

# Library Management System

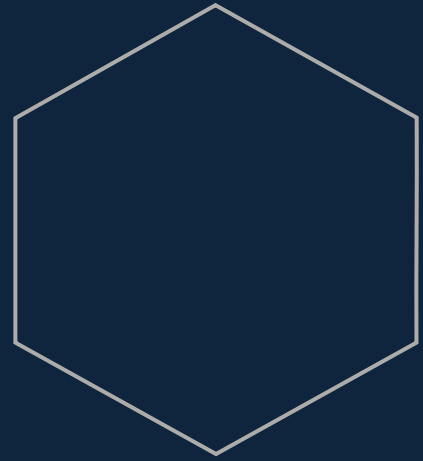
Abdulaziz

Zulqarnain

Haider

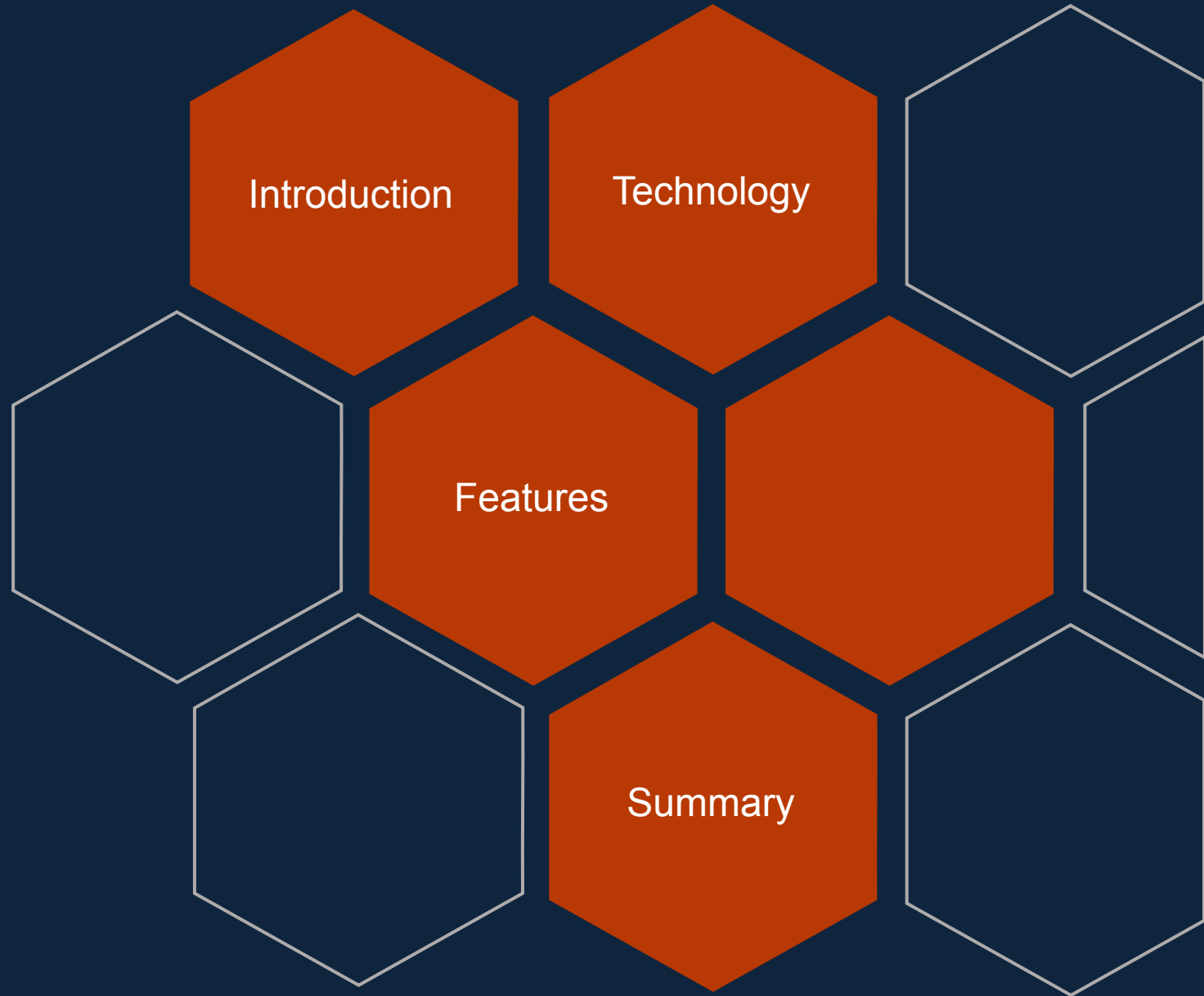
Fahad





# Agenda

Library Management System



# Introduction

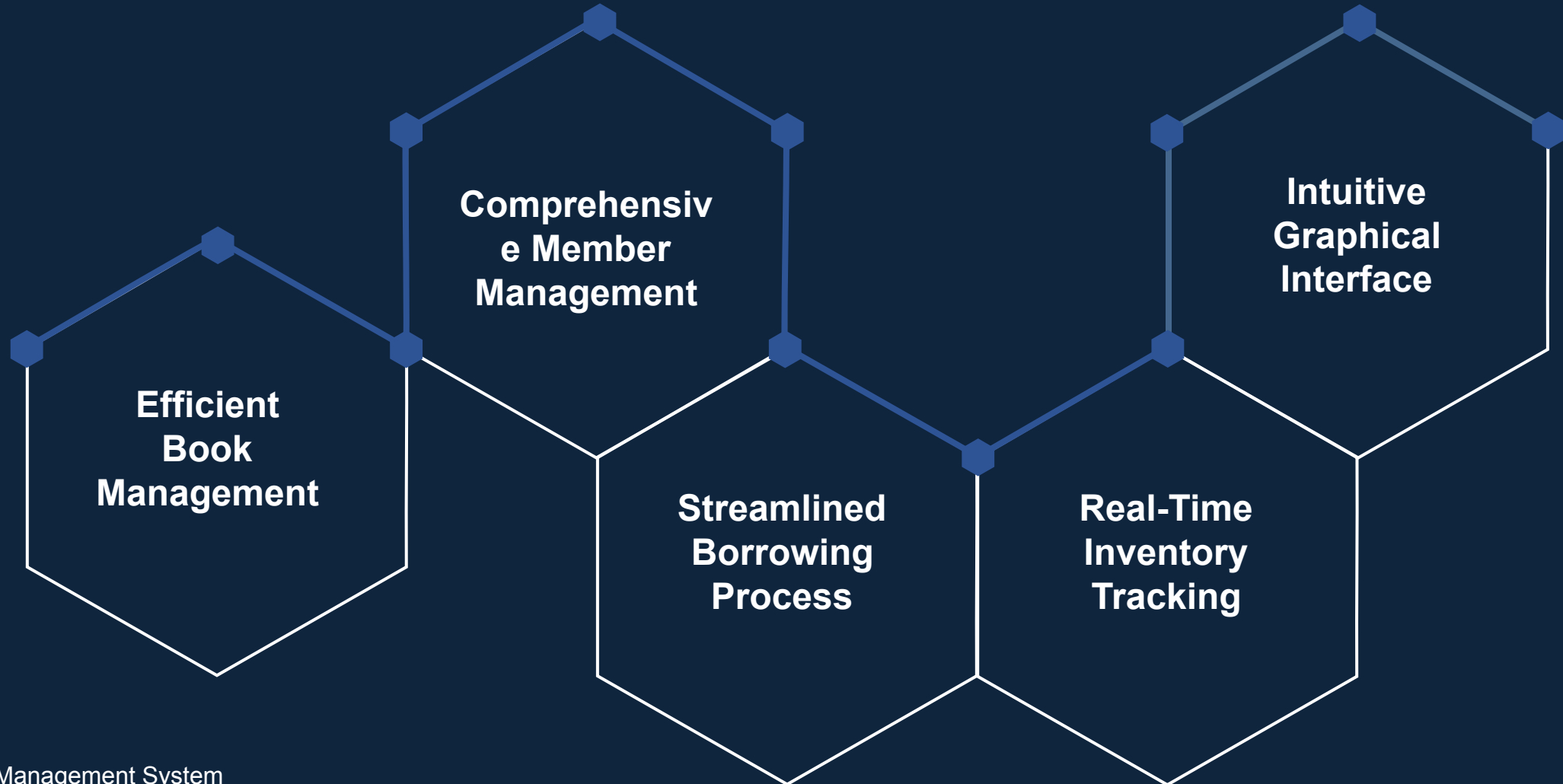
The Library Management System is a comprehensive application developed in C++ with a graphical user interface. This system allows users to perform CRUD (Create, Read, Update, Delete) operations and search functionalities for both books and members. Additionally, it supports borrowing books and viewing current stock levels, making it a robust tool for efficient library management.



