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**RECEP TAYYIP ERDOGAN UNIVERSITY**

**FACULTY OF ENGINEERING AND ARCHITECTURE**

**COMPUTER ENGINEERING DEPARTMENT**

**CE103 Algorithms and Programming-I**

**2023-2024 Fall**

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**RIZE**

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**ETHICAL STATEMENT**

I hereby declare that all information in this document has been obtained and presented in accordance with academic rules and ethical conduct. I also declare that, as required by these rules and conduct, I have fully cited and referenced all material and results that are not original to this work.

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The library search tool, developed in C#, empowers users to effortlessly explore the library catalog for books, movies, and music, conducting searches based on titles. The application utilizes C#'s file handling capabilities to neatly store user profiles, catalog data, reservations, event schedules, and library locations in binary files.

Through the user-friendly C# application interface, users can easily reserve library items and renew borrowed ones. The system is thoughtfully designed to provide patrons with a seamless experience, ensuring effortless interaction with library resources.

Navigation within the C# application is user-friendly.

In summary, this C# library search tool simplifies the process of finding and managing library resources.