficient solution that improves the overall car buying experience.

The development of the system followed a **Waterfall methodology**, which allowed for a structured approach to design, implementation, and testing. This method ensured that each phase of the project was completed before moving on to the next, leading to a more organized workflow. A **simple relational database model** was used to store and manage data, including vehicle listings, customer information, and transaction details. This model provided a straightforward approach for handling the core functionality of the system.

Key findings indicate that the system successfully addressed key issues in the car sales process by reducing time spent on manual tasks and improving the efficiency of vehicle searches. The secure payment gateway integrated into the system proved effective in facilitating safe transactions, and initial user feedback highlighted the platform's ease of use and reliability.

In conclusion, the **CMC Online Car Dealers System** provides a practical, secure, and user-friendly solution for both car buyers and dealers, offering an efficient way to manage vehicle listings and process transactions online.