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# BAHRIA UNIVERSITY

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Computer Programming



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# **Inventory Management System Project Report**

## **Introduction**

I designed an Inventory Management System that allows easy tracking and management of inventory. This report presents the objectives of the project, methodology, features, and results.

## **Objectives**

DESIGN and IMPLEMENT an efficient Inventory Management System to handle products, their quantities, and prices.

The system shall have a user-friendly interface so as to allow ease of navigation and manipulation of data.

The system should ensure accuracy, security, and reliability of data.

## **Methodology**

Iterative development with regular testing and the use of feedback was used in building the system. The C++ programming language was used, and the system had a command-line interface. Following the best practice for coding, testing, and documentation.

## **Features**

- Product addition, updating, and deletion
- Quantity and price management
- Product listing and searching
- Easy to use with user-friendly interface

## **Outcomes**

- Fully functional IMS meeting the objectives of the project
- Efficiency and accuracy of inventory improved

- Improved user experience with an intuitive interface; scalable and maintainable codebase for future enhancements.

## **Conclusion**

We delivered a robust inventory management system and developed our skills in software development, problem-solving, and collaboration. This exhibits our commitment to the delivery of quality solutions that serve customer needs.

## **Future Enhancements**

- GUI Implementation
- Adding categorization and filtering of products
- Integration with other business systems (e.g., accounting, sales)
- Better security features against the protection of data