# Technology

C++	GUI Library	File Handling	Algorithms and Data Structures
The core programming language used for developing the application, chosen for its performance and system-level capabilities.	Provides the graphical user interface, making the system user-friendly and visually appealing.	Used for data storage and retrieval, ensuring persistence of books and members information.	Essential for efficient CRUD operations and search functionalities, ensuring the system performs optimally even with a large dataset.

# Key Features



# Features



## Comprehensive Book Management

- Easily add, update, delete, and search for books with an intuitive graphical interface.



## Member Management

- Manage library members by performing CRUD operations and searching for member information efficiently.



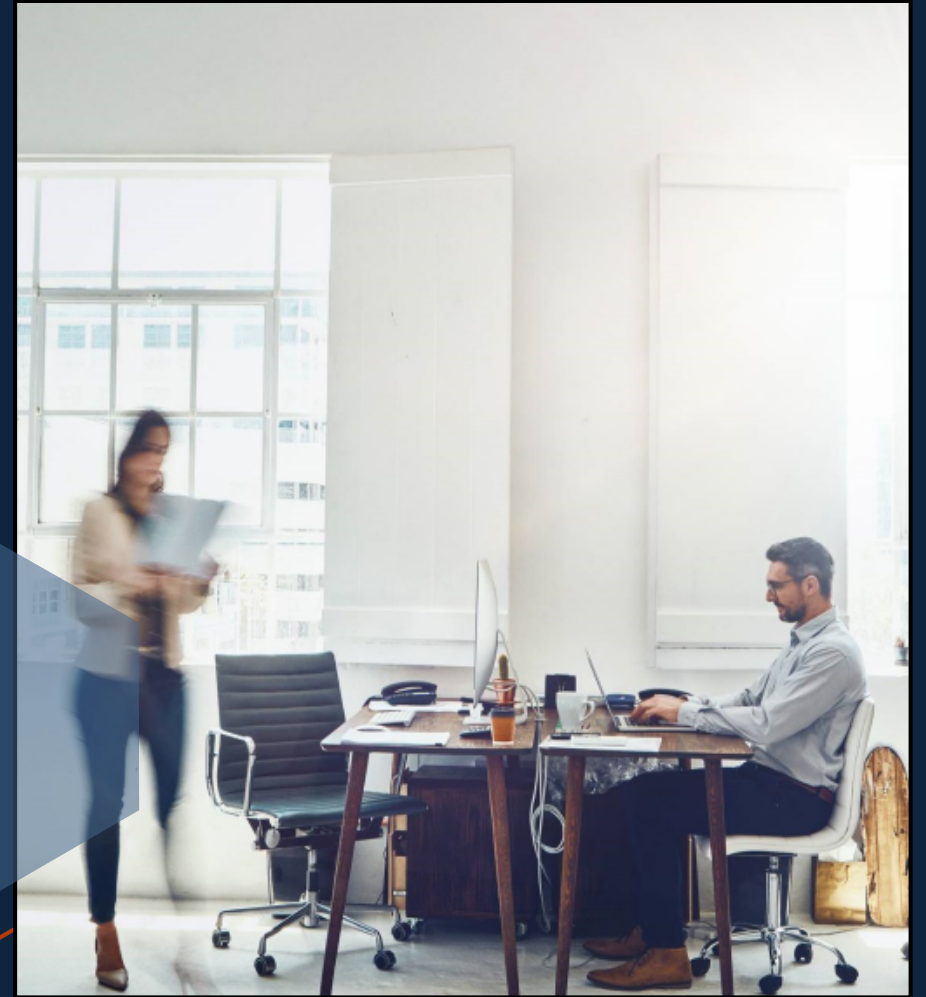
## Borrowing and Inventory Tracking

- Facilitate the borrowing process and keep track of book stock levels in real-time, ensuring smooth library operations.



# Summary

Our Library Management System, developed in C++ with a GUI, efficiently handles book and member management, CRUD operations, search functionalities, borrowing processes, and real-time inventory tracking. The project required significant effort, showcasing that with determination, anyone can create impactful projects. We encourage **classmates** to take on similar challenges for rewarding learning experiences.



# Meet our team



**Abdulaziz**

Programmer



**Zulqarnain**

CEO



**Fahad**

Programmer



**Haider**

Programmer





# Thank you

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