**APPLICATION DESCRIPTION**

The Tools Rental Management System is designed to record and manage the operations of a tool rental business.

* The front end is created using **Microsoft Access**, which provides a friendly platform for users to interact with the data.
* The backend of the application is built on **Oracle SQL Developer 19c** where all the data is processed, managed and stored.

The Tools Rental Application includes following features:

**Customer Data Management with Name History Tracking:** This project is designed to manage customer profiles, including personal details and contact information. A key feature is tracking the history of customer name changes over time. The customer form includes a “View History” button, allowing users to view all name changes along with the corresponding update timestamps. This functionality is automatically maintained when:

* A new customer is added,
* A customer’s name is updated, or
* A customer is deleted.

This comprehensive tracking ensures a clear record of all changes for better customer data management.

**Record rental transactions:** Records each rental, including the tool(s) rented, order date, start date and due date, customer details, and pricing information.

**Manage products:** Record product information with their respective categories and specifications. Users can add, delete, or update products of their choices.

**Track returns:** Keep track of returns of rented tools to ensure they are returned on time with good condition or penalty fee (if damaged).

**Forms:** Sub-forms and forms in Microsoft Access enable users to view and edit detailed data, such as all rental lines associated with a specific rental order.

**Generate reports:** Produces detailed reports on invoice (incase the customers would like to receive a receipt), penalty summary report (includes all the penalties that the customers have been charged due to physical damage of returned tools), tool report (with the hierarchies regarding the categories and which tools belong to more than one categories in the application